

Incident ID	nAPP2200428221
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 4/21/2023
email: dale.woodall@dnv.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 04/25/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Robert Hamlet Date: 9/13/2023

Incident ID	nAPP2200428221
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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><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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.

State of New Mexico
Oil Conservation Division

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Printed Name: Dale Woodall Title: Env. Professional
Signature: *Dale Woodall* Date: 4/21/2023
email: dale.woodaall@dm.com Telephone: 575-748-1838

OCD Only

Received by: Joceyn Harimon Date: 04/25/2023

Incident ID	nAPP2200428221
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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.

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Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 4/21/2023
email: dale.woodall@dn.com Telephone: 575-748-1838

OCD Only

Received by: Jocelyn Harimon Date: 04/25/2023

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

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Closure

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

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

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

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 4/21/2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Souder, Miller & Associates ♦ 201 S. Halagueno St. ♦ Carlsbad, NM 88220
(575) 689-8801

April 13, 2023

#5E31003-BG2

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

SUBJECT: Closure Report with Request for Deferral for the Tomb Raider 1 12 Federal #062H Release (nAPP2200428221), Eddy County, New Mexico

1.0 Introduction

On behalf of Devon Energy Production Company (Devon), Souder, Miller & Associates (SMA) has prepared this Closure Report with Request for Deferral that describes the remediation of a produced water release related to oil and gas production activities at the Tomb Raider 1 12 Federal #062H Release (nAPP2200428221). The release site is located in Unit C, Section 1, Township 23S, Range 31E, Eddy County, New Mexico, on public land administered by the Bureau of Land Management. Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

Table 1: Release Information and Closure Criteria			
Name	Tomb Raider 1 12 Federal #062H	Company	Devon Energy Production Company
API Number	N/A	Location	32.340202, -103.735651
Incident Number	nAPP2200428221	Land Status	Federal (BLM)
Date of Release	January 4, 2022		
Source of Release	Compromised flowline		
Released Volume	36 barrels (bbls) Produced Water	Recovered Volume	0 bbls Produced Water
NMOCD Closure Criteria	Depth to groundwater <50 feet bgs		

2.0 Background

On January 4, 2022, a produced water release was discovered at the Tomb Raider 1 12 Federal #062H site. Initial response activities were conducted by Devon, and included source elimination and site security, containment, and site stabilization activities. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. A copy of the notification of release is included in Appendix A.

3.0 Site Information and Closure Criteria

The Tomb Raider 1 12 Federal #062H site is located approximately 21 miles northeast of Loving, New Mexico, on Federal (BLM) land at an elevation of approximately 3,457 feet above mean sea level (amsl).

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the United State Geological Society (USGS) National Water Information System did not yield any results within a ½ mile of the site (Appendix B). Thus, depth to groundwater is considered to be less than 50 feet below grade surface (bgs) for the Closure Criteria determination.

Tomb Raider 1 12 Federal #062H Closure Report April 13, 2023

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Wellhead Protection Area

There are no known water sources within a ½ mile of the location, according to the NMOSE NMWRRS and USGS National Water Information System. Registered wells in the vicinity are shown in Figure 1.

Distance to Nearest Significant Watercourse

No significant watercourses are within ½ mile of the location, as illustrated in Figures 1 and 2.

Closure Criteria Determination

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii, indicating that the site does not lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC.

Based on the information presented herein, this site's applicable NMOCD Closure Criteria is set to the standards for depth to groundwater less than 50 feet bgs.

4.0 Release Characterization and Remediation Activities

On March 23, 2022, SMA personnel performed initial site delineation sampling, with additional delineation activities performed on May 26 and June 9, 2022.

A total of 48 soil borings (SB-01 through SB-21 and BH-22 through BH-48) were advanced in and around the visibly stained area using a hand auger to depths ranging from 0.5 to 7 feet bgs. Additionally, one soil boring was advanced to collect background samples in an undisturbed location off the well pad. A total of 116 delineation samples were collected from the release area per the sampling protocol included in Appendix C. Seventeen of the delineation soil borings provided delineation of a historical release (nAB1816327517) of oil and natural gas on the same location; based on a review of the historical release; remediation has yet to be conducted. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. Soil boring locations are illustrated in Figure 3, field screening results are summarized in Table 3, and field notes and a photographic log are included in Appendix D.

All samples were submitted for laboratory analysis, including total chloride using the United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene, and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel, and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Laboratory analytical results are summarized in Table 3, and laboratory reports are included in Appendix E.

Excavation activities were performed by a 3rd party contractor with SMA oversight. Excavation activities lasted approximately one month. The remediation area was excavated by backhoe scraping in more open areas and hydrovacing near pipelines and machinery. The impacted soil was moved directly from the excavation by the backhoe to a dump truck for removal from the site. The final remediation excavation at the most significant dimension measured approximately 290 feet by 187 feet with a maximum depth of 1 foot.

SMA personnel performed closure confirmation sampling on September 12, 23, 26, 29, and 30, and October 6, 2022. A total of 203 closure confirmation samples were collected and submitted for laboratory analysis. Excavation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix D. The confirmation samples were analyzed for chloride, BTEX,

Tomb Raider 1 12 Federal #062H Closure Report
April 13, 2023

Page 3 of 4

and TPH in the same manner as described above for the initial release assessment samples. Confirmation sample locations are illustrated in Figures 4a and 4b.

Laboratory analytical results report benzene, total BTEX, and total TPH concentrations below laboratory reporting limits (RLs) which are below the NMOCD Closure Criteria except for two sample areas including CS15 and SC-129 R. Additional excavation in these areas was not possible due to a short excavation timeline prior to installation of a drill rig.

Excavated soils were transported to an NMOCD-permitted surface waste facility for remediation/disposal. The excavation was backfilled with clean, imported material and graded to match the surrounding area. Excavation extents and closure confirmation sample locations are depicted in Figure 3. A photo log is included in Appendix C. Confirmation laboratory results are summarized in Table 4. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 4, all closure confirmation samples meet NMOCD Closure Criteria except for two sample areas (CS15 and SC-129 R), in which Devon requests deferral of remedial activities pursuant to 19.15.29.12.C.2 NMAC. Photographs 5, 8-12, 14, 22, and 23 in the Photographic Log in Appendix C show the machinery, production equipment, and overhead powerlines within the nonexcavated areas for which deferral is being requested. Additionally, areas directly under production equipment within the release footprint may contain residual impacted material. Further remedial excavation was not possible in these areas due to the proximity of production equipment. The area requested for deferral measures approximately 13,648 square feet with a depth of up to 1 foot bgs, equating to approximately 505 cubic yards in situ volume. Figures 4a and 4b show the extent of impacted soils requested for deferral.

For Incident Number nAB1816327517, SMA recommends excavation and removal of contaminated soil for treatment/disposal at an NMOCD-permitted surface waste facility.

SMA recommends no further action and requests deferral of remediation of the residual impacted material of Incident Number nAPP2208340802.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation guidance; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Sarahmay Schlea at (330) 958-5689.

Submitted by:
SOUDER, MILLER & ASSOCIATES



Sarahmay Schlea
Staff Scientist

Reviewed by:



Stephanie Hinds, P.E.
Project Engineer

Tomb Raider 1 12 Federal #062H Closure Report
April 13, 2023

Page 4 of 4

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database
https://gis.ose.state.nm.us/gisapps/ose_pod_locations/

USGS National Water Information System: Web Interface online water well database
https://nwis.waterdata.usgs.gov/nwis/gwlevels?site_no=321205103544701&agency_cd=USGS&format=html

ATTACHMENTS:

Figures:

Figure 1: Topographic Site Map

Figure 2: Aerial Site Map

Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria

Table 3: Summary of Initial Release Assessment Field Screening and Laboratory Analytical Results

Table 4: Summary of Excavation Confirmation Laboratory Analytical Results

Appendices:

Appendix A: Correspondence

Appendix B: Water Well Data

Appendix C: Field Notes and Photograph Log

Appendix D: Sampling Protocol

Appendix E: Laboratory Analytical Reports

FIGURES

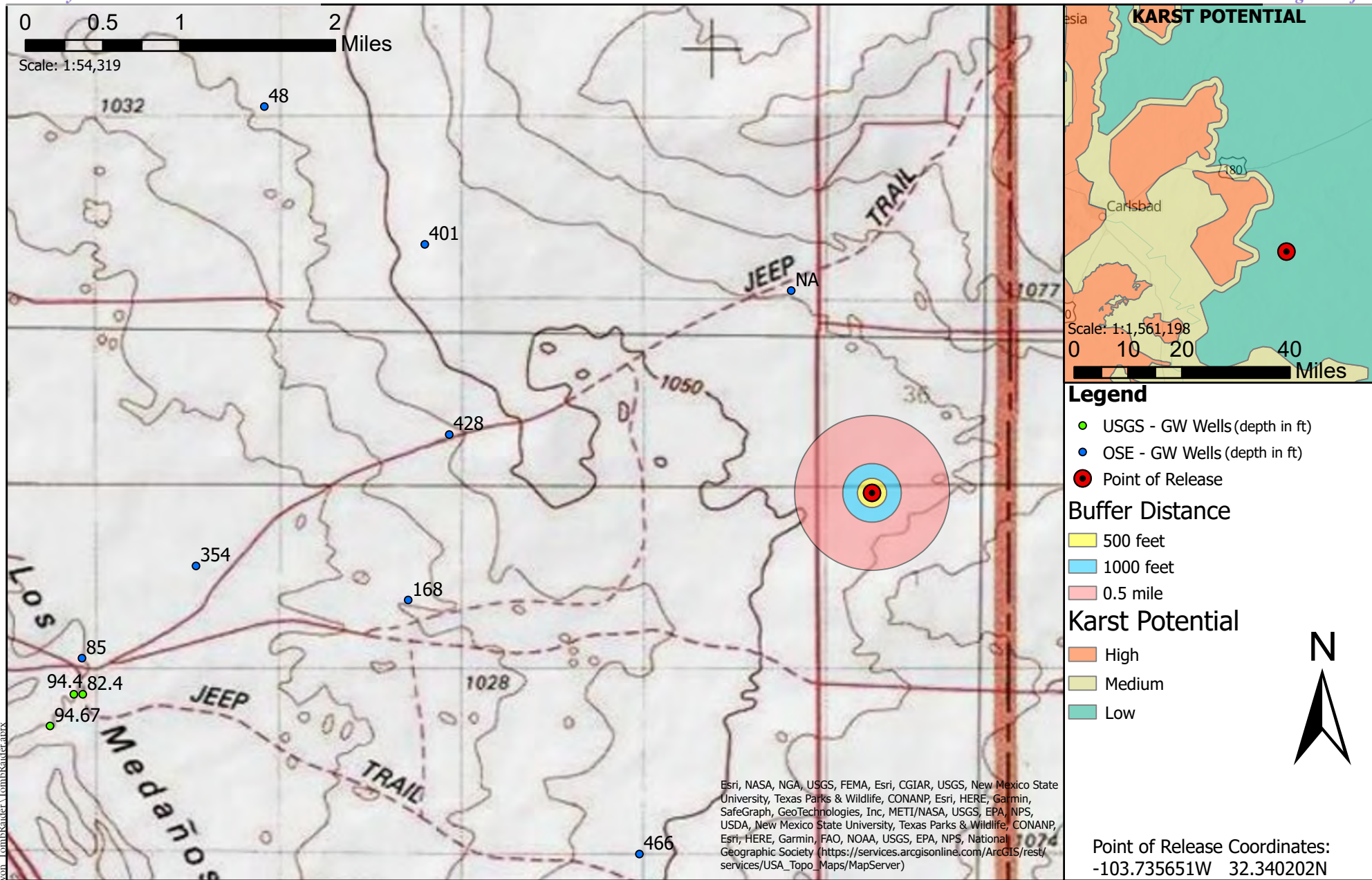


Figure 1

Revisions

By:	Date:	Descr:
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

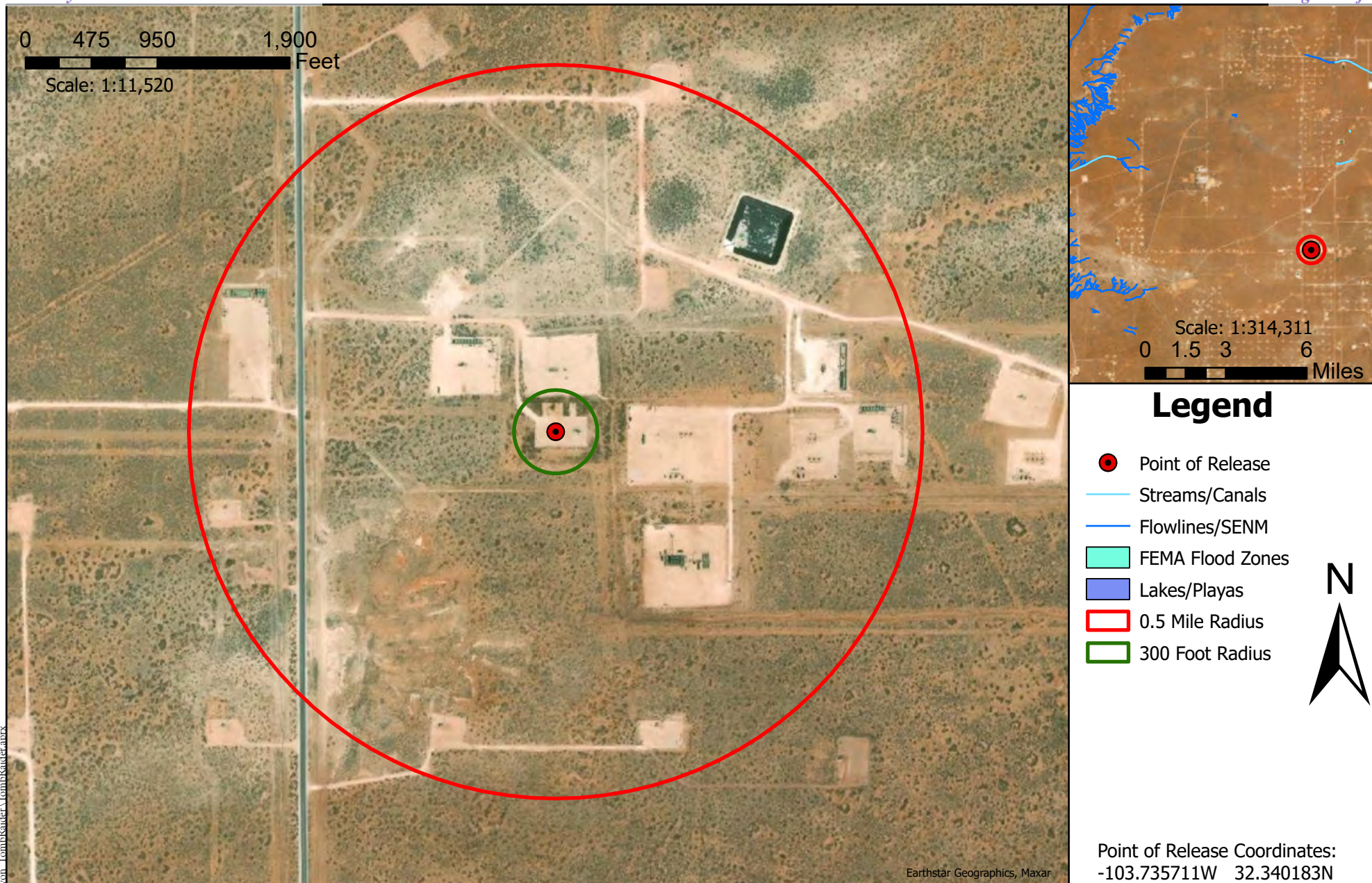
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Drawn
Date
Checked
Approved

Sarahmay Schlea
10/11/2022



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Aerial Site Map

Tomb Raider 1-12 Federal 62H - Devon Energy Production Company

UL: C S: 1 T: 23S R: 31E, Eddy County, New Mexico

Figure 2

Revisions

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By: _____ Date: _____ Descr: _____

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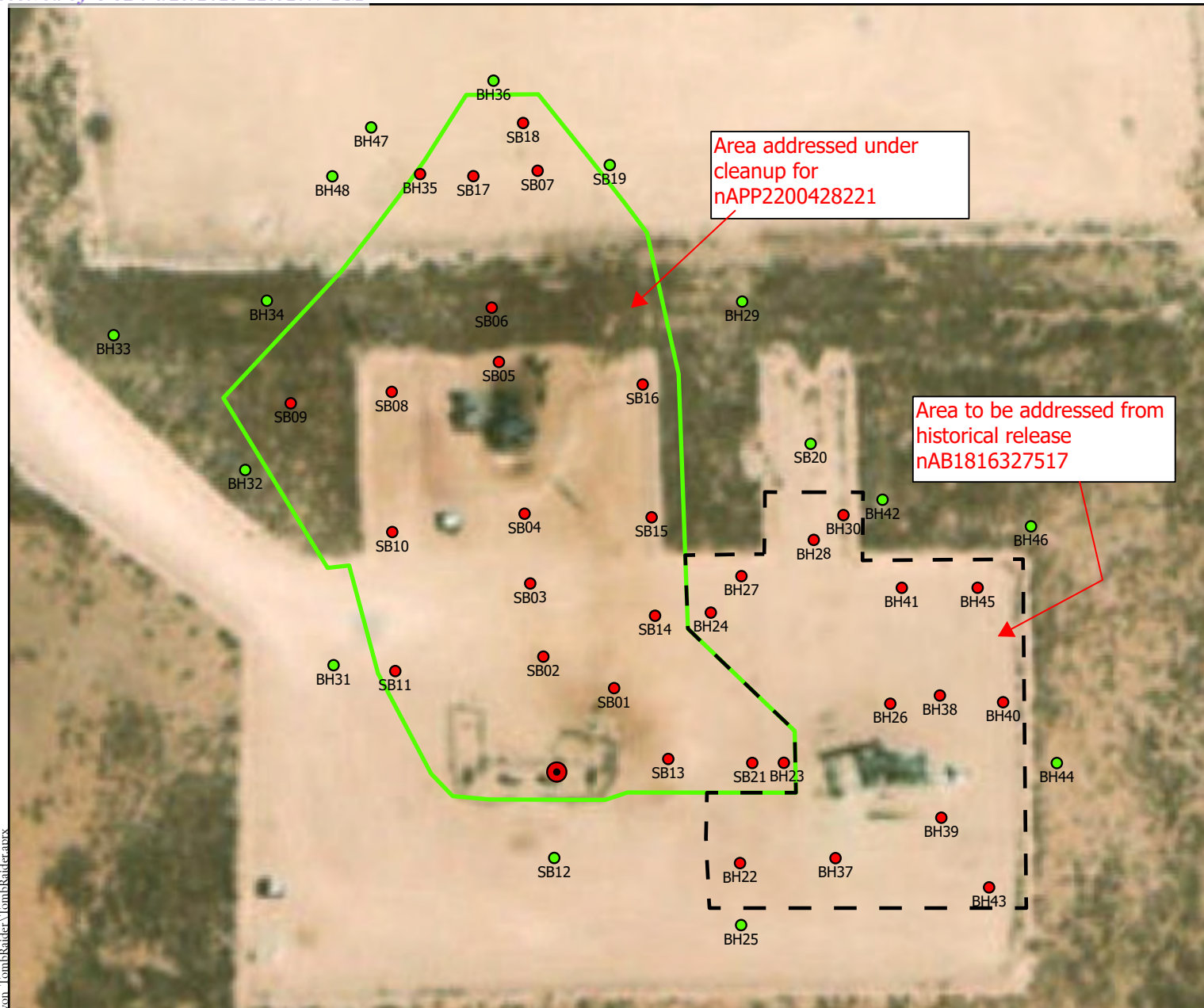
Sarahmay Schlea

4/13/2023



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Legend

- Point of Release
- Historical Release

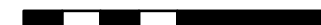
 Remediation Area

Boreholes

- Meets Closure Criteria
- Exceeds Closure Criteria



0 25 50 100



Feet

Scale: 1:750

Point of Release Coordinates:
-103.735651W 32.340202N

Site Characterization Map

Tomb Raider 1-12 Federal 62H - Devon Energy Production Company

UL: C S: 1 T: 23S R: 31E, Eddy County, New Mexico

Figure 3

Revisions

By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____

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Date
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Approved

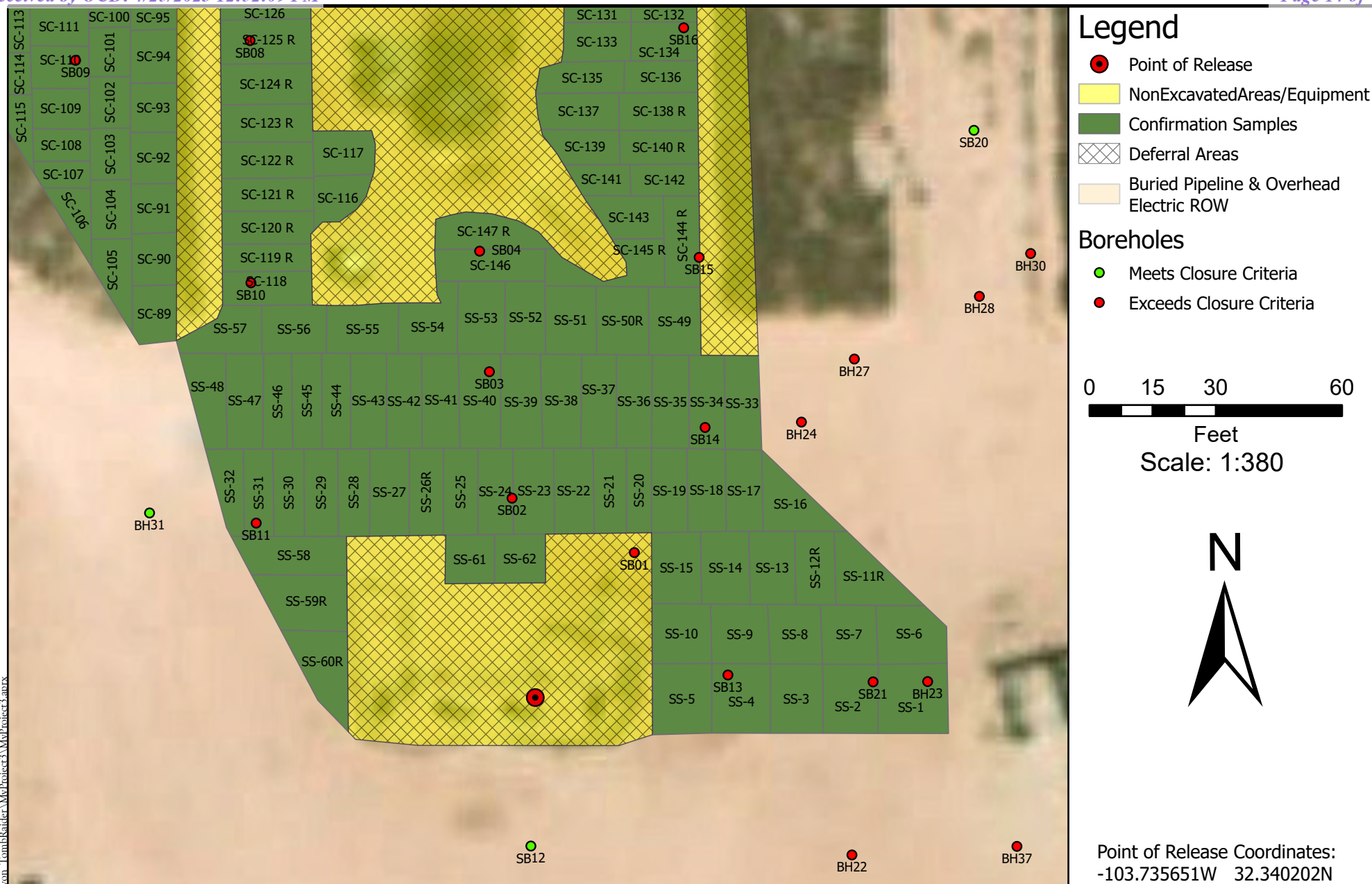
Sarahmay Schlea

1/23/2023



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Excavation Confirmation Sample Location Map
Tomb Raider 1-12 Federal 62H - Devon Energy Production Company
UL: C S: 1 T: 23S R: 31E, Eddy County, New Mexico

Figure 4a

Revisions

By: _____ Date: _____ Descr: _____

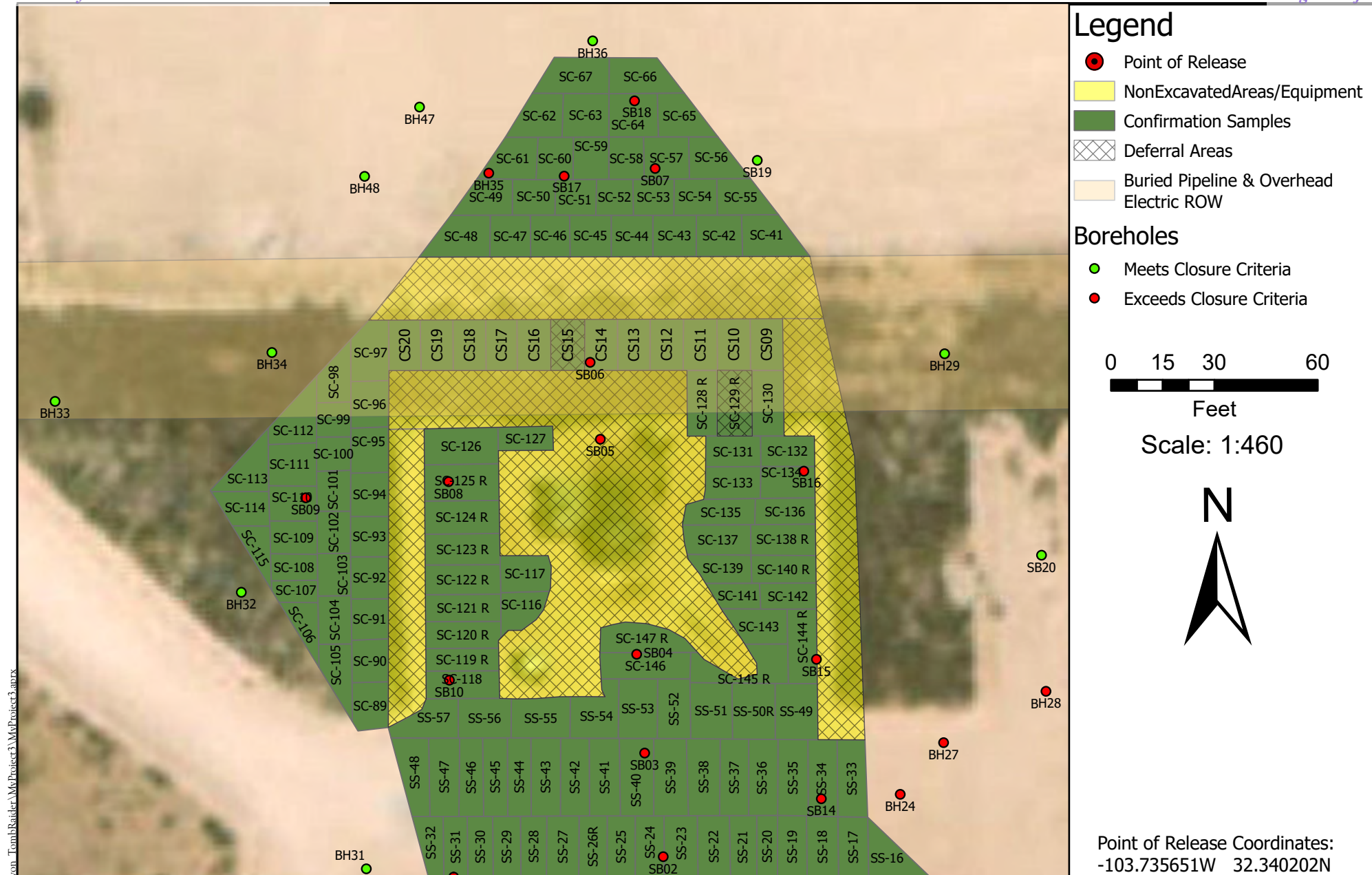
By: _____ Date: _____ Descr: _____

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Drawn	<u>Sarahmay Schlea</u>
Date	<u>3/3/2023</u>
Checked	<u> </u>
Approved	<u> </u>



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Excavation Confirmation Sample Location Map
Tomb Raider 1-12 Federal 62H - Devon Energy Production Company
UL: C S: 1 T: 23S R: 31E, Eddy County, New Mexico

Figure 4b

Revisions

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3/3/2023



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TABLES

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes				
Depth to Groundwater (feet bgs)	<50	United States Geological Survey New Mexico Office of the State Engineer United States Geological Survey Topo Map				
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA					
Hortizontal Distance to Nearest Significant Watercourse (ft)	26,550					

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	x	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water	yes or no	if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?	No					
within area overlying a subsurface mine	No					
within an unstable area?	No					
within a 100-year floodplain?	No					

Table 3:
Summary of Release Characterization Field Screening
and Laboratory Analytical Results

Devon Energy Production Company
Tomb Raider 1 12 Federal #62H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	EC	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
BG (Background)	3/23/2022	0	0.7	0.25	--	--	--	--	--	--	<20.0
		1	0.4	0.23	--	--	--	--	--	--	<20.0
		2	0.2	0.24	--	--	--	--	--	--	<20.0
		3	0.1	0.24	--	--	--	--	--	--	<20.0
		4	0.1	0.25	--	--	--	--	--	--	<20.0
SB-01	3/23/2022	0	5.9	11.09	0.852	<0.0250	27.5	3,630	1,090	4,748	20,200
		2	15.6	0.33	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	2.3	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	35.6
		6	4.1	0.28	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.2
		7	0.3	0.31	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	60.7
SB-02	3/23/2022	0	4.7	5.81	<0.100	<0.0250	<20.0	8,030	4,470	12,500	10,600
		2	1.7	0.32	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.3
		4	1.0	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	22.3
		6	0.3	0.27	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	24.8
		7	0.6	0.27	0.029	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-03	3/23/2022	0	1.5	0.85	<0.100	<0.0250	<20.0	659	189	848	714
		2	0.5	0.30	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.8
		4	0.9	0.28	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6	1.0	0.34	<0.100	<0.0250	<20.0	48.4	<50.0	48.4	60.8
SB-04	3/23/2022	0	0.0	1.40	<0.100	<0.0250	<20.0	1,680	947	2,627	1,980
		2	0.3	0.49	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	158
		4	0.2	0.39	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	95.1
		6	0.1	0.36	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	75.8
		7	0.3	0.36	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	78.7
SB-05	3/23/2022	0	0.3	1.00	<0.100	<0.0250	<20.0	2,080	4,830	6,910	1,190
		2	0.7	0.33	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	42.8
		4	0.7	0.27	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6	0.4	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		7	0.5	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-06	3/23/2022	0	0.2	0.35	<0.100	<0.0250	<20.0	153	230	383	186
		2	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.6	0.33	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	27.0
		6	0.2	0.33	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	30.8
SB-07	3/23/2022	0	0.3	0.63	<0.100	<0.0250	<20.0	449	183	632	651
		2	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		6	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-08	3/23/2022	0	0.4	1.33	<0.100	<0.0250	<20.0	1,440	1,120	2,560	1,720
		2	0.3	0.24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.1	0.24	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-09	3/23/2022	0	0.2	0.43	<0.100	<0.0250	<20.0	217	161	378	316
		2	0.2	0.29	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.3	0.27	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-10	3/23/2022	0	0.3	0.58	<0.100	<0.0250	<20.0	244	189	433	611
		2	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.2	0.25	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-11	3/23/2022	0	0.0	1.29	<0.100	<0.0250	<20.0	55.2	58.8	114	1,380
		2	0.4	0.28	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	0.2	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-12	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	438
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-13	3/23/2022	0	--	--	3.580	<0.0250	65.0	7,380	20,900	28,345	21,000
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	255
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.2
		6	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-14	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	529	510	1,039	4,480
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	32.4
SB-15	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	461	357	818	807
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0

Table 3:
Summary of Release Characterization Field Screening
and Laboratory Analytical Results

Devon Energy Production Company
Tomb Raider 1 12 Federal #62H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Field Screening		Method 8021B		Method 8015D				Method 300.0
			VOCs by PID	EC	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			ppm	mS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria					50	10	--	--	--	100	600
SB-16	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	57.9	50.8	109	171
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-17	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	657	506	1,163	350
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-18	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	520	425	945	351
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-19	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	91.4	<50.0	91.4	139
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-20	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.7
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SB-21	3/23/2022	0	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	4,330
		2	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	72.7
		4	--	--	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-22	5/26/2022	0	0.5	5.29	<0.100	<0.0250	<20.0	134	274	408	9,870
		8"	1.3	0.58	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	530
BH-23	5/26/2022	0	0.8	1.01	<0.100	<0.0250	<20.0	845	762	1,607	1,040
		8"	1.6	0.59	<0.100	<0.0250	<20.0	28.4	<50.0	28.4	167
BH-24	5/26/2022	0	0.4	2.60	<0.100	<0.0250	<20.0	229	467	696	1,280
		1	2.2	0.16	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	39.0
BH-25	5/26/2022	0	0.3	0.56	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	517
BH-26	5/26/2022	0	0.3	0.40	<0.100	<0.0250	<20.0	91.2	177	268	449
BH-27	5/26/2022	0	0.3	1.93	<0.100	<0.0250	<20.0	45.3	67.9	113	2,240
BH-28	5/26/2022	0	0.3	1.17	<0.100	<0.0250	<20.0	49.6	95.4	145	786
BH-29	5/26/2022	0	0.2	0.19	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	74.7
BH-30	5/26/2022	0	0.7	0.41	<0.100	<0.0250	<20.0	43.1	79.5	123	352
BH-31	5/26/2022	0	0.1	0.37	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	333
		8"	0.7	0.08	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-32	5/26/2022	0	0.6	0.12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.4
		1	1.2	0.03	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-33	5/26/2022	0	0.8	0.09	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	35.5
		1	2.6	0.04	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-34	5/26/2022	0	0.8	0.12	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	66.3
		1	1.8	0.03	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-35	5/26/2022	0	0.9	0.30	<0.100	<0.0250	<20.0	142	81.8	224	313
		1	1.0	0.05	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-36	5/26/2022	0	0.8	0.26	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	109
		1	1.6	0.06	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-37	6/9/2022	0	1.4	0.69	<0.100	<0.0250	<20.0	104	347	451	649
BH-38	6/9/2022	0	0.7	2.18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	3,150
BH-39	6/9/2022	0	0.9	2.26	<0.100	<0.0250	<20.0	28.5	<50.0	28.5	1,180
BH-40	6/9/2022	0	1.2	1.18	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,360
BH-41	6/9/2022	0	0.9	0.86	<0.100	<0.0250	<20.0	26.8	51.1	77.9	1,020
BH-42	6/9/2022	0	1.7	0.11	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	39.2
BH-43	6/9/2022	0	1.4	0.73	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	786
BH-44	6/9/2022	0	1.9	0.06	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-45	6/9/2022	0	1.8	4.89	<0.100	<0.0250	<20.0	27.3	<50.0	27.3	5,670
BH-46	6/9/2022	0	2.2	0.09	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BH-47	6/9/2022	0	1.3	0.15	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	92.0
BH-48	6/9/2022	0	1.4	0.13	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	73.6

DRO - diesel range organics

MRO - motor oil range organics

TPH - total petroleum hydrocarbons

bgs - below grade surface

mg/kg - milligrams per kilogram

"-" = Not Analyzed

BG - background sample

SB - soil boring

BH - borehole sample

Table 4: Summary of Excavation Confirmation
Laboratory Analytical ResultsDevon Energy Production Company
Tomb Raider 1 12 Federal #062H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
Excavation Confirmation Samples									
CS09	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	46.7
CS10	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS11	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS12	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS13	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	31.9	65.6	97.5	20.8
CS14	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	30.1	59.7	89.8	<20.0
CS15	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	42.3	64.9	107	<20.0
CS16	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS17	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS18	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS19	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CS20	9/12/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-41	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-42	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-43	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-44	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-45	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-46	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-47	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-48	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-49	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-50	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-51	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-52	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-53	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-54	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-55	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-56	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-57	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-58	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-59	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-60	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-61	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-62	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	20.7
SC-63	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-64	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-65	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	20.4
SC-66	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	21.4
SC-67	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	22.3
SC-89	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.1
SC-90	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	29.9
SC-91	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	54.9
SC-92	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	58.7
SC-93	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	58.4
SC-94	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	88.7
SC-95	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.5
SC-96	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	45.7
SC-97	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-98	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-99	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	56.0

Table 4: Summary of Excavation Confirmation
Laboratory Analytical ResultsDevon Energy Production Company
Tomb Raider 1 12 Federal #062H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
SC-100	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	46.7
SC-101	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-102	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-103	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.3
SC-104	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	33.2
SC-105	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	29.0
SC-106	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-107	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-108	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	30.6
SC-109	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.5
SC-110	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-111	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	21.1
SC-112	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.8
SC-113	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	27.1
SC-114	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-115	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	20.1
SC-116	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	25.0	<50.0	25.0	143
SC-117	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-118	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	61.6	<50.0	61.6	248
SC-119 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	44.2
SC-120 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	67.2
SC-121 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	31.5
SC-122 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	33.5
SC-123 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	32.2	<50.0	32.2	21.6
SC-124 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-125 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-126	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	28.8	<50.0	28.8	24.3
SC-127	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.4
SC-128 R2	10/6/2022	0.5 to 0.75	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	80
SC-129 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	31.8	71.7	104	88.3
SC-130	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	375
SC-131	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	355
SC-132	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	341
SC-133	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	29.6	<50.0	29.6	352
SC-134	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	25.2	<50.0	25.2	284
SC-135	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	228
SC-136	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	27.6	<50.0	27.6	225
SC-137	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	154
SC-138 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	46.8
SC-139	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	380
SC-140 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SC-141	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	73.7
SC-142	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	302
SC-143	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	315
SC-144 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	115
SC-145 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	26.4	<50.0	26.4	125
SC-146	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	476
SC-147 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SS-1	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	232
SS-2	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	530
SS-3	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	592

Table 4: Summary of Excavation Confirmation
Laboratory Analytical ResultsDevon Energy Production Company
Tomb Raider 1 12 Federal #062H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
SS-4	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	304
SS-5	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	414
SS-6	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	386
SS-7	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	353
SS-8	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	427
SS-9	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	341
SS-10	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	400
SS-11 R	10/6/2022	0.75 to 1	--	--	--	--	--	--	32
SS-12 R	10/6/2022	0.75 to 1	<0.300	<0.050	<10.0	14.3	<10.0	14.3	16
SS-13	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	254
SS-14	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	103
SS-15	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	225
SS-16	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	112
SS-17	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	34.4	<50.0	34.4	24.0
SS-18	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	95.6
SS-19	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SS-20	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	88.5
SS-21	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SS-22	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	76.2
SS-23	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	94.1
SS-24	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
SS-25	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	99.9
SS-26 R	10/6/2022	0.75 to 1	<0.300	<0.050	<10.0	15.7	<10.0	15.7	32.0
SS-27	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.6
SS-28	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	36.6
SS-29	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	24.9
SS-30	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.8
SS-31	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	53.0	<50.0	53.0	269
SS-32	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	39.9
SS-33	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	137
SS-34	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	427
SS-35	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	588
SS-36	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	201
SS-37	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	226
SS-38	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	190
SS-39	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	66.2
SS-40	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	71.8
SS-41	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	153
SS-42	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	135
SS-43	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	40.0
SS-44	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	53.2
SS-45	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	75.6
SS-46	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	83.3
SS-47	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	43.6
SS-48	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	120
SS-49	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	34.0
SS-50 R	10/6/2022	0.75 to 1	<0.300	<0.050	<10.0	<10.0	<10.0	<30.0	224
SS-51	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	366
SS-52	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	176
SS-53	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	70.0
SS-54	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	109

Table 4: Summary of Excavation Confirmation
Laboratory Analytical ResultsDevon Energy Production Company
Tomb Raider 1 12 Federal #062H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
SS-55	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	41.9
SS-56	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	50.6
SS-57	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	122
SS-58	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	147
SS-59	10/6/2022	0.75 to 1	--	--	--	--	--	--	416
SS-60	10/6/2022	0.75 to 1	--	--	--	--	--	--	240
SS-61	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	38.8
SS-62	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	204
Samples Removed by Excavation									
CS01	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	57.2	53.8	111	676
CS02	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	5,850
CS03	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	52.4	<50.0	52.4	5,060
CS04	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	133	109	242	7,110
CS05	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	206	173	379	3,220
CS06	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	186	163	349	1,220
CS07	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	105	94.0	199	8,500
CS08	9/12/2022	0.25 to 0.5	<0.100	<0.0250	<20.0	47.4	50.3	97.7	2,400
SC-68	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	125	81.9	207	468
SC-69	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	269	201	470	613
SC-70	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	178	131	309	565
SC-71	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	177	132	309	506
SC-72	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	88.7	80.7	169	365
SC-73	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	44.5	<50.0	44.5	188
SC-74	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	45.8	<50.0	45.8	2,060
SC-75	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	44.7	<50.0	44.7	2,250
SC-76	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	37.4	<50.0	37.4	317
SC-77	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	143	110	253	635
SC-78	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	117	88.2	205	532
SC-79	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	91.5	72.7	164	318
SC-80	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	71.9	56.1	128	53.4
SC-81	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	336	291	627	675
SC-82	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	198	167	365	647
SC-83	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	28.9	<50.0	28.9	202
SC-84	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	158	121	279	115
SC-85	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	192	139	331	519
SC-86	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	311	323	634	381
SC-87	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	90.9	96.7	188	41.0
SC-88	9/23/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	57.3	57.0	114	32.0
SC-119	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	75.7	72.4	148	198
SC-120	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	134	143	277	113
SC-121	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	116	104	220	101
SC-122	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	67.5	64.0	132	85.4
SC-123	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	124	325	449	238
SC-124	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	35.2	105	140	82.5
SC-125	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	44.9	81.1	126	214
SC-128	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	158	547	705	262
SC-128 R	9/30/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	27.0	56.5	83.5	<20.0
SC-129	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	36.8	109	146	23.5
SC-138	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	72.2	75.6	148	363
SC-140	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	29.1	<50.0	29.1	811
SC-144	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	629

Table 4: Summary of Excavation Confirmation
Laboratory Analytical ResultsDevon Energy Production Company
Tomb Raider 1 12 Federal #062H

Sample ID	Sample Date	Depth of Sample (feet bgs)	Method 8021B		Method 8015D				Method 300.0
			BTEX	Benzene	GRO	DRO	MRO	Total TPH	Chloride
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria			50	10	--	--	--	100	600
SC-145	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	941
SC-147	9/26/2022	0.5 to 0.75	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	587
SS-11	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	625
SS-12	9/29/2022	0.75 to 1	<0.100	<0.0250	<20.0	58.3	91.6	150	224
SS-26	9/30/2022	0.75 to 1	10.98	0.1360	180	<25.0	<50.0	180	46.0
SS-50	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	203	160	363	512
SS-59	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	604
SS-60	9/30/2022	0.75 to 1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	715

Notes: NMOCD - New Mexico Oil Conservation Division
bgs - below grade surface
BTEX - benzene, ethylbenzene, toluene, and xylenes
GRO - gasoline range organics
DRO - diesel range organics
MRO - motor oil range organics
TPH - total petroleum hydrocarbon
mg/kg - milligram per kilogram
SS, SC, and CS were sample names to keep track of sample locations, letters have no special meaning

APPENDIX A

CORRESPONDENCE

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# (if applicable)

Unit Letter	Section	Township	Range	County

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, 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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: _____	Title: _____
Signature: <u>Kendra DeHoyos</u>	Date: _____
email: _____	Telephone: _____
<u>OCD Only</u>	
Received by: <u>Ramona Marcus</u>	Date: <u>01/31/2022</u>

NAPP2200428221

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
Contaminated Soil measurement		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>457</u>	<u>264.000</u>	<u>0.010</u>
Cubic Feet of Soil Impacted		<u>1206.480</u>
Barrels of Soil Impacted		<u>215.06</u>
Soil Type		<u>Clay/Sand</u>
Barrels of Oil Assuming 100% Saturation		<u>32.26</u>
Saturation	<u>Fluid present with shovel/backhoe</u>	
Estimated Barrels of Oil Released		<u>32.26</u>
Free Standing Fluid Only		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>20</u>	<u>50.000</u>	<u>0.021</u>
Standing fluid		<u>3.735</u>
Total fluids spilled		<u>35.994</u>

Incident ID	nAPP2200428221
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2200428221
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: *Dale Woodall* Date: 4/21/2023
email: dale.woodaall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2200428221
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 4/21/2023
email: dale.woodall@dnr.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2200428221
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Dale Woodall Title: Env. Professional
Signature: Dale Woodall Date: 4/21/2023
email: dale.woodall@dvn.com Telephone: 575-748-1838

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 74707

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 74707
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	The submitted C-141 is accepted with the following condition(s): The lateral and longitudinal information does not match the ULSTR regarding the release location. Please correct the conflicting information and report back to OCD. The latitude and longitude information on the C-141 resulted in the following ULSTR: B (Lot2)-01-23S-31E.	1/31/2022

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

QUESTIONS

Action 70074

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 70074
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Location of Release Source	
<i>Please answer all of the questions in this group.</i>	
Site Name	TOMB RAIDER 1 12 FEDERAL #062H
Date Release Discovered	01/03/2022
Surface Owner	Federal

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

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Other (Specify) Crude Oil Released: 8 BBL Recovered: 0 BBL Lost: 8 BBL]
Produced Water Released (bbls) Details	Cause: Equipment Failure Other (Specify) Produced Water Released: 80 BBL Recovered: 0 BBL Lost: 80 BBL]
Is the concentration of dissolved chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	A hole in the piping on the wellpad caused pressurized produced water to spray on the well pad. Spill was not in containment. The estimated volume is approximately 88 bbls (80 bbls produced water/8 bbls oil). Because of cold weather, the produced water froze on the surface. Recovered volumes will be determined later. Well was shut in to stop release.

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QUESTIONS, Page 2

Action 70074

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 70074
	Action Type: [NOTIFY] Notification Of Release (NOR)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by 19.15.29.7(A) NMAC	Yes, major release.
Reasons why this would be considered a submission for a notification of a major release	<ul style="list-style-type: none"> Unauthorized release of a volume, excluding gases, of 25 barrels or more
If YES, was immediate notice given to the OCD, by whom	Not answered.
If YES, was immediate notice given to the OCD, to whom	Not answered.
If YES, was immediate notice given to the OCD, when	Not answered.
If YES, was immediate notice given to the OCD, by what means (phone, email, etc.)	Not answered.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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ACKNOWLEDGMENTS

Action 70074

ACKNOWLEDGMENTS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 70074
	Action Type: [NOTIFY] Notification Of Release (NOR)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I acknowledge that I am authorized to submit notification of a releases on behalf of my operator.
<input checked="" type="checkbox"/>	I acknowledge that upon submitting this application, I will be creating a new incident file (assigned to my operator) to track the notification(s) and corrective action(s) for a release, pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	I acknowledge that creating a new incident file will require my operator to file subsequent submission(s) of form "C-141, Application for administrative approval of a release notification and corrective action", pursuant to NMAC 19.15.29.
<input checked="" type="checkbox"/>	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.
<input checked="" type="checkbox"/>	I acknowledge the fact that 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.
<input checked="" type="checkbox"/>	I acknowledge the fact that, 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.

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CONDITIONS

Action 70074

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 70074
	Action Type: [NOTIFY] Notification Of Release (NOR)

CONDITIONS

Created By	Condition	Condition Date
wdale	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141.	1/4/2022

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State of New Mexico
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1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017
MAY 29 2018
Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.
DISTRICT II-ARTESIA O.C.D.

Release Notification and Corrective Action

NAB1816327517 **OPERATOR** ☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company 6137	Contact Merle Lewis, Production Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88210	Telephone No. 575-748-3371
Facility Name Tomb Raider 1 12 Federal 62H	Facility Type Oil
Surface Owner Federal	Mineral Owner Federal
API No. 30-015-43889	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	1	23S	31E					Eddy

Latitude_32.340183_ Longitude_103.735711_ NAD83

NATURE OF RELEASE

Type of Release Oil & Natural Gas	Volume of Release 7.73bbbls oil & 152 MCF	Volume Recovered 1bbbls oil
Source of Release Flowline	Date and Hour of Occurrence May 15, 2018 @ 9:15 AM MST	Date and Hour of Discovery May 15, 2018 @ 9:15 AM MST
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD-Mike Bratcher & Crystal Weaver BLM-Shelly Tucker	
By Whom? Mike Shoemaker, EHS Professional	Date and Hour May 16, 2018 @ 6:57 AM MST	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* A contractor was taking samples at the Tomb Raider 62H well head and their operator opened the sample point on the flowline and removed the 1" bull plug causing the release. The compressor was turned off and the 1" ball valve was closed to stop the release.		
Describe Area Affected and Cleanup Action Taken.* Approximately 7.73bbbl oil & 152 MCF of gas were released. A vacuum truck was dispatched and recovered approximately 1bbbls oil from location. An Environmental contractor will be contacted to assist with further delineation and remediation efforts.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: <i>Sheila Fisher</i>	OIL CONSERVATION DIVISION Signed By <i>Mike Bratcher</i> Approved by Environmental Specialist:	
Printed Name: Sheila Fisher		
Title: Field Admin Support	Approval Date: <i>6/7/18</i>	Expiration Date: <i>N/A</i>
E-mail Address: Sheila.Fisher@dv.com	Conditions of Approval: <i>See Attached</i> Attached <input type="checkbox"/>	
Date: 5/17/18	Phone: 575.748.1829	

* Attach Additional Sheets If Necessary

6/7/18AB

Operator/Responsible Party,

The OCD has received the form C-141 you provided on 5/29/2018 regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number 20P-4793 has been assigned. **Please refer to this case number in all future correspondence.**

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete division-approved corrective action for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. **As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District 2 office in ARTESIA on or before 6/29/2018. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.**

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.

- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.

- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-476-3465
jim.griswold@state.nm.us

Tomb Raider 1-12 Fed 62H
7.73bbbls oil & 152 MCF_5.15.18

devon

This map is for illustrative purposes only and is neither a legally recorded map nor survey and is not intended to be used as one. Devon makes no warranty, representation, or guarantee of any kind regarding this map.

WGS_1984_Web_Mercator_Auxiliary_Sphere
Prepared by: Sheila Fisher
Map is current as of: 17-May-2018

Miles
0 0.02 0.04 0.07 1:3,557



Bratcher, Mike, EMNRD

From: Fisher, Sheila <Sheila.Fisher@dvn.com>
Sent: Tuesday, May 29, 2018 4:27 PM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Cc: Shoemaker, Mike; Fulks, Brett; Lewis, Merle; West, Christopher; Coombes, Justin
Subject: Tomb Raider 1-12 Fed 62H_7.73bbbls oil & 152MCF release_5.15.18
Attachments: Tomb Raider 1-12 Fed 62H_7.73bbbls oil & 152MCF release_Initial C-141_5.15.18.doc;
Tomb Raider 1-12 Fed 62H_7.73bbbls oil & 152MCF release_GIS Image_5.15.18.pdf

Good Afternoon,

Attached please find the Initial C-141 and GIS Image for the 7.73bbbls oil & 152MCF release at the Tomb Raider 1-12 Fed 62H on 5.15.18.

If you have any questions please feel free to contact us.

Thank you,

Sheila Fisher
Field Admin Support
Production
B-Schedule

Devon Energy Corporation
PO Box 250
Artesia, NM 88211
575 748 1829 Direct



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Bratcher, Mike, EMNRD

From: Shoemaker, Mike <Mike.Shoemaker@dvn.com>
Sent: Wednesday, May 16, 2018 6:57 AM
To: Bratcher, Mike, EMNRD; Weaver, Crystal, EMNRD; Shelly Tucker (stucker@blm.gov)
Subject: Tomb Raider 1-12 Fed 62H (API #30-015-43889)

Good Morning,

Devon identified the following release at approximately 9:15 AM MST on 05/15/18.

1. Tomb Raider 1-12 Fed 62H (API #30-015-43889)
 - a. A contractor was taking samples this morning at the Tomb Raider 62H well head and their operator opened the sample point on the flowline and removed the 1" bull plug. Not realizing the valve was still open the pressure from the flowline started to vent to the atmosphere releasing approximately 152.4 mcf of gas and approximately 7.73 bbls of mixed fluid was released onto the location. Approximately 1 bbl was recovered.

The impacted area will be mapped to establish the horizontal extent of the impact. The impacted area will then be scrapped off and sampled in accordance with NMOCD Guidelines for Remediation of Leaks, Spills, and Releases and further remediation will be based on these sample results.

A C-141 will be prepared and submitted with GPS coordinates of the area affected.

Thanks,

Mike Shoemaker
EHS Representative

Devon Energy Corporation
6488 Seven Rivers Highway
Artesia, New Mexico 88210
575-746-5566 Office
575-513-5035 Mobile



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Sarahmay Schlea

From: Heather Woods
Sent: Thursday, September 8, 2022 2:24 PM
To: Enviro, OCD, EMNRD
Cc: Woodall, Dale; Sarahmay Schlea; Georgeann Goodman
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Monday, September 12th, 2022, at 7:30am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, - 103.735711.

Many Thanks,
Heather

Heather Woods, P.G.
Project Geoscientist

Personal Registrations: UT Professional Geologist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

**Souder, Miller & Associates**

Engineering ♦ Environmental ♦ Geomatics
401 West Broadway
Farmington, NM 87401
(505) 716-2787 (mobile)
(505) 325-7535 (office)
www.soudermiller.com



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Sarahmay Schlea

From: Sarahmay Schlea
Sent: Thursday, September 15, 2022 4:36 PM
To: Enviro, OCD, EMNRD
Cc: Woodall, Dale; Heather Woods; Georgeann Goodman
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Monday, September 19th, 2022, at 7:30am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, -103.735711.

Thanks,
Sarahmay Schlea



www.soudermiller.com

Sarahmay Schlea

Staff Scientist I
(she/her)

Direct/Mobile: 330-958-5689
Office: 575-449-2758

201 S Halagueno St
Carlsbad, NM 88220

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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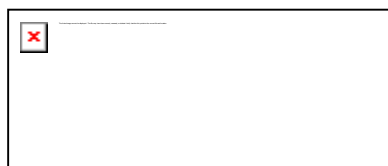
Sarahmay Schlea

From: Sarahmay Schlea
Sent: Wednesday, September 21, 2022 11:34 AM
To: Enviro, OCD, EMNRD
Cc: Woodall, Dale; Heather Woods; Georgeann Goodman
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Friday, September 23rd, 2022, at 7:30am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, - 103.735711.

Thanks,
Sarahmay Schlea



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www.soudermiller.com

Sarahmay Schlea
Staff Scientist I
(she/her)

Direct/Mobile: [330-958-5689](tel:330-958-5689)
Office: [575-449-2758](tel:575-449-2758)

[201 S Halagueno St](#)
[Carlsbad, NM 88220](#)

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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Sarahmay Schlea

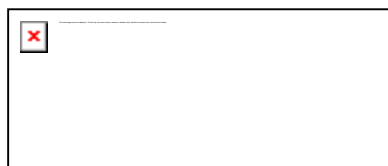
From: Georgeann Goodman
Sent: Wednesday, March 15, 2023 8:23 AM
To: Sarahmay Schlea
Subject: FW: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

From: Sarahmay Schlea <sarahmay.schlea@soudermiller.com>
Sent: Friday, September 23, 2022 2:42 PM
To: Enviro, OCD, EMNRD <ocd.enviro@state.nm.us>
Cc: Woodall, Dale <dale.woodall@dmv.com>; Heather Woods <Heather.Woods@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>
Subject: Re: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Monday, September 26th, 2022, at 8:00am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, - 103.735711.

Thanks,
Sarahmay Schlea



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www.soudermiller.com

Sarahmay Schlea
Staff Scientist I
(she/her)

Direct/Mobile: [330-958-5689](tel:330-958-5689)
Office: [575-449-2758](tel:575-449-2758)

201 S Halagueno St
Carlsbad, NM 88220

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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From: Sarahmay Schlea
Sent: Wednesday, September 21, 2022 11:34:14 AM
To: Enviro, OCD, EMNRD <ocd.enviro@state.nm.us>
Cc: Woodall, Dale <dale.woodall@dmv.com>; Heather Woods <Heather.Woods@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Friday, September 23rd, 2022, at 7:30am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, - 103.735711.

Thanks,
Sarahmay Schlea

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www.soudermiller.com

Sarahmay Schlea

*Staff Scientist I
(she/her)*

Direct/Mobile: 330-958-5689

Office: 575-449-2758

201 S Halagueno St
Carlsbad, NM 88220

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)

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Sarahmay Schlea

From: Georgeann Goodman
Sent: Tuesday, September 27, 2022 9:33 AM
To: ocd.enviro@state.nm.us
Cc: Heather Woods; Sarahmay Schlea
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good morning,

Souder, Miller & Associates would like to be on location Wednesday, September 28th, 2022, at 8:00am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, -103.735711.

Thank you,
Georgeann Goodman

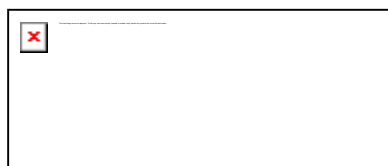
Sarahmay Schlea

From: Sarahmay Schlea
Sent: Wednesday, September 28, 2022 12:46 PM
To: Enviro, OCD, EMNRD
Cc: Woodall, Dale; Heather Woods; Georgeann Goodman
Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Due to excavation guidance and confirmation sampling occurring concurrently, Souder, Miller & Associates would like to be on location Thursday, September 29th, 2022, at 8:00am to conduct further confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, -103.735711.

Thanks,
Sarahmay Schlea



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Sarahmay Schlea
Staff Scientist I
(she/her)

Direct/Mobile: [330-958-5689](tel:330-958-5689)
Office: [575-449-2758](tel:575-449-2758)

[201 S Halagueno St](#)
[Carlsbad, NM 88220](#)

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX Surveying Firm ([10162200](#)), WY Engineering/Surveying Firm (S-1704)

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Sarahmay Schlea

From: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Sent: Thursday, October 6, 2022 8:54 AM
To: Heather Woods; Dale.Woodall@dv.n.com; Sarahmay Schlea; Georgeann Goodman
Cc: Harimon, Jocelyn, EMNRD; Nobui, Jennifer, EMNRD; Hamlet, Robert, EMNRD
Subject: RE: [EXTERNAL] Re: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Heather,

OCD will approve a variance to the sample notification as required in 19.15.29 NMAC, in this instance. Please proceed on your schedule. Also, please include this, and all correspondence, in the closure report to insure inclusion in the project file.

Thank you,

Mike Bratcher • Incident Supervisor
Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov *NOTE NEW EMAIL ADDRESS*
<http://www.emnrd.state.nm.us/OCD/>



From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Sent: Thursday, October 6, 2022 8:32 AM
To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: Fw: [EXTERNAL] Re: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

From: Heather Woods <Heather.Woods@soudermiller.com>
Sent: Thursday, October 6, 2022 8:26 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Woodall, Dale <Dale.Woodall@dv.n.com>; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>
Subject: [EXTERNAL] Re: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

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

Good Morning,

Based on sample results received yesterday evening, we will be removing a little more material and resampling several small areas today at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, -103.735711. There is a rig scheduled to move to this location soon and we would like to complete the remediation. Hopefully this is acceptable but please let us know if not so that we can reschedule confirmation sampling.

Thanks,
Heather

Heather Woods, PG
(505) 716-2787
Heather.Woods@SouderMiller.com

From: Heather Woods <Heather.Woods@soudermiller.com>

Sent: Thursday, September 8, 2022, 2:23 PM

To: Enviro, OCD, EMNRD <ocd.enviro@state.nm.us>

Cc: Woodall, Dale <Dale.Woodall@dvn.com>; Sarahmay Schlea <sarahmay.schlea@soudermiller.com>; Georgeann Goodman <Georgeann.Goodman@soudermiller.com>

Subject: Confirmation Sampling Notification - Tomb Raider 1 12 Federal #062H (nAPP2200428221)

Good Afternoon,

Souder, Miller & Associates will be on location Monday, September 12th, 2022, at 7:30am to conduct confirmation sampling at the Devon Tomb Raider 1 12 Federal #062H release location (nAPP2200428221) located at 32.340183, -103.735711.

Many Thanks,
Heather

Heather Woods, P.G.
Project Geoscientist

Personal Registrations: UT Professional Geologist

Corporate Registrations: AZ Engineering/Geology/Surveying Firm (14070), FL Engineering Firm (34203), ID Engineering/Surveying Firm (C-3564), ND Engineering Firm (28545PE), OK Engineering Firm (8498), SD Surveying Firm (C-7436), TX Engineering Firm (8877), TX Geology Firm (50254), TX PST CAPM (CS-0000051), TX Surveying Firm (10162200), WY Engineering/Surveying Firm (S-1704)



Souder, Miller & Associates

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Farmington, NM 87401
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APPENDIX B

WATER WELL DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 1, 2, 11, 12

Township: 23S

Range: 31E

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.

3/23/23 9:35 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 35, 36

Township: 22S

Range: 31E

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.

3/23/23 9:36 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

APPENDIX C

FIELD NOTES AND PHOTOGRAPH LOG

pg 1 of 2

Field Screening

Location Name:

Devon Tomb Raider

Date:

3/23/22

Sample Name:	notes Soil Type	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
BG000		0	0800	0.25	16.9	0.7	—
BG001		1	0803	0.23	16.7	0.4	—
BG002		2	0805	0.24	17.1	0.2	—
BG003		3	0806	0.24	16.9	0.1	—
BG004		4	0807	0.25	16.9	0.1	—
SB0100		0	0819	11.09	16.0	5.9	1639
SB0102		2	0825	0.33	17.0	15.6	—
SB0104		4	0830	0.26	16.7	2.3	0
SB0106		6	0834	0.28	14.9	4.1	—
SB0107	refusal	7	0840	0.31	16.3	0.3	0
SB0200		0	0848	5.81	15.9	4.7	error
SB0202		2	0852	0.32	17.5	1.7	0
SB0204		4	0855	0.26	15.4	1.0	0
SB0206		6	0856	0.27	16.9	0.3	—
SB0207	refusal	7	0907	0.27	16.9	0.6	—
SB0300		0	0910	0.85	16.1	1.5	1827
SB0302		2	0915	0.30	17.1	0.5	0
SB0304		4	0920	0.28	17.1	0.9	0
SB0306		6	0925	0.34	17.1	1.0	—
SB0400		0	0927	1.40	16.5	0.0	1647
SB0402		2	0932	0.49	16.3	0.3	0
SB0404		4	0935	0.39	17.4	0.2	0
SB0406		6	0943	0.36	16.9	0.1	—
SB0407		7	0944	0.36	17.2	0.3	—
SB0500		0	0958	1.00	17.1	0.3	—

*EC values are all artificial up to SB11 due to DI water being mistaken for tap water; in water alone, EC was reading @ 0.23-0.25

pg 2 of 2

Field Screening

Location Name:

Date:

Devon Tomb Raider

3/23/22


Sample Name:	notes SB0502	Depth (BGS)	Collection Time:	EC (ppm)	Temp (°C)	PID Reading	PF
SB0502		2	1020	0.33	21.0	0.7	
SB0504		4	1025	0.27	18.8	0.7	
SB0506		6	1030	0.26	18.4	0.4	
SB0507		7	1032	0.26	18.2	0.5	
SB0600		0	1035	0.35	18.4	0.2	
SB0602		2	1034	0.26	18.3	0.2	
SB0604		4	1044	0.33	22.8	0.4	
SB0606		6	1047	0.33	19.3	0.2	
SB0700		0	1050	0.63	19.0	0.3	
SB0702		2	1100	0.26	19.6	0.2	
SB0704		4	1105	0.26	18.9	0.2	
SB0706		6	1108	0.26	18.5	0.2	
SB0800		0	1115	1.33	23.0	0.4	
SB0802		2	1125	0.24	19.0	0.3	
SB0804		4	1126	0.24	18.7	0.1	
SB0900		0	1129	0.43	19.2	0.2	
SB0902		2	1131	0.29	18.5	0.2	
SB0904		4	1135	0.27	18.5	0.3	
SB1000		0	1140	0.58	20.1	0.3	
SB1002		2	1145	0.26	18.7	0.2	
SB1004		4	1150	0.25	18.3	0.2	
SB1100		0	1152	1.29	19.1	0.0	
SB1102		2	1158	0.28	19.4	0.4	
SB1104		4	1203	0.26	18.3	0.2	

Field Screening

4/25/2023 12:52:09 PM


Page

Location Name: Tomb Raider		Date: May 26, 2022								
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /pF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:		
BH2200	0918	5.29	22.4	0.5	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2300	0920	1.01	22.1	0.8	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2400	0923	2.00	22.2	0.4	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2500	0940	0.56	22.9	0.3	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2600	0943	0.40	22.4	0.3	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2700	0946	1.93	21.9	0.3	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2800	1000	1.17	23.2	0.3	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH2900	1002	0.19	22.9	0.2	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			
BH3000	1016	0.41	23.1	0.7	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Silt Clay	Dry Moist Wet			

 Field Screening									
Location Name: Tomb Raider		Date: May 20, 2022							
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
BH22 @ 8"	1034	0.53	23.3	1.3	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH23 @ 8"	1030	0.59	23.3	1.0	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH24 @ 1'	1026	0.16	23.2	2.2	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH31 @ 0.	1054	0.37	24.8	0.1	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH31 @ 8"	1059	0.08	23.7	0.7	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH32 @ 0'	1103	0.12	24.4	0.6	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH32 @ 1'	1110	0.03	23.3	1.2	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH33 @ 0	1124	0.09	25.5	0.8	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BH33 @ 1'	1125	0.04	24.0	2.6	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		


ASMA Field Screening									
Location Name:	Date: Mar 26, 2022								
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
BA3420	1128	0.12	23.9	0.8	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BA3421	1130	0.03	24.0	1.8	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BA3520	1145	0.30	26.4	0.9	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BA3521	1151	0.05	24.1	1.0	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BA3620	1157	0.26	27.4	0.8	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
BA3621	1204	0.06	24.9	1.6	Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
					Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
					Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		
					Light Tan Gray Yellow	Gravel Sand Clay	Dry Moist Wet		

pg 1 of 2

 Field Screening									
Location Name: Tomb Raider 1-12 Fed			Date: June 9, 2022						
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
BH3720	0841	0.69	27.6	1.4	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH3820	0843	2.18	27.5	0.7	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH3920	0900	2.26	27.2	0.9	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4020	0902	1.18	26.9	1.2	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4120	0905	0.86	27.0	0.9	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4220	0907	0.11	26.7	1.7	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4320	0923	0.73	27.9	1.4	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4420	0926	0.06	27.6	1.9	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		
BH4520	0929	4.89	27.9	1.8	Light Tan Dark Brown Gray Olive Yellow Red	Gravel Sand Rock Silt Clay	Dry Moist Wet		

BH4620 0944 0.09 27.6 2.2

pg 2 of 2

 Field Screening									
Location Name: Tomb Raider 1-12 Fc9		Date: June 9, 2022							
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:	
BH4720	0955	0.15	28.5	1.3	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
BH4820	0957	0.13	27.4	1.4	Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		
					Light Tan Gray Yellow Dark Brown Olive Red	Gravel Sand Clay Rock Silt Clay	Dry Moist Wet		

30 June 9, 2022 Tomb Raider / Galapagos

SMA arrived onsite about 0825.

While Heather determined where we needed to sample, I walked around and took GPS coordinates of the sample locations from the last time.

Heather and I ended up taking an additional 17 surface samples (we knew for the most part that it would be clean over 15 to 1 ft) and ran field screens on them. These field screens led us to have to continue to step out as we didn't know our initial field screens + analytical results to tell us if we would have clean samples or not.

We left site ~ 1045 to head back to Galapagos.

SMA arrived back at Galapagos ~ 1055 we performed oversight duties at the excavation.

SMA left site ~ 1340 for an interview back at the office.

BH GPS waypoint.

→ 22-36 = 102-116

Scale: 1 square =

June 10, 2022 Galapagos/Tomb Raider
SMA arrived at Galapagos at 0715 w/ intentions of oversight on the excavation since I didn't take GPS coordinates of the additional holes Heather and I did yesterday (June 9, 2022) my plan is to do that this morning after checking on the land dig crew.

SMA left site at 0815

SMA arrived onsite at Tomb Raider at 0825.

Will take GPS waypoints

.47 = 117

48 = 118

37-46 = 119-128

SMA left Tomb Raider at 0900

Scale: 1 square =

Return to Rain

Legend

- Boreholes
- Proposed Boreholes
- Point of Release
- Visual Release Area
- Estimated Release Extent

area of no Sampling



Scale: 1:792

Point of Release Coordinates:
-103.735711W 32.340183N

Figure 3

201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
Serving the Southwest & Rocky Mountains



Drawn _____
Date _____
Checked _____
Approved _____

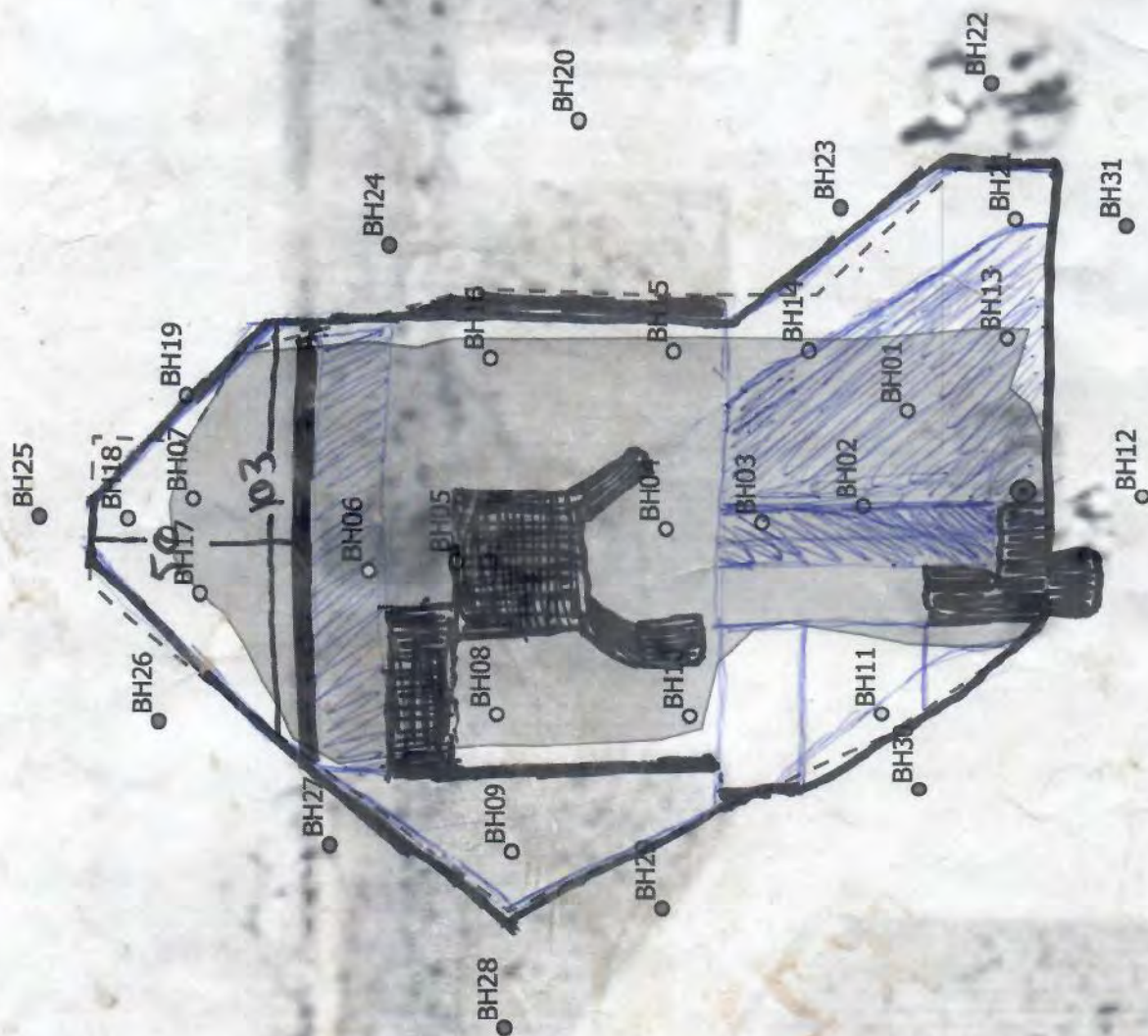
Revisions
By: _____ Date: _____ Descr: _____
By: _____ Date: _____ Descr: _____
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Maxar, Microsoft

Site Characterization Map

Tomb Raider 1-12 Federal 62H - Devon Energy Production Company

UL: CS: 1 T: 23S R: 31E, Eddy County, New Mexico



SMA FIELD SCREENING						
LOCATION NAME: Devon Tomb Raider					SAMPLING DATE: OCTOBER 6 2022	
SAMPLE NAME	Collection Time	PID Reading	EC (mS)	Temp (°C)	PetroFlag	NOTES/REMARKS/SOIL DESCRIPTION
RSC-26	0954				4	petroflag
RSC-50	1058		0.40	22.1	? 113	petroflag + EC
RSC-59	1044		0.40	22.3		EC
RSC-60	1041 1003		0.38	22.4		EC
RSC-129	1101					petroflag
RSC-11	0924		0.17	21.9		EC
RSC-12	0925				0	petroflag
(TP@1)	1122		0.29	22.0		EC
						R2
						SC-129 R2
						SS-26-R2
						SS-50-R2
						Dont Send TP@a

soil color: light, dark, tan, brown, yellow, red, olive, gray
soil type: gravel, rock, sand, silty, clay
moisture level: dry, moist, wet

20 rows/sheet

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #1	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the East

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #2	A photograph of an oil field deferral area. In the foreground, there is a dirt road with tire tracks. To the right, there is a red safety fence. In the background, there are several oil pumpjacks and a large green structure. The sky is blue with some clouds. Overlaid on the image is survey data: 'UTC: 2022.09.30T19:53:16Z', 'Lat, Lon: 32.340456, -103.735509', 'Alt: 1025.6m MSL WGS84', 'CEP: 4m', and 'Azimuth and Bearing 315° N44W'. There are also two vertical scale bars on the left and right sides of the image, with markings at 0°, -3.9°, -5°, -6.5°, 0°, +15°.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area and sample locations for SC-139 through SC-144R

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #3	A photograph of a dirt road at a mining site. The road is sandy and has tire tracks. In the background, there are power lines and a clear blue sky. Overlaid on the image is a data box with the following text: UTC: 2022.09.30T19:53:38Z, Lat, Lon: 32.340347, -103.735491, Alt: 1027.1m MSL WGS84, CEP 4m. Below this is a heading 'Azimuth and Bearing' followed by '143° S52E'. At the bottom of the image is a compass rose showing 'E', 'SE', and 'S'. On the left and right sides of the image are vertical angle scales. The left scale ranges from -5° to 0° with a mark at -7°. The right scale ranges from -15° to +15° with a mark at -7.1°.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-1 through SS-17

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #4	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-3 through SS-19


Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #5	A photograph of an oil pumpjack in a desert landscape. The pumpjack is on the left side of the frame. In the background, there are power lines and a yellow tractor. The ground is sandy and has many tire tracks. Overlaid on the image is a data box in the top left corner with the following text: UTC: 2022.09.30T19:53:45Z, Lat, Lon: 32.940354, -103.735499, Alt: 1026.7m MSL WGS84, CEP: 4m. In the center of the image, there is text that reads 'Azimuth and Bearing 277° N7W'. On the left side of the image, there is a vertical scale with markings at 0°, -2.3°, and -5°. On the right side of the image, there is a vertical scale with markings at -30°, -15°, and 0°. At the bottom of the image, there is a horizontal scale with markings for SW, W, and NW. The 'W' marking is highlighted with an orange vertical line.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the east

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #6	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-1 through SS-15

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #7	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the east

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #8	 <p>UTC: 2022.09.30T19:55:29Z Lat, Lon: 32.340182, -103.735621 Alt: 1025.9m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 25° N24E</p> <p>+5° 0° 1° -30° -15° -9.1° 0°</p> <p>N NE</p>
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area, and some of the SS sample locations on the East

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #9	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #10	A photograph of an oil field site showing sample locations for SS-61 through SS-62. The ground is sandy and uneven. In the background, there is a drilling rig and some industrial equipment. Overlaid on the image is a data box with the following text: UTC: 2022.09.30T19:56:32Z, Lat, Lon: 32.340277, -103.735818, Alt: 1024.9m MSL WGS84, CEP: 4m. Below this, it says 'Azimuth and Bearing' followed by '67° N66E'. On the left side of the image, there is a vertical scale with markings at 0°, -1.3°, and -5°. On the right side, there is a vertical scale with markings at -30°, -15°, and 0°. At the bottom center, there is a horizontal scale with markings for NE and E.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-61 through SS-62

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #11	A photograph of a deferral area at a mining site. In the foreground, a large metal pipe with several valves is partially buried in a trench. A black surveying instrument is mounted on a tripod in the center. The ground is dry, sandy soil. In the background, a drilling rig is visible under a clear blue sky. Technical overlays include: top-left corner text (UTC: 2022.09.30T19:56:35Z, Lat, Lon: 32.340277, -103.735818, Alt: 1024.9m MSL WGS84, CEP: 4m), center text (Azimuth and Bearing 127° S36E), left vertical scale (0°, -4°, -5°), right vertical scale (-30°, -15°, 0°), and bottom center orientation markers (E, SE, S).
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of a deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #12	A photograph of a desert landscape with a wellhead in the foreground. The wellhead is a black metal structure with a horizontal pipe. In the background, there is a red safety fence and some utility poles. The sky is blue with some clouds. Overlaid on the image is survey data: 'UTC: 2022.09.30T19:56:38Z', 'Lat, Lon: 32.340277, -103.735821', 'Alt: 1024.8m MSL WGS84', 'CEP: 4m', 'Azimuth and Bearing 238° S58W'. There are also vertical scale bars on the left and right sides of the image with markings at 0°, -2°, -5°, -15.3°, -15°, and -30°. At the bottom of the image, there is a horizontal scale bar with markings for 'S', 'SW', 'W', and 'E'.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #13	A photograph of a sandy, arid landscape under a clear blue sky. In the background, a yellow Deere excavator is parked on a dirt path. A red safety fence runs across the middle ground. Overlaid on the image is technical data: 'UTC: 2022.09.30T19:56:41Z', 'Lat, Lon: 32.340278, -103.735822', 'Alt: 1024.7m MSL WGS84', and 'CEP: 4m'. A central text overlay reads 'Azimuth and Bearing 300° N30W'. On the left, a vertical scale shows angles from 0° to -5°, with a marker at -2.6°. On the right, a vertical scale shows angles from -30° to 0°, with a marker at -17.2°. At the bottom center, a horizontal scale shows directions W and NW. The ground is sandy with some small rocks and a small black flag planted in the soil.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-27 through SS-32 and SS-43 through SS-48

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #14	A photograph of an excavation site under a clear blue sky. The ground is sandy and uneven. In the background, there are some structures and utility poles. Overlaid on the image is a data box in the top left corner containing the following text: UTC: 2022.09.30T19:56:46Z, Lat, Lon: 32.34028, -103.735828, Alt: 1024.7m MSL WGS84, CEP 4m. In the center of the image, there is a text overlay that reads 'Azimuth and Bearing' followed by '349° N79W'. On the left side of the image, there is a vertical scale bar with markings at 0°, -2.9°, and -5°. On the right side, there is a vertical scale bar with markings at -30°, -15°, and 0°. At the bottom center, there is a horizontal scale bar with a 'NW' label and several vertical tick marks.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the West and in the center of the excavation

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #15	A photograph of a sandy, brown excavation site under a clear blue sky. In the background, there are utility poles and a fence. Overlaid on the image is a data box in the top left corner containing the following text: UTC: 2022.09.30T19:56:49Z, Lat, Lon: 32.340281, -103.735825, Alt: 1024.8m MSL WGS84, CEP: 4m. In the center of the image, there is text that reads 'Azimuth and Bearing' followed by '16° N15E'. On the left side of the image, there is a vertical scale with markings at 0°, -9°, and -5°. On the right side, there is another vertical scale with markings at -30°, -15°, 0°, and -9.6°. At the bottom center of the image, there is a horizontal scale with markings for North (N) and Northeast (NE). <p>UTC: 2022.09.30T19:56:49Z Lat, Lon: 32.340281, -103.735825 Alt: 1024.8m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 16° N15E</p> <p>0° -9° -5°</p> <p>-30° -15° 0° -9.6°</p> <p>N NE</p>
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations in the center of the excavation

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #16	A photograph of a desert landscape under a clear blue sky. In the background, a drilling rig is visible. The foreground is sandy and uneven. Overlaid on the image are several data points: UTC: 2022.09.30T19:57:19Z, Lat Lon: 32.340291, -103.735926, Alt: 1024.5m MSL WGS84, CEP 4m, Azimuth and Bearing 42° N42E, and two vertical scale bars on the left and right sides showing angles from 0° to -30° and -15° respectively. A horizontal scale bar at the bottom shows directions N, NE, and E.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the West

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #17	A photograph of an oil field site. In the background, a large pumpjack is visible. The foreground is a sandy, flat area with tire tracks. A red safety fence is on the right. Overlaid text includes: UTC: 2022.09.30T19:57:22Z, Lat, Lon: 32.340291, -103.735926, Alt: 1024.5m MSL WGS84, CEP: 4m, Azimuth and Bearing: 84° N83E. On the left, a vertical scale shows 0°, 6°, and -5°. On the right, a vertical scale shows -30°, -15°, and 0°. At the bottom, a horizontal scale shows NE, E, and SE. <p>UTC: 2022.09.30T19:57:22Z Lat, Lon: 32.340291, -103.735926 Alt: 1024.5m MSL WGS84 CEP: 4m Azimuth and Bearing: 84° N83E</p> <p>0° 6° -5°</p> <p>-30° -15° 0°</p> <p>NE E SE</p>
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SS-58 through SS-60R

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #18	A photograph of a desert landscape with industrial equipment. In the foreground, a yellow excavator is partially visible on the left. In the background, there is a green industrial structure with a large fan. The ground is sandy and brown. Overlaid on the image is text providing location and time data: 'UTC: 2022.09.30T19:57:26Z', 'Lat, Lon: 32.340293, -103.735927', 'Alt: 1024.9m MSL WGS84', 'CEP: 4m'. Below this, it says 'Azimuth and Bearing' and '13° N13E'. On the left side, there is a vertical scale with markings at 0°, -7°, and -5°. On the right side, there is a vertical scale with markings at -30°, -15.2°, -15°, and 0°. At the bottom center, there is a horizontal scale with markings for NW, N, and NE. <p>UTC: 2022.09.30T19:57:26Z Lat, Lon: 32.340293, -103.735927 Alt: 1024.9m MSL WGS84 CEP: 4m</p> <p>Azimuth and Bearing 13° N13E</p> <p>0° -7° -5°</p> <p>-30° -15.2° -15° 0°</p> <p>NW N NE </p>
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the West

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #19	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SC-118 through SC-126

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #20	A photograph of a desert landscape under a clear blue sky. In the foreground, there is a yellow metal structure on the left and a red plastic safety fence in the center. The ground is sandy and uneven. In the background, there are some industrial structures and power lines. Overlaid on the image is a survey data box in the top left corner: 'UTC: 2022.09.30T19:57:52Z', 'Lat, Lon: 32.340368, -103.735917', 'Alt: 1023.9m MSL WGS84', 'CEP: 4m'. In the center, it says 'Azimuth and Bearing 333° N62W'. On the left side, there is a vertical scale from 0° to -5° with a marker at -2.6°. On the right side, there is a vertical scale from -15° to +15° with a marker at -8°. At the bottom center, there is a horizontal scale with markers for 'NW' and 'N'.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #21	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of some SS sample locations on the West

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #22	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SC-116 through SC-117, and SC-119 through SC-123

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #23	A photograph of a desert landscape with a dirt road, sparse vegetation, and industrial equipment in the background. Overlaid on the image are several technical annotations: a timestamp 'UTC: 2022.09.30T19:59:12Z', coordinates 'Lat, Lon: 32.340691, -103.735951', altitude 'Alt: 1024.6m MSL WGS84', and CEP '4m'. A central text overlay reads 'Azimuth and Bearing 80° N79E'. On the left, a vertical scale shows '+5°' and '0°'. On the right, a vertical scale shows '-15°', '-3.4°', '0°', and '+15°'. At the bottom center, a horizontal scale shows 'NE', 'E', and 'SE'.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #24	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for CS17 though CS20

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #25	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for CS09 through CS-20, and the portion of the excavation on the north pad

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #26	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample SC-127

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #27	A photograph of an industrial site, likely a wellhead or pumpjack area, with a large vertical pipe and various valves. The ground is dry and sandy. Technical overlays include: UTC: 2022.09.30T20:00:58Z, Lat, Lon: 32.340661, -103.735778, Alt: 1024.5m MSL WGS84, CEP 4m, Azimuth and Bearing 64° N63E, and two vertical angle scales on the left and right showing +5°, 0°, -5°, -13.8°, -15°, and -30°.
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of a portion of the deferral area

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #28	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SC-128 through SC-130

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #29	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SC-131 through SC-144

Photograph Log
Tomb Raider 1 12 Federal #062H
Devon Energy Production Company



Photograph #30	
Client: Devon Energy	
Site Name: Tomb Raider 1 12 Federal #062H	
Date Photo Taken: September 30, 2022	
Release Location: N32.340202, W103.735651 Sec 01-T23S-R31E Eddy County, New Mexico	
	Description: view of sample locations for SC-89 through SC-115

APPENDIX D

SAMPLING PROTOCOL



Sampling Protocol

The soil samples will be collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech laboratories located in Farmington, New Mexico for analysis. Samples will be collected for laboratory analysis including chloride using United States Environmental Protection Agency (USEPA) Method 300.0; total benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering will be used to identify each sample collected and designated for on-site field screening and off-site laboratory analysis. The purpose of this numbering scheme is to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers will be recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels will be affixed to all sample containers during sampling activities. Information will be recorded on each sample container label at the time of sample collection. The information recorded on the labels will be as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples will be packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured courier service.

COC procedures implemented for the project provide documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody will be documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container will be used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form included within the container.

APPENDIX E

LABORATORY ANALYTICAL REPORTS

Report to:
Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider

Work Order: E203158

Job Number: 01058-0007

Received: 3/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/1/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider
Workorder: E203158
Date Received: 3/25/2022 8:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2022 8:30:00AM, under the Project Name: Tomb Raider.

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

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

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

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

Respectfully,

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

Raina Schwanz
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/01/22 10:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG @ 0	E203158-01A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
BG @ 1	E203158-02A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
BG @ 2	E203158-03A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
BG @ 3	E203158-04A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
BG @ 4	E203158-05A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB01 @ 0	E203158-06A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB01 @ 2	E203158-07A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB01 @ 4	E203158-08A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB01 @ 6	E203158-09A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB01 @ 7	E203158-10A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB02 @ 0	E203158-11A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB02 @ 2	E203158-12A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB02 @ 4	E203158-13A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB02 @ 6	E203158-14A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB02 @ 7	E203158-15A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB03 @ 0	E203158-16A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB03 @ 2	E203158-17A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB03 @ 4	E203158-18A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB03 @ 6	E203158-19A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB04 @ 0	E203158-20A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

BG @ 0

E203158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
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Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2214013
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

BG @ 1

E203158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2214013
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

BG @ 2

E203158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2214013
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

BG @ 3

E203158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2214013
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

BG @ 4

E203158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL			Batch: 2214013
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB01 @ 0

E203158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	0.0496	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	0.277	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	0.525	0.0500	1	03/28/22	03/31/22	
Total Xylenes	0.802	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	119 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	27.5	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	3630	500	20	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	1090	1000	20	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	126 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	20200	1000	50	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB01 @ 2

E203158-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.4 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		95.4 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB01 @ 4

E203158-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		90.9 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		94.2 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	35.6	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB01 @ 6

E203158-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.1 %	70-130	03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		96.6 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	38.2	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB01 @ 7

E203158-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	60.7	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB02 @ 0

E203158-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	8030	125	5	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	4470	250	5	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	10600	400	20	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB02 @ 2

E203158-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	87.8 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	67.3	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB02 @ 4

E203158-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	87.0 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	22.3	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB02 @ 6

E203158-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	94.6 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	24.8	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB02 @ 7

E203158-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	0.0289	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	0.0289	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	105 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB03 @ 0

E203158-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.5 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	659	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	189	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	714	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB03 @ 2

E203158-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	95.8 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	32.8	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB03 @ 4

E203158-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	99.2 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	ND	20.0	1	03/28/22	03/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB03 @ 6

E203158-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.8 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214028	
Diesel Range Organics (C10-C28)	48.4	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	96.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214013	
Chloride	60.8	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 10:04:20AM

SB04 @ 0

E203158-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214002
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214002
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214028
Diesel Range Organics (C10-C28)	1680	50.0	2	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	947	100	2	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	78.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214013
Chloride	1980	20.0	1	03/28/22	03/30/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214002-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			

LCS (2214002-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	4.67	0.0250	5.00		93.3	70-130			
Ethylbenzene	4.36	0.0250	5.00		87.2	70-130			
Toluene	4.59	0.0250	5.00		91.7	70-130			
o-Xylene	4.59	0.0250	5.00		91.8	70-130			
p,m-Xylene	9.00	0.0500	10.0		90.0	70-130			
Total Xylenes	13.6	0.0250	15.0		90.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.20		8.00		102	70-130			

Matrix Spike (2214002-MS1)

Source: E203158-06

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	5.07	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.85	0.0250	5.00	0.0496	96.0	61-133			
Toluene	4.99	0.0250	5.00	ND	99.7	61-130			
o-Xylene	5.32	0.0250	5.00	0.277	101	63-131			
p,m-Xylene	10.2	0.0500	10.0	0.525	96.9	63-131			
Total Xylenes	15.5	0.0250	15.0	0.802	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	9.48		8.00		118	70-130			

Matrix Spike Dup (2214002-MSD1)

Source: E203158-06

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	5.06	0.0250	5.00	ND	101	54-133	0.271	20	
Ethylbenzene	4.85	0.0250	5.00	0.0496	96.0	61-133	0.00516	20	
Toluene	4.99	0.0250	5.00	ND	99.7	61-130	0.0191	20	
o-Xylene	5.33	0.0250	5.00	0.277	101	63-131	0.0404	20	
p,m-Xylene	10.2	0.0500	10.0	0.525	97.1	63-131	0.187	20	
Total Xylenes	15.6	0.0250	15.0	0.802	98.4	63-131	0.137	20	
Surrogate: 4-Bromochlorobenzene-PID	9.50		8.00		119	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214002-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

LCS (2214002-BS2)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	51.8	20.0	50.0		104	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

Matrix Spike (2214002-MS2)

Source: E203158-06

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	85.8	20.0	50.0	27.5	117	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.20		8.00		90.0	70-130			

Matrix Spike Dup (2214002-MSD2)

Source: E203158-06

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	86.2	20.0	50.0	27.5	117	70-130	0.368	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214028-BLK1)					Prepared: 03/29/22 Analyzed: 03/30/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.0		50.0		84.0	50-200			

LCS (2214028-BS1)					Prepared: 03/29/22 Analyzed: 03/30/22				
Diesel Range Organics (C10-C28)	431	25.0	500		86.2	38-132			
Surrogate: n-Nonane	37.1		50.0		74.2	50-200			

Matrix Spike (2214028-MS1)					Source: E203158-08		Prepared: 03/29/22 Analyzed: 03/30/22		
Diesel Range Organics (C10-C28)	482	25.0	500	ND	96.3	38-132			
Surrogate: n-Nonane	44.9		50.0		89.8	50-200			

Matrix Spike Dup (2214028-MSD1)					Source: E203158-08		Prepared: 03/29/22 Analyzed: 03/30/22		
Diesel Range Organics (C10-C28)	479	25.0	500	ND	95.7	38-132	0.626	20	
Surrogate: n-Nonane	47.6		50.0		95.2	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 10:04:20AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214013-BLK1)

Prepared: 03/28/22 Analyzed: 03/29/22

Chloride ND 20.0

LCS (2214013-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Chloride 259 20.0 250 103 90-110

Matrix Spike (2214013-MS1)

Source: E203158-01

Prepared: 03/28/22 Analyzed: 03/29/22

Chloride 258 20.0 250 ND 103 80-120

Matrix Spike Dup (2214013-MSD1)

Source: E203158-01

Prepared: 03/28/22 Analyzed: 03/29/22

Chloride 256 20.0 250 ND 103 80-120 0.594 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/01/22 10:04

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

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

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



Project Information

Chain of Custody

Page 1 of 8

ST05 Day

Client: <u>SMA</u> Project: <u>Tomb Raider</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____				Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ WO# <u>20995421</u>				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Lab Use Only</th> <th colspan="2">TAT</th> <th colspan="4">EPA Program</th> </tr> <tr> <td colspan="5">Lab WO# <u>PE203158</u></td> <td colspan="5">Job Number <u>01058-0007</u></td> <td>1D</td> <td>3D</td> <td>RCRA</td> <td>CWA</td> <td>SDWA</td> </tr> <tr> <th colspan="12">Analysis and Method</th> <th colspan="4">State</th> </tr> <tr> <td>DRO/ORO by 8015</td> <td>GRO/DRO by 8015</td> <td>BTEX by 8021</td> <td>VOC by 8260</td> <td>Metals 6010</td> <td>Chloride 300.0</td> <td></td> <td></td> <td></td> <td></td> <td>BDOC - NM</td> <td>BDOC - TX</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="12"></td> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> </tr> <tr> <td colspan="12"></td> <td>TX</td> <td>OK</td> <td></td> <td></td> </tr> <tr> <td colspan="12"></td> <td colspan="4">Remarks</td> </tr> </table>										Lab Use Only										TAT		EPA Program				Lab WO# <u>PE203158</u>					Job Number <u>01058-0007</u>					1D	3D	RCRA	CWA	SDWA	Analysis and Method												State				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					BDOC - NM	BDOC - TX																															NM	CO	UT	AZ													TX	OK															Remarks			
Lab Use Only										TAT		EPA Program																																																																																																																																		
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BDOC - NM	BDOC - TX																																																																																																																															
0800	3/23	Soil	1	BG00	1						X																																																																																																																																			
0803	3/23	Soil	1	BG01	2						X																																																																																																																																			
0805	3/23	Soil	1	BG02	3						X																																																																																																																																			
0806	3/23	Soil	1	BG03	4						X																																																																																																																																			
0807	3/23	Soil	1	BG04	5						X																																																																																																																																			
0819	3/23	Soil	1	SB0100	6									X																																																																																																																																
0825	3/23	Soil	1	SB0102	7									X																																																																																																																																
0830	3/23	Soil	1	SB0104	8									X																																																																																																																																
0834	3/23	Soil	1	SB0106	9									X																																																																																																																																
0840	3/23	Soil	1	SB0107	10									X																																																																																																																																
Additional Instructions:																																																																																																																																														
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____												Samples requiring thermal preservation must be received on the day they are sampled or received packed in ice at an avg temp above 2 but less than 6 °C on subsequent days																																																																																																																																		
Relinquished by: (Signature) _____				Date <u>3/24/22</u>		Time <u>11:26</u>		Received by: (Signature) _____				Date <u>3/24/22</u>		Time <u>11:26</u>		Lab Use Only Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>																																																																																																																														
Relinquished by: (Signature) _____				Date <u>3/24/22</u>		Time <u>14:30</u>		Received by: (Signature) _____				Date <u>3/25/22</u>		Time <u>8:30</u>																																																																																																																																
Relinquished by: (Signature) _____				Date _____		Time _____		Received by: (Signature) _____				Date _____		Time _____																																																																																																																																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																																																																																																																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																																																																																																														

envirotech

Project Information

Chain of Custody

Page 2 of 8

STP 5 day

Client: <u>SMA</u>				Bill To		Lab Use Only				TAT		EPA Program																									
Project: <u>Tomb Raider</u>				Attention: <u>Devon</u>		Lab WO# <u>PE203158</u>		Job Number <u>01058-0007</u>		1D 3D		RCRA		CWA		SDWA																					
Project Manager: <u>Ashley Maxwell</u>				Address:		Analysis and Method										State																					
Address:				City, State, Zip												NM				CO				UT				AZ									
City, State, Zip				Phone:		BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC - NM				BGDOC - TX				TX				OK			
Email:				Email:		WO# <u>20995421</u>																															
Report due by:																																					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number															Remarks																	
0848	3/23	S011	1	SB0200	11																																
0852	3/23	S011	1	SB0202	12																																
0855	3/23	S011	1	SB0204	13																																
0856	3/23	S011	1	SB0206	14																																
0907	3/23	S011	1	SB0207	15																																
0910	3/23	S011	1	SB0300	16																																
0915	3/23	S011	1	SB0302	17																																
0920	3/23	S011	1	SB0304	18																																
0925	3/23	S011	1	SB0306	19																																
0927	3/23	S011	1	SB0400	20																																
Additional Instructions:																																					
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Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only																									
<u>[Signature]</u>		3/24/22		11:26		<u>[Signature]</u>		3/24/22		11:26		Received on ice: <u>(Y)</u> N																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1																									
<u>[Signature]</u>		3/24/22		16:30		<u>[Signature]</u>		3/25/22		8:30		T2																									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T3																									
<u>[Signature]</u>						<u>[Signature]</u>						AVG Temp °C <u>4</u>																									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																					

envirotech

Envirotech Analytical Laboratory

Printed: 3/25/2022 11:51:34AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/25/22 08:30	Work Order ID:	E203158
Phone:	(505) 325-7535	Date Logged In:	03/25/22 09:25	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/31/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:

E203158 COC Page 1 & 2 of 8. E203159 COC page 3 & 4 of 8. E203160 COC page 5 & 6 of 8. E203161 COC page 7 & 8 of 8.

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

Date



envirotech Inc.

Report to:
Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider

Work Order: E203159

Job Number: 01058-0007

Received: 3/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/1/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider
Workorder: E203159
Date Received: 3/25/2022 8:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2022 8:30:00AM, under the Project Name: Tomb Raider.

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

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

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

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

Respectfully,

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported: 04/01/22 16:48
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB04 @ 2	E203159-01A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB04 @ 4	E203159-02A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB04 @ 6	E203159-03A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB04 @ 7	E203159-04A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB05 @ 0	E203159-05A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB05 @ 2	E203159-06A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB05 @ 4	E203159-07A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB05 @ 6	E203159-08A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB05 @ 7	E203159-09A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB06 @ 0	E203159-10A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB06 @ 2	E203159-11A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB06 @ 4	E203159-12A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB06 @ 6	E203159-13A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB07 @ 0	E203159-14A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB07 @ 2	E203159-15A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB07 @ 4	E203159-16A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB07 @ 6	E203159-17A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB08 @ 0	E203159-18A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB08 @ 2	E203159-19A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB08 @ 4	E203159-20A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB04 @ 2

E203159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: Bromofluorobenzene</i>	89.7 %	70-130		03/28/22	03/31/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130		03/28/22	03/31/22	
<i>Surrogate: Toluene-d8</i>	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: Bromofluorobenzene</i>	89.7 %	70-130		03/28/22	03/31/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	103 %	70-130		03/28/22	03/31/22	
<i>Surrogate: Toluene-d8</i>	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>	86.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	158	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB04 @ 4

E203159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	83.2 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	95.1	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB04 @ 6

E203159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	84.0 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	75.8	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB04 @ 7

E203159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.6 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	104 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	89.9 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	78.7	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB05 @ 0

E203159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.4 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	2080	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	4830	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	81.0 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	1190	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB05 @ 2

E203159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.8 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.8 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	84.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	42.8	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB05 @ 4

E203159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.8 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.8 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	76.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB05 @ 6

E203159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	69.3 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB05 @ 7

E203159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	69.4 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB06 @ 0

E203159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.0 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.0 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	153	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	230	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	78.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	186	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB06 @ 2

E203159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	92.1 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	77.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB06 @ 4

E203159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	79.4 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	27.0	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB06 @ 6

E203159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	75.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	30.8	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB07 @ 0

E203159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	91.7 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	449	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	183	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	76.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	651	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB07 @ 2

E203159-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	79.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB07 @ 4

E203159-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	88.9 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	95.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	88.9 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	95.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	89.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB07 @ 6

E203159-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	90.9 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	96.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	89.3 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB08 @ 0

E203159-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.3 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	1440	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	1120	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	81.4 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	1720	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB08 @ 2

E203159-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	91.5 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	105 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	98.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214029	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	81.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2214012	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:48:13PM

SB08 @ 4

E203159-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.6 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214005
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
Surrogate: Bromofluorobenzene	89.6 %	70-130		03/28/22	03/31/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		03/28/22	03/31/22	
Surrogate: Toluene-d8	97.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214029
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
Surrogate: n-Nonane	88.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2214012
Chloride	ND	20.0	1	03/28/22	03/30/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:48:13PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2214005-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.440		0.500		87.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			

LCS (2214005-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	2.61	0.0250	2.50		104	70-130			
Ethylbenzene	2.63	0.0250	2.50		105	70-130			
Toluene	2.62	0.0250	2.50		105	70-130			
o-Xylene	2.53	0.0250	2.50		101	70-130			
p,m-Xylene	5.11	0.0500	5.00		102	70-130			
Total Xylenes	7.64	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.474		0.500		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2214005-MS1)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	2.54	0.0250	2.50	ND	102	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	102	45-135			
Toluene	2.54	0.0250	2.50	ND	102	48-130			
o-Xylene	2.49	0.0250	2.50	ND	99.5	43-135			
p,m-Xylene	4.99	0.0500	5.00	ND	99.7	43-135			
Total Xylenes	7.48	0.0250	7.50	ND	99.7	43-135			
Surrogate: Bromofluorobenzene	0.480		0.500		95.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

Matrix Spike Dup (2214005-MSD1)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	2.65	0.0250	2.50	ND	106	48-131	4.25	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	3.98	27	
Toluene	2.66	0.0250	2.50	ND	106	48-130	4.50	24	
o-Xylene	2.56	0.0250	2.50	ND	102	43-135	2.77	27	
p,m-Xylene	5.19	0.0500	5.00	ND	104	43-135	3.90	27	
Total Xylenes	7.74	0.0250	7.50	ND	103	43-135	3.53	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:48:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214005-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.440		0.500		87.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.482		0.500		96.4	70-130			

LCS (2214005-BS2)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	56.3	20.0	50.0		113	70-130			
Surrogate: Bromofluorobenzene	0.469		0.500		93.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2214005-MS2)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	58.6	20.0	50.0	ND	117	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

Matrix Spike Dup (2214005-MSD2)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 04/01/22

Gasoline Range Organics (C6-C10)	58.2	20.0	50.0	ND	116	70-130	0.727	20	
Surrogate: Bromofluorobenzene	0.472		0.500		94.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:48:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214029-BLK1)

Prepared: 03/29/22 Analyzed: 03/31/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	37.1		50.0		74.2	50-200			

LCS (2214029-BS1)

Prepared: 03/29/22 Analyzed: 03/31/22

Diesel Range Organics (C10-C28)	430	25.0	500		86.0	38-132			
Surrogate: n-Nonane	31.1		50.0		62.3	50-200			

Matrix Spike (2214029-MS1)

Source: E203159-17

Prepared: 03/29/22 Analyzed: 03/31/22

Diesel Range Organics (C10-C28)	438	25.0	500	ND	87.6	38-132			
Surrogate: n-Nonane	27.8		50.0		55.6	50-200			

Matrix Spike Dup (2214029-MSD1)

Source: E203159-17

Prepared: 03/29/22 Analyzed: 03/31/22

Diesel Range Organics (C10-C28)	446	25.0	500	ND	89.2	38-132	1.80	20	
Surrogate: n-Nonane	40.0		50.0		79.9	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:48:13PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214012-BLK1)

Prepared: 03/28/22 Analyzed: 03/29/22

Chloride ND 20.0

LCS (2214012-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Chloride 253 20.0 250 101 90-110

Matrix Spike (2214012-MS1)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride 375 20.0 250 95.1 112 80-120

Matrix Spike Dup (2214012-MSD1)

Source: E203159-02

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride 373 20.0 250 95.1 111 80-120 0.733 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/01/22 16:48

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

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

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



Project Information

Chain of Custody

Page 3 of 8

STP 5 day

Client: <u>SMA</u>					Bill To					Lab Use Only				TAT		EPA Program								
Project: <u>Tomb Raider</u>					Attention: <u>Devon</u>					Lab WO# <u>PE 203159</u>				Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA				
Project Manager: <u>Ashley Maxwell</u>					Address:					Analysis and Method										State				
Address:					City, State, Zip															NM CO UT AZ				
City, State, Zip					Phone:															TX OK				
Phone:					Email:																			
Email:					WO# <u>20995421</u>																			
Report due by:																								
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX					Remarks					
0932	3/23	5011	1	SB04 w 2	1								X											
0935	3/23	5011	1	SB04 w 4	2								X											
0943	3/23	5011	1	SB04 w 6	3								X											
0944	3/23	5011	1	SB04 w 7	4								X											
0958	3/23	5011	1	SB05 w 0	5								X											
1020	3/23	5011	1	SB05 w 2	6								X											
1025	3/23	5011	1	SB05 w 4	7								X											
1030	3/23	5011	1	SB05 w 6	8								X											
1032	3/23	5011	1	SB05 w 7	9								X											
1035	3/23	5011	1	SB06 w 0	10								X											
Additional Instructions:																								
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 3 but less than 6 °C on subsequent days														
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u> Time <u>11:26</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u> Time <u>11:26</u>					Lab Use Only				
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u> Time <u>16:30</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3/25/22</u> Time <u>8:30</u>					Received on ice: <u>(Y)</u> N				
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u> Time <u>16:30</u>					Received by: (Signature) <u>[Signature]</u>					Date <u>3/25/22</u> Time <u>8:30</u>					T1 T2 T3				
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										AVG Temp °C <u>4</u>				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																								

envirotech

Project Information

Chain of Custody

Page 4 of 8

STP 5 day

Client: <u>SMA</u> Project: <u>Tomb Raider</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ WO# <u>20995421</u>					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10">Lab Use Only</th> <th colspan="2">TAT</th> <th colspan="4">EPA Program</th> </tr> <tr> <td colspan="5">Lab WO# <u>PE203159</u></td> <td colspan="5">Job Number <u>01058-0007</u></td> <td>1D</td> <td>3D</td> <td>RCRA</td> <td>CWA</td> <td>SDWA</td> </tr> <tr> <th colspan="12">Analysis and Method</th> <th colspan="4">State</th> </tr> <tr> <td rowspan="2">DRO/DRO by 8015</td> <td rowspan="2">GRO/DRO by 8015</td> <td rowspan="2">BTEX by 8021</td> <td rowspan="2">VOC by 8260</td> <td rowspan="2">Metals 6010</td> <td rowspan="2">Chloride 300.0</td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2"></td> <td rowspan="2">BGDOC - NM</td> <td rowspan="2">BGDOC - TX</td> <td>NM</td> <td>CO</td> <td>UT</td> <td>AZ</td> </tr> <tr> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>TX</td> <td>OK</td> <td></td> <td></td> </tr> </table>										Lab Use Only										TAT		EPA Program				Lab WO# <u>PE203159</u>					Job Number <u>01058-0007</u>					1D	3D	RCRA	CWA	SDWA	Analysis and Method												State				DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ	X																TX	OK		
Lab Use Only										TAT		EPA Program																																																																																										
Lab WO# <u>PE203159</u>					Job Number <u>01058-0007</u>					1D	3D	RCRA	CWA	SDWA																																																																																								
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1034	3/23	SOIL	1	SB06 w 2	11										X																																																																																							
1044	3/23	SOIL	1	SB06 w 4	12										X																																																																																							
1047	3/23	SOIL	1	SB06 w 6	13										X																																																																																							
1050	3/23	SOIL	1	SB07 w 0	14										X																																																																																							
1100	3/23	SOIL	1	SB07 w 2	15										X																																																																																							
1105	3/23	SOIL	1	SB07 w 4	16										X																																																																																							
1108	3/23	SOIL	1	SB07 w 6	17										X																																																																																							
1115	3/23	SOIL	1	SB08 w 0	18										X																																																																																							
1125	3/23	SOIL	1	SB08 w 2	19										X																																																																																							
1126	3/23	SOIL	1	SB08 w 4	20										X																																																																																							
Additional Instructions:																																																																																																						
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																																																																																										
Relinquished by: (Signature) _____		Date <u>3/24/22</u>		Time <u>11:26</u>		Received by: (Signature) _____		Date <u>3/24/22</u>		Time <u>11:26</u>		Lab Use Only Received on ice: <u>Y</u> / N																																																																																										
Relinquished by: (Signature) _____		Date <u>3/24/22</u>		Time <u>16:30</u>		Received by: (Signature) _____		Date <u>3/25/22</u>		Time <u>8:30</u>		T1 _____ T2 _____ T3 _____																																																																																										
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		AVG Temp °C <u>4</u>																																																																																										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																																																																																												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																																																																						

envirotech

Envirotech Analytical Laboratory

Printed: 3/25/2022 12:02:18PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/25/22 08:30	Work Order ID:	E203159
Phone:	(505) 325-7535	Date Logged In:	03/25/22 09:27	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/31/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:

E203158 COC Page 1 & 2 of 8. E203159 COC page 3 & 4 of 8. E203160 COC page 5 & 6 of 8. E203161 COC page 7 & 8 of 8.

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

Date



envirotech Inc.

Report to:
Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider

Work Order: E203160

Job Number: 01058-0007

Received: 3/25/2022

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/1/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider
Workorder: E203160
Date Received: 3/25/2022 8:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2022 8:30:00AM, under the Project Name: Tomb Raider.

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

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

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

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

Respectfully,

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

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

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ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported: 04/01/22 11:40
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB09 @ 0	E203160-01A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB09 @ 2	E203160-02A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB09 @ 4	E203160-03A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB10 @ 0	E203160-04A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB10 @ 2	E203160-05A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB10 @ 4	E203160-06A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB11 @ 0	E203160-07A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB11 @ 2	E203160-08A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB11 @ 4	E203160-09A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB12 @ 0	E203160-10A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB12 @ 2	E203160-11A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB12 @ 4	E203160-12A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB13 @ 0	E203160-13A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB13 @ 2	E203160-14A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB13 @ 4	E203160-15A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB13 @ 6	E203160-16A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB14 @ 0	E203160-17A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB14 @ 2	E203160-18A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB14 @ 4	E203160-19A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB15 @ 0	E203160-20A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB09 @ 0

E203160-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.4 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	217	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	161	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	84.4 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	316	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB09 @ 2

E203160-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.1 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214009
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB09 @ 4

E203160-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	87.5 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB10 @ 0

E203160-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/30/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/30/22	
Toluene	ND	0.0250	1	03/28/22	03/30/22	
o-Xylene	ND	0.0250	1	03/28/22	03/30/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/30/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/30/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.3 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/30/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.5 %	70-130		03/28/22	03/30/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	244	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	189	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>	93.5 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	611	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB10 @ 2

E203160-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	92.6 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB10 @ 4

E203160-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.1 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	81.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB11 @ 0

E203160-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	55.2	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	58.8	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	83.2 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	1380	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB11 @ 2

E203160-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	87.8 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB11 @ 4

E203160-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	87.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB12 @ 0

E203160-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	84.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214009
Chloride	438	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB12 @ 2

E203160-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	71.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB12 @ 4

E203160-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB13 @ 0

E203160-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	0.317	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	1.03	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	2.24	0.0500	1	03/28/22	03/31/22	
Total Xylenes	3.26	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	110 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	65.0	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	7380	1250	50	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	20900	2500	50	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	21000	400	20	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB13 @ 2

E203160-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	83.0 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	255	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB13 @ 4

E203160-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	96.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	94.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>	81.8 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	32.2	20.0	1	03/28/22	03/31/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB13 @ 6

E203160-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	87.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214009
Chloride	ND	20.0	1	03/28/22	03/31/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB14 @ 0

E203160-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	529	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	510	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>	79.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	4480	40.0	2	03/28/22	03/31/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB14 @ 2

E203160-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	91.4 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214009
Chloride	ND	20.0	1	03/28/22	03/31/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB14 @ 4

E203160-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214016
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214030
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	86.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214009
Chloride	32.4	20.0	1	03/28/22	03/31/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 11:40:34AM

SB15 @ 0

E203160-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214030	
Diesel Range Organics (C10-C28)	461	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	357	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214009	
Chloride	807	20.0	1	03/28/22	03/31/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 11:40:34AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214016-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.2	70-130			

LCS (2214016-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	4.72	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.2	70-130			
Toluene	5.11	0.0250	5.00		102	70-130			
o-Xylene	4.80	0.0250	5.00		95.9	70-130			
p,m-Xylene	9.86	0.0500	10.0		98.6	70-130			
Total Xylenes	14.7	0.0250	15.0		97.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.34		8.00		91.7	70-130			

Matrix Spike (2214016-MS1)

Source: E203160-04

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	4.94	0.0250	5.00	ND	98.9	54-133			
Ethylbenzene	5.09	0.0250	5.00	ND	102	61-133			
Toluene	5.35	0.0250	5.00	ND	107	61-130			
o-Xylene	5.03	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	15.4	0.0250	15.0	ND	102	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.45		8.00		93.1	70-130			

Matrix Spike Dup (2214016-MSD1)

Source: E203160-04

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	4.82	0.0250	5.00	ND	96.4	54-133	2.53	20	
Ethylbenzene	4.97	0.0250	5.00	ND	99.5	61-133	2.27	20	
Toluene	5.21	0.0250	5.00	ND	104	61-130	2.61	20	
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131	2.31	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	2.34	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	2.33	20	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 11:40:34AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214016-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			

LCS (2214016-BS2)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0		89.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.04		8.00		101	70-130			

Matrix Spike (2214016-MS2)

Source: E203160-04

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.48		8.00		106	70-130			

Matrix Spike Dup (2214016-MSD2)

Source: E203160-04

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	51.0	20.0	50.0	ND	102	70-130	3.02	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.71		8.00		109	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 11:40:34AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214030-BLK1)

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	37.3		50.0		74.6	50-200			

LCS (2214030-BS1)

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	469	25.0	500		93.8	38-132			
Surrogate: <i>n</i> -Nonane	38.0		50.0		76.0	50-200			

Matrix Spike (2214030-MS1)

Source: E203160-11

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	483	25.0	500	ND	96.6	38-132			
Surrogate: <i>n</i> -Nonane	27.6		50.0		55.1	50-200			

Matrix Spike Dup (2214030-MSD1)

Source: E203160-11

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	488	25.0	500	ND	97.6	38-132	1.08	20	
Surrogate: <i>n</i> -Nonane	41.4		50.0		82.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 11:40:34AM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2214009-BLK1)					Prepared: 03/28/22 Analyzed: 03/30/22				
Chloride	ND	20.0							
LCS (2214009-BS1)					Prepared: 03/28/22 Analyzed: 03/30/22				
Chloride	260	20.0	250		104	90-110			
Matrix Spike (2214009-MS1)					Source: E203160-01		Prepared: 03/28/22 Analyzed: 03/30/22		
Chloride	572	20.0	250	316	102	80-120			
Matrix Spike Dup (2214009-MSD1)					Source: E203160-01		Prepared: 03/28/22 Analyzed: 03/30/22		
Chloride	540	20.0	250	316	89.8	80-120	5.68	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/01/22 11:40

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

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

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



Project Information

Chain of Custody

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STP5day

Client: <u>SMA</u>				Bill To				Lab Use Only				TAT		EPA Program							
Project: <u>Tomb Raider</u>				Attention: <u>Devon</u>				Lab WO# <u>PE203160</u>				Job Number <u>9058-0007</u>		1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Ashley Maxwell</u>				Address:				Analysis and Method								State					
Address:				City, State, Zip				DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX		NM	CO	UT	AZ
City, State, Zip				Phone:														TX	OK		
Email:				Email:																	
Report due by:				WO# <u>20995421</u>																	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																Remarks
1129	3/23	SOIL	1	SB09 20	1										X						
1131	3/23	SOIL	1	SB09 22	2										X						
1135	3/23	SOIL	1	SB09 24	3										X						
1140	3/23	SOIL	1	SB10 20	4										X						
1145	3/23	SOIL	1	SB10 22	5										X						
1150	3/23	SOIL	1	SB10 24	6										X						
1152	3/23	SOIL	1	SB11 20	7										X						
1158	3/23	SOIL	1	SB11 22	8										X						
1203	3/23	SOIL	1	SB11 24	9										X						
1240	3/23	SOIL	1	SB12 20	10										X						
Additional Instructions:																					
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days									
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>3/24/22</u>		Time <u>11:26</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>3/24/22</u>		Time <u>11:26</u>		Lab Use Only					
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>3/24/22</u>		Time <u>16:30</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>3/25/22</u>		Time <u>8:30</u>		Received on ice: <u>Y</u> N					
Relinquished by: (Signature) <u>[Signature]</u>				Date <u>3/24/22</u>		Time <u>16:30</u>		Received by: (Signature) <u>[Signature]</u>				Date <u>3/25/22</u>		Time <u>8:30</u>		T1 _____ T2 _____ T3 _____					
												AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

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Project Information

Chain of Custody

Page 6 of 8

STP 5day

Client: <u>SMA</u> Project: <u>Comb Raider</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>WO# 20995471</u>					Lab Use Only						TAT		EPA Program								
										Lab WO# <u>PE203160</u>			Job Number <u>01058-0007</u>			1D	3D	RCRA	CWA	SDWA						
										Analysis and Method											State					
										DRD/ORD by 8015	GRO/ORD by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BCDOC - NM	BCDOC - TX			NM	CO	UT	AZ		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																					
1249	3/23	5011	1	SB1202	11												X									
1251	3/23	5011	1	SB1204	12												X									
1256	3/23	5011	1	SB1300	13												X									
1300	3/23	5011	1	SB1302	14												X									
1305	3/23	5011	1	SB1304	15												X									
1307	3/23	5011	1	SB1306	16												X									
1310	3/23	5011	1	SB1400	17												X									
1315	3/23	5011	1	SB1402	18												X									
1320	3/23	5011	1	SB1404	19												X									
1324	3/23	5011	1	SB1500	20												X									
Additional Instructions:																										
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.											
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u>		Time <u>11:26</u>		Received by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u>		Time <u>11:26</u>		Lab Use Only Received on ice: <u>(Y)</u> / N								
Relinquished by: (Signature) <u>[Signature]</u>					Date <u>3/24/22</u>		Time <u>16:30</u>		Received by: (Signature) <u>[Signature]</u>					Date <u>3/25/22</u>		Time <u>8:30</u>		T1 _____ T2 _____ T3 _____								
Relinquished by: (Signature) _____					Date _____		Time _____		Received by: (Signature) _____					Date _____		Time _____		AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA											
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																										

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Envirotech Analytical Laboratory

Printed: 3/25/2022 12:13:44PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/25/22 08:30	Work Order ID:	E203160
Phone:	(505) 325-7535	Date Logged In:	03/25/22 09:27	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/31/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Carrier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider

Work Order: E203161

Job Number: 01058-0007

Received: 3/25/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/1/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/1/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider
Workorder: E203161
Date Received: 3/25/2022 8:30:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/25/2022 8:30:00AM, under the Project Name: Tomb Raider.

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

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

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

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

Respectfully,

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

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

Alexa Michaels
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labadmin@envirotech-inc.com

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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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SB16 @ 2	9
SB16 @ 4	10
SB17 @ 0	11
SB17 @ 2	12
SB17 @ 4	13
SB18 @ 0	14
SB18 @ 2	15
SB18 @ 4	16
SB19 @ 0	17
SB19 @ 2	18
SB19 @ 4	19
SB20 @ 0	20
SB20 @ 2	21
SB20 @ 4	22
SB21 @ 0	23
SB21 @ 2	24
SB21 @ 4	25

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported: 04/01/22 16:53
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB15 @ 2	E203161-01A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB15 @ 4	E203161-02A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB16 @ 0	E203161-03A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB16 @ 2	E203161-04A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB16 @ 4	E203161-05A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB17 @ 0	E203161-06A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB17 @ 2	E203161-07A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB17 @ 4	E203161-08A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB18 @ 0	E203161-09A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB18 @ 2	E203161-10A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB18 @ 4	E203161-11A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB19 @ 0	E203161-12A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB19 @ 2	E203161-13A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB19 @ 4	E203161-14A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB20 @ 0	E203161-15A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB20 @ 2	E203161-16A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB20 @ 4	E203161-17A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB21 @ 0	E203161-18A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB21 @ 2	E203161-19A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.
SB21 @ 4	E203161-20A	Soil	03/23/22	03/25/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB15 @ 2

E203161-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
	86.4 %	50-200		03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB15 @ 4

E203161-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		83.3 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB16 @ 0

E203161-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	57.9	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	50.8	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		79.7 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	171	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB16 @ 2

E203161-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.1 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/30/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/30/22	
<i>Surrogate: n-Nonane</i>						
		85.7 %	50-200	03/29/22	03/30/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB16 @ 4

E203161-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		92.7 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB17 @ 0

E203161-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	657	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	506	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		85.3 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	350	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB17 @ 2

E203161-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		86.4 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB17 @ 4

E203161-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.8 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		88.5 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB18 @ 0

E203161-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	520	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	425	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		86.3 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	351	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB18 @ 2

E203161-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	04/01/22	
Ethylbenzene	ND	0.0250	1	03/28/22	04/01/22	
Toluene	ND	0.0250	1	03/28/22	04/01/22	
o-Xylene	ND	0.0250	1	03/28/22	04/01/22	
p,m-Xylene	ND	0.0500	1	03/28/22	04/01/22	
Total Xylenes	ND	0.0250	1	03/28/22	04/01/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	04/01/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.2 %	70-130	03/28/22	04/01/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
		84.2 %	50-200	03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB18 @ 4

E203161-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	85.3 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB19 @ 0

E203161-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	91.4	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	76.6 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	139	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB19 @ 2

E203161-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	83.9 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB19 @ 4

E203161-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.3 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB20 @ 0

E203161-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	82.3 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	36.7	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB20 @ 2

E203161-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	95.4 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB20 @ 4

E203161-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB21 @ 0

E203161-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.4 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2214017
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2214031
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	87.7 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2214008
Chloride	4330	40.0	2	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB21 @ 2

E203161-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	89.1 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	72.7	20.0	1	03/28/22	03/30/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
4/1/2022 4:53:34PM

SB21 @ 4

E203161-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Benzene	ND	0.0250	1	03/28/22	03/31/22	
Ethylbenzene	ND	0.0250	1	03/28/22	03/31/22	
Toluene	ND	0.0250	1	03/28/22	03/31/22	
o-Xylene	ND	0.0250	1	03/28/22	03/31/22	
p,m-Xylene	ND	0.0500	1	03/28/22	03/31/22	
Total Xylenes	ND	0.0250	1	03/28/22	03/31/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2214017	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/28/22	03/31/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		03/28/22	03/31/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2214031	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/29/22	03/31/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/29/22	03/31/22	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		03/29/22	03/31/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2214008	
Chloride	ND	20.0	1	03/28/22	03/30/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:53:34PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214017-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.19		8.00		102	70-130			

LCS (2214017-BS1)

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	4.87	0.0250	5.00		97.3	70-130			
Toluene	5.09	0.0250	5.00		102	70-130			
o-Xylene	5.09	0.0250	5.00		102	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			

Matrix Spike (2214017-MS1)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	5.06	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133			
Toluene	4.98	0.0250	5.00	ND	99.7	61-130			
o-Xylene	4.95	0.0250	5.00	ND	99.0	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

Matrix Spike Dup (2214017-MSD1)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/31/22

Benzene	4.34	0.0250	5.00	ND	86.7	54-133	15.4	20	
Ethylbenzene	4.06	0.0250	5.00	ND	81.2	61-133	15.7	20	
Toluene	4.26	0.0250	5.00	ND	85.2	61-130	15.6	20	
o-Xylene	4.24	0.0250	5.00	ND	84.8	63-131	15.4	20	
p,m-Xylene	8.37	0.0500	10.0	ND	83.7	63-131	15.7	20	
Total Xylenes	12.6	0.0250	15.0	ND	84.1	63-131	15.6	20	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:53:34PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214017-BLK1)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

LCS (2214017-BS2)

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	58.8	20.0	50.0		118	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.8	70-130			

Matrix Spike (2214017-MS2)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	54.4	20.0	50.0	ND	109	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130			

Matrix Spike Dup (2214017-MSD2)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/31/22

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130	1.87	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.6	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:53:34PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214031-BLK1)

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	37.8		50.0		75.6	50-200			

LCS (2214031-BS1)

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	377	25.0	500		75.4	38-132			
Surrogate: <i>n</i> -Nonane	33.0		50.0		65.9	50-200			

Matrix Spike (2214031-MS1)

Source: E203161-20

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	397	25.0	500	ND	79.5	38-132			
Surrogate: <i>n</i> -Nonane	33.1		50.0		66.1	50-200			

Matrix Spike Dup (2214031-MSD1)

Source: E203161-20

Prepared: 03/29/22 Analyzed: 03/30/22

Diesel Range Organics (C10-C28)	405	25.0	500	ND	81.0	38-132	1.85	20	
Surrogate: <i>n</i> -Nonane	40.3		50.0		80.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/1/2022 4:53:34PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2214008-BLK1)

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride ND 20.0

LCS (2214008-BS1)

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride 254 20.0 250 102 90-110

Matrix Spike (2214008-MS1)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride 268 20.0 250 ND 107 80-120

Matrix Spike Dup (2214008-MSD1)

Source: E203161-01

Prepared: 03/28/22 Analyzed: 03/30/22

Chloride 267 20.0 250 ND 107 80-120 0.186 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/01/22 16:53

- 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.



Project Information

Chain of Custody

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STD 5 day

Client: <u>SMA</u> Project: <u>Tomb Raider</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: _____				Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>WO# 2099 5421</u>				Lab Use Only				TAT		EPA Program			
								Lab WO# <u>PE 203161</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA	
Analysis and Method										State							
DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC - NM BDOC - TX										NM	CO	UT	AZ				
										TX	OK						
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks											
1330	3/23	soil	1	SB15 w 2	1												
1333	3/23	soil	1	SB15 w 4	2												
1335	3/23	soil	1	SB16 w 0	3												
1340	3/23	soil	1	SB16 w 2	4												
1348	3/23	soil	1	SB16 w 4	5												
1400	3/23	soil	1	SB17 w 0	6												
1407	3/23	soil	1	SB17 w 2	7												
1410	3/23	soil	1	SB17 w 4	8												
1410	3/23	soil	1	SB18 w 0	9												
1415	3/23	soil	1	SB18 w 2	10												
Additional Instructions:																	
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days							
Relinquished by: (Signature) _____		Date <u>03/24/22</u>		Time <u>11:26</u>		Received by: (Signature) <u>J.R. Bralley</u>		Date <u>03/24/22</u>		Time <u>11:26</u>		Lab Use Only					
Relinquished by: (Signature) <u>J.R. Bralley</u>		Date <u>3/24/22</u>		Time <u>16:30</u>		Received by: (Signature) <u>Carlin Chute</u>		Date <u>3/25/22</u>		Time <u>8:30</u>		Received on ice: <u>Y</u> / N					
Relinquished by: (Signature) _____		Date _____		Time _____		Received by: (Signature) _____		Date _____		Time _____		T1 _____ T2 _____ T3 _____					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

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Project Information

Chain of Custody

Page 8 of 8

STP 5 day

Client: <u>SMA</u>				Bill To				Lab Use Only				TAT		EPA Program							
Project: <u>15mb Radar</u>				Attention: <u>Devon</u>				Lab WO# <u>PE203161</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA					
Project Manager: <u>Ashley Maxwell</u>				Address:				Analysis and Method								State					
Address:				City, State, Zip				DIPO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 0010	Chloride 300.0		BGDO: NM	BGDO: TX		NM	CO	UT	AZ
City, State, Zip				Phone:														X			
Email:				Email:														TX	OK		
Report due by:				WO# <u>20995421</u>																	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number																Remarks
1417	3/23	SO11	1	SB18W4	11																
1420	3/23	SO11	1	SB19W0	12																
1425	3/23	SO11	1	SB19W2	13																
1427	3/23	SO11	1	SB19W4	14																
1430	3/23	SO11	1	SB20W0	15																
1436	3/23	SO11	1	SB20W2	16																
1438	3/23	SO11	1	SB20W4	17																
1440	3/23	SO11	1	SB21W0	18																
1444	3/23	SO11	1	SB21W2	19																
1447	3/23	SO11	1	SB21W4	20																
Additional Instructions:																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only									
<u>[Signature]</u>		<u>3/24/22</u>		<u>11:26</u>		<u>[Signature]</u>		<u>3/24/22</u>		<u>11:26</u>		Received on ice: <u>Y</u> / N									
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____									
<u>[Signature]</u>		<u>3/24/22</u>		<u>16:30</u>		<u>[Signature]</u>		<u>3/25/22</u>		<u>8:30</u>											
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>									
<u>[Signature]</u>		<u>3/24/22</u>		<u>16:30</u>		<u>[Signature]</u>		<u>3/25/22</u>		<u>8:30</u>											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

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Envirotech Analytical Laboratory

Printed: 3/25/2022 12:22:39PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/25/22 08:30	Work Order ID:	E203161
Phone:	(505) 325-7535	Date Logged In:	03/25/22 09:28	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/31/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CarrierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:

E203158 COC Page 1 & 2 of 8. E203159 COC page 3 & 4 of 8. E203160 COC page 5 & 6 of 8. E203161 COC page 7 & 8 of 8.

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

Date



envirotech Inc.

Report to:
Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12 Fed # 62H

Work Order: E205159

Job Number: 01058-0007

Received: 5/31/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/7/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12 Fed # 62H
Workorder: E205159
Date Received: 5/31/2022 8:45:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/31/2022 8:45:00AM, under the Project Name: Tomb Raider 1-12 Fed # 62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12 Fed # 62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	06/07/22 10:42

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH22 @ 0'	E205159-01A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH22 @ 8"	E205159-02A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH23 @ 0'	E205159-03A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH23 @ 8"	E205159-04A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH24 @ 0'	E205159-05A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH24 @ 1'	E205159-06A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH25 @ 0'	E205159-07A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH26 @ 0'	E205159-08A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH27 @ 0'	E205159-09A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH28 @ 0'	E205159-10A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH29 @ 0'	E205159-11A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH30 @ 0'	E205159-12A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH31 @ 0'	E205159-13A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH31 @ 8"	E205159-14A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH32 @ 0'	E205159-15A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH32 @ 1'	E205159-16A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH33 @ 0'	E205159-17A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH33 @ 1'	E205159-18A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH34 @ 0'	E205159-19A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH34 @ 1'	E205159-20A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH35 @ 0'	E205159-21A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH35 @ 1'	E205159-22A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH36 @ 0'	E205159-23A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.
BH36 @ 1'	E205159-24A	Soil	05/26/22	05/31/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH22 @ 0'

E205159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	134	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	274	50.0	1	06/03/22	06/03/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	9870	400	20	06/03/22	06/06/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH22 @ 8"

E205159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.9 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/03/22	
<i>Surrogate: n-Nonane</i>	95.8 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	530	20.0	1	06/03/22	06/06/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH23 @ 0'

E205159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.9 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	845	25.0	1	06/03/22	06/03/22	
Oil Range Organics (C28-C36)	762	50.0	1	06/03/22	06/03/22	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		06/03/22	06/03/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	1040	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH23 @ 8"

E205159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.3 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.2 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	28.4	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	87.1 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	167	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH24 @ 0'

E205159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	229	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	467	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	1280	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH24 @ 1'

E205159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.6 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	39.0	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH25 @ 0'

E205159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.1 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	517	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH26 @ 0'

E205159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		93.7 %	70-130	06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.3 %	70-130	06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	91.2	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	177	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>		102 %	50-200	06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	449	20.0	1	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH27 @ 0'

E205159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.2 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.8 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	45.3	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	67.9	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	98.6 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	2240	40.0	2	06/03/22	06/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH28 @ 0'

E205159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.0 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.2 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	49.6	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	95.4	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	103 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	786	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH29 @ 0'

E205159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	74.7	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH30 @ 0'

E205159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.7 %	70-130	06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.6 %	70-130	06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	43.1	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	79.5	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	352	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH31 @ 0'

E205159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/03/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/03/22	
Toluene	ND	0.0250	1	06/03/22	06/03/22	
o-Xylene	ND	0.0250	1	06/03/22	06/03/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/03/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/03/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	93.7 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/03/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	91.4 %	70-130		06/03/22	06/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	101 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	333	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH31 @ 8'

E205159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	ND	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH32 @ 0'

E205159-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	53.4	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH32 @ 1'

E205159-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	99.3 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	ND	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH33 @ 0'

E205159-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.1 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	35.5	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH33 @ 1'

E205159-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.0 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	97.2 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	ND	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH34 @ 0'

E205159-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.4 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223050	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.2 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223054	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	104 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2223051	
Chloride	66.3	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH34 @ 1'

E205159-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Benzene	ND	0.0250	1	06/03/22	06/04/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/04/22	
Toluene	ND	0.0250	1	06/03/22	06/04/22	
o-Xylene	ND	0.0250	1	06/03/22	06/04/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/04/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.8 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223050
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/03/22	06/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223054
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	97.4 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2223051
Chloride	ND	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH35 @ 0'

E205159-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223052	
Benzene	ND	0.0250	1	06/03/22	06/06/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	
Toluene	ND	0.0250	1	06/03/22	06/06/22	
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	<i>90.1 %</i>	<i>70-130</i>		<i>06/03/22</i>	<i>06/06/22</i>	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	<i>85.9 %</i>	<i>70-130</i>		<i>06/03/22</i>	<i>06/06/22</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223055	
Diesel Range Organics (C10-C28)	142	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	81.8	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	<i>105 %</i>	<i>50-200</i>		<i>06/03/22</i>	<i>06/04/22</i>	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2223064	
Chloride	313	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH35 @ 1'

E205159-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223052
Benzene	ND	0.0250	1	06/03/22	06/06/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	
Toluene	ND	0.0250	1	06/03/22	06/06/22	
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223052
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	84.2 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	94.7 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2223064
Chloride	ND	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH36 @ 0'

E205159-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2223052	
Benzene	ND	0.0250	1	06/03/22	06/06/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	
Toluene	ND	0.0250	1	06/03/22	06/06/22	
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	92.0 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2223052	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.3 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2223055	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>	102 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2223064	
Chloride	109	20.0	1	06/03/22	06/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/7/2022 10:42:27AM

BH36 @ 1'

E205159-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223052
Benzene	ND	0.0250	1	06/03/22	06/06/22	
Ethylbenzene	ND	0.0250	1	06/03/22	06/06/22	
Toluene	ND	0.0250	1	06/03/22	06/06/22	
o-Xylene	ND	0.0250	1	06/03/22	06/06/22	
p,m-Xylene	ND	0.0500	1	06/03/22	06/06/22	
Total Xylenes	ND	0.0250	1	06/03/22	06/06/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2223052
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/22	06/06/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		06/03/22	06/06/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2223055
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/22	06/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/22	06/04/22	
<i>Surrogate: n-Nonane</i>						
	96.7 %	50-200		06/03/22	06/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2223064
Chloride	ND	20.0	1	06/03/22	06/04/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223050-BLK1)

Prepared: 06/03/22 Analyzed: 06/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			

LCS (2223050-BS1)

Prepared: 06/03/22 Analyzed: 06/03/22

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	4.68	0.0250	5.00		93.7	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130			
Total Xylenes	14.5	0.0250	15.0		96.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.9	70-130			

Matrix Spike (2223050-MS1)

Source: E205159-01

Prepared: 06/03/22 Analyzed: 06/03/22

Benzene	5.73	0.0250	5.00	ND	115	54-133			
Ethylbenzene	5.15	0.0250	5.00	ND	103	61-133			
Toluene	5.50	0.0250	5.00	ND	110	61-130			
o-Xylene	5.33	0.0250	5.00	ND	107	63-131			
p,m-Xylene	10.6	0.0500	10.0	ND	106	63-131			
Total Xylenes	15.9	0.0250	15.0	ND	106	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.3	70-130			

Matrix Spike Dup (2223050-MSD1)

Source: E205159-01

Prepared: 06/03/22 Analyzed: 06/03/22

Benzene	5.41	0.0250	5.00	ND	108	54-133	5.88	20	
Ethylbenzene	4.87	0.0250	5.00	ND	97.3	61-133	5.72	20	
Toluene	5.20	0.0250	5.00	ND	104	61-130	5.76	20	
o-Xylene	5.04	0.0250	5.00	ND	101	63-131	5.60	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	5.65	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	5.63	20	
Surrogate: 4-Bromochlorobenzene-PID	7.76		8.00		97.0	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223052-BLK1)

Prepared: 06/03/22 Analyzed: 06/06/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.1	70-130			

LCS (2223052-BS1)

Prepared: 06/03/22 Analyzed: 06/06/22

Benzene	5.61	0.0250	5.00		112	70-130			
Ethylbenzene	5.57	0.0250	5.00		111	70-130			
Toluene	5.92	0.0250	5.00		118	70-130			
o-Xylene	5.46	0.0250	5.00		109	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
Total Xylenes	16.7	0.0250	15.0		112	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.3	70-130			

Matrix Spike (2223052-MS1)

Source: E205159-21

Prepared: 06/03/22 Analyzed: 06/06/22

Benzene	5.66	0.0250	5.00	ND	113	54-133			
Ethylbenzene	5.58	0.0250	5.00	ND	112	61-133			
Toluene	5.94	0.0250	5.00	ND	119	61-130			
o-Xylene	5.47	0.0250	5.00	ND	109	63-131			
p,m-Xylene	11.3	0.0500	10.0	ND	113	63-131			
Total Xylenes	16.8	0.0250	15.0	ND	112	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.3	70-130			

Matrix Spike Dup (2223052-MSD1)

Source: E205159-21

Prepared: 06/03/22 Analyzed: 06/06/22

Benzene	5.70	0.0250	5.00	ND	114	54-133	0.774	20	
Ethylbenzene	5.64	0.0250	5.00	ND	113	61-133	1.09	20	
Toluene	6.01	0.0250	5.00	ND	120	61-130	1.19	20	
o-Xylene	5.53	0.0250	5.00	ND	111	63-131	1.06	20	
p,m-Xylene	11.4	0.0500	10.0	ND	114	63-131	1.33	20	
Total Xylenes	17.0	0.0250	15.0	ND	113	63-131	1.24	20	
Surrogate: 4-Bromochlorobenzene-PID	7.28		8.00		91.0	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223050-BLK1)

Prepared: 06/03/22 Analyzed: 06/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			

LCS (2223050-BS2)

Prepared: 06/03/22 Analyzed: 06/03/22

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.44		8.00		93.0	70-130			

Matrix Spike (2223050-MS2)

Source: E205159-01

Prepared: 06/03/22 Analyzed: 06/03/22

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0	ND	105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.2	70-130			

Matrix Spike Dup (2223050-MSD2)

Source: E205159-01

Prepared: 06/03/22 Analyzed: 06/03/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130	2.07	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223052-BLK1)

Prepared: 06/03/22 Analyzed: 06/06/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.7	70-130			

LCS (2223052-BS2)

Prepared: 06/03/22 Analyzed: 06/06/22

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0		80.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		8.00		87.2	70-130			

Matrix Spike (2223052-MS2)

Source: E205159-21

Prepared: 06/03/22 Analyzed: 06/06/22

Gasoline Range Organics (C6-C10)	42.7	20.0	50.0	ND	85.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.79		8.00		84.9	70-130			

Matrix Spike Dup (2223052-MSD2)

Source: E205159-21

Prepared: 06/03/22 Analyzed: 06/06/22

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130	0.178	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.83		8.00		85.4	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223054-BLK1)

Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	49.2		50.0		98.4	50-200			

LCS (2223054-BS1)

Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	469	25.0	500		93.7	38-132			
Surrogate: <i>n</i> -Nonane	45.2		50.0		90.4	50-200			

Matrix Spike (2223054-MS1)

Source: E205159-03

Prepared: 06/03/22 Analyzed: 06/06/22

Diesel Range Organics (C10-C28)	1150	25.0	500	845	61.8	38-132			
Surrogate: <i>n</i> -Nonane	46.3		50.0		92.7	50-200			

Matrix Spike Dup (2223054-MSD1)

Source: E205159-03

Prepared: 06/03/22 Analyzed: 06/06/22

Diesel Range Organics (C10-C28)	994	25.0	500	845	29.8	38-132	14.9	20	M2
Surrogate: <i>n</i> -Nonane	55.4		50.0		111	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223055-BLK1) Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.6		50.0		97.2	50-200			

LCS (2223055-BS1) Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	471	25.0	500		94.2	38-132			
Surrogate: n-Nonane	45.1		50.0		90.3	50-200			

Matrix Spike (2223055-MS1) Source: E205159-24 Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	497	25.0	500	ND	99.5	38-132			
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			

Matrix Spike Dup (2223055-MSD1) Source: E205159-24 Prepared: 06/03/22 Analyzed: 06/03/22

Diesel Range Organics (C10-C28)	492	25.0	500	ND	98.5	38-132	1.00	20	
Surrogate: n-Nonane	48.4		50.0		96.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223051-BLK1)					Prepared: 06/03/22 Analyzed: 06/03/22				
Chloride	ND	20.0							
LCS (2223051-BS1)					Prepared: 06/03/22 Analyzed: 06/03/22				
Chloride	235	20.0	250		93.9	90-110			
LCS Dup (2223051-BSD1)					Prepared: 06/03/22 Analyzed: 06/06/22				
Chloride	244	20.0	250		97.6	90-110	3.84	20	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/7/2022 10:42:27AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2223064-BLK1)

Prepared: 06/03/22 Analyzed: 06/04/22

Chloride ND 20.0

LCS (2223064-BS1)

Prepared: 06/03/22 Analyzed: 06/04/22

Chloride 266 20.0 250 106 90-110

Matrix Spike (2223064-MS1)

Source: E206003-01

Prepared: 06/03/22 Analyzed: 06/04/22

Chloride 332 20.0 250 35.0 119 80-120

Matrix Spike Dup (2223064-MSD1)

Source: E206003-01

Prepared: 06/03/22 Analyzed: 06/04/22

Chloride 304 20.0 250 35.0 108 80-120 8.66 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	06/07/22 10:42

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 01 of 3

Client: <u>Souder, Miller & Associates</u>					Bill To		Lab Use Only		TAT		EPA Program				
Project: <u>Tomb Raider 1-12 Fed # 424</u>					Attention: <u>Devon</u>		Lab WO# <u>PE205159</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA
Project Manager: <u>Ashley Maxwell</u>					Address:		Analysis and Method				State				
Address: <u>201 S. Haldagueno</u>					City, State, Zip										
City, State, Zip: <u>Carlsbad, NM 88220</u>					Phone:						NM CO UT AZ				
Phone: <u>(505) 320-0975</u>					Email:						TX OK				
Email: <u>Ashley.Maxwell@soudermiller.com</u>					Report due by:										
WO # <u>20995421</u>															
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks	
0918	5/26/22	S	1	BH22@0'	1							X			
1034	5/26/22	S	1	BH22@8"	2							X			
0920	5/26/22	S	1	BH23@0'	3							X			
1030	5/26/22	S	1	BH23@8"	4							X			
0923	5/26/22	S	1	BH24@0'	5							X			
1025	5/26/22	S	1	BH24@1'	6							X			
0940	5/26/22	S	1	BH25@0'	7							X			
0943	5/26/22	S	1	BH26@0'	8							X			
0946	5/26/22	S	1	BH27@0'	9							X			
1000	5/26/22	S	1	BH28@0'	10							X			
Additional Instructions:															
(field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____ Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only							
<u>[Signature]</u>		5/26/22	1700	<u>[Signature]</u>		5-26-22	17:00	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N							
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____							
<u>[Signature]</u>		5-27-22	1:45p	<u>[Signature]</u>		5/31/22	8:45								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>							
<u>[Signature]</u>				<u>[Signature]</u>				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.															

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Project Information

Chain of Custody

Page 02 of 3

Client: <u>Souder, Miller & Associates</u>				Bill To		Lab Use Only		TAT <u>5-day</u>		EPA Program						
Project: <u>Tomb Raider 1-12 Fed #624</u>				Attention: <u>Devon</u>		Lab WO# <u>PE 205159</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA		
Project Manager: <u>Ashley Maxwell</u>				Address:		Analysis and Method								State		
Address: <u>201 S. Halagueno</u>				City, State, Zip												
City, State, Zip <u>Carlsbad, NM 88220</u>				Phone:												
Phone: <u>(505) 320-8975</u>				Email:												
Email: <u>Ashley.Maxwell@soudermiller.com</u>				Report due by:												
WO # <u>20995421</u>																

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOX - NM	BGDOX - TX	Remarks
1002	5/24/22	S	1	BH29@0'	11							X		
1016	5/26/22	S	1	BH30@0'	12							X		
1054	5/26/22	S	1	BH31@0'	13							X		
1059	5/26/22	S	1	BH31@8"	14									Hold
1108	5/26/22	S	1	BH32@0'	15							X		
1110	5/26/22	S	1	BH32@1'	16									Hold
1124	5/26/22	S	1	BH33@0'	17							X		
1125	5/26/22	S	1	BH33@1'	18									Hold
1128	5/26/22	S	1	BH34@0'	19							X		
1130	5/26/22	S	1	BH34@1'	20									Hold

Additional Instructions:

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

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>Heath M. W.</u>	<u>5/26/22</u>	<u>1700</u>	<u>Revised M...</u>	<u>5-26-22</u>	<u>17:00</u>	Received on ice: <u>(Y)</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<u>Leguizam...</u>	<u>5-27-22</u>	<u>1:45</u>	<u>Carla Ch...</u>	<u>5/31/22</u>	<u>8:45</u>	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
						AVG Temp °C <u>4</u>

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

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

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

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[illegible]

Envirotech Analytical Laboratory

Printed: 6/1/2022 3:58:38PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	05/31/22 08:45	Work Order ID:	E205159
Phone:	(505) 325-7535	Date Logged In:	05/31/22 09:38	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	06/06/22 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Samples 14,16,18,20,22 and 24 on hold.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12 Fed # 62H

Work Order: E209067

Job Number: 01058-0007

Received: 9/15/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/16/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/16/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12 Fed # 62H
Workorder: E209067
Date Received: 9/15/2022 10:40:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/15/2022 10:40:00AM, under the Project Name: Tomb Raider 1-12 Fed # 62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12 Fed # 62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/16/22 15:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS01	E209067-01A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS02	E209067-02A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS03	E209067-03A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS04	E209067-04A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS05	E209067-05A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS06	E209067-06A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS07	E209067-07A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS08	E209067-08A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS09	E209067-09A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS10	E209067-10A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS11	E209067-11A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS12	E209067-12A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS13	E209067-13A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS14	E209067-14A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS15	E209067-15A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS16	E209067-16A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS17	E209067-17A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS18	E209067-18A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS19	E209067-19A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.
CS20	E209067-20A	Soil	09/12/22	09/15/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/16/2022 3:40:21PM

CS01

E209067-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	97.8 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.9 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	57.2	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	53.8	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	75.8 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	676	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS02

E209067-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.0 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.8 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	76.8 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	5850	100	5	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS03

E209067-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.0 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	52.4	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	84.0 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	5060	40.0	2	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS04

E209067-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		98.1 %	70-130	09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.9 %	70-130	09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	133	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	109	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>						
		82.5 %	50-200	09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	7110	100	5	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS05

E209067-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.1 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.7 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	206	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	173	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	84.9 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	3220	40.0	2	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS06

E209067-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.1 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	186	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	163	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	85.2 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	1220	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS07

E209067-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.9 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	105	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	94.0	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	82.6 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	8500	100	5	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS08

E209067-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/15/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/15/22	
Toluene	ND	0.0250	1	09/15/22	09/15/22	
o-Xylene	ND	0.0250	1	09/15/22	09/15/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/15/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/15/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.2 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/15/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.7 %	70-130		09/15/22	09/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	47.4	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	50.3	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	85.9 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	2400	40.0	2	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS09

E209067-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/15/22	
<i>Surrogate: n-Nonane</i>	87.8 %	50-200		09/15/22	09/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	46.7	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS10

E209067-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	83.0 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>	86.9 %	50-200		09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS11

E209067-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	82.0 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238057
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>						
	88.1 %	50-200		09/15/22	09/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238062
Chloride	ND	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS12

E209067-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.6 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>	87.9 %	50-200		09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS13

E209067-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	82.5 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	31.9	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	65.6	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>	89.5 %	50-200		09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	20.8	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS14

E209067-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238057
Diesel Range Organics (C10-C28)	30.1	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	59.7	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>						
		88.5 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238062
Chloride	ND	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS15

E209067-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.7 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	42.3	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	64.9	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>		104 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/15/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS16

E209067-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		81.3 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>		87.6 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/16/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS17

E209067-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		83.1 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>		90.1 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/16/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS18

E209067-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2238055
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.4 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2238057
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>						
		87.7 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2238062
Chloride	ND	20.0	1	09/15/22	09/16/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS19

E209067-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.9 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	81.8 %	70-130		09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>	91.3 %	50-200		09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/16/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/16/2022 3:40:21PM

CS20

E209067-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Benzene	ND	0.0250	1	09/15/22	09/16/22	
Ethylbenzene	ND	0.0250	1	09/15/22	09/16/22	
Toluene	ND	0.0250	1	09/15/22	09/16/22	
o-Xylene	ND	0.0250	1	09/15/22	09/16/22	
p,m-Xylene	ND	0.0500	1	09/15/22	09/16/22	
Total Xylenes	ND	0.0250	1	09/15/22	09/16/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2238055	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/15/22	09/16/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.2 %	70-130	09/15/22	09/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2238057	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/15/22	09/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/15/22	09/16/22	
<i>Surrogate: n-Nonane</i>		89.9 %	50-200	09/15/22	09/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2238062	
Chloride	ND	20.0	1	09/15/22	09/16/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/16/2022 3:40:21PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238055-BLK1)

Prepared: 09/15/22 Analyzed: 09/15/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.2	70-130			

LCS (2238055-BS1)

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	4.37	0.0250	5.00		87.4	70-130			
Ethylbenzene	3.67	0.0250	5.00		73.4	70-130			
Toluene	3.86	0.0250	5.00		77.2	70-130			
o-Xylene	3.72	0.0250	5.00		74.4	70-130			
p,m-Xylene	7.45	0.0500	10.0		74.5	70-130			
Total Xylenes	11.2	0.0250	15.0		74.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.93		8.00		99.1	70-130			

Matrix Spike (2238055-MS1)

Source: E209067-02

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	4.84	0.0250	5.00	ND	96.8	54-133			
Ethylbenzene	4.06	0.0250	5.00	ND	81.2	61-133			
Toluene	4.28	0.0250	5.00	ND	85.7	61-130			
o-Xylene	4.13	0.0250	5.00	ND	82.7	63-131			
p,m-Xylene	8.25	0.0500	10.0	ND	82.5	63-131			
Total Xylenes	12.4	0.0250	15.0	ND	82.6	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	70-130			

Matrix Spike Dup (2238055-MSD1)

Source: E209067-02

Prepared: 09/15/22 Analyzed: 09/16/22

Benzene	4.71	0.0250	5.00	ND	94.1	54-133	2.83	20	
Ethylbenzene	3.93	0.0250	5.00	ND	78.5	61-133	3.39	20	
Toluene	4.15	0.0250	5.00	ND	82.9	61-130	3.24	20	
o-Xylene	4.01	0.0250	5.00	ND	80.3	63-131	2.92	20	
p,m-Xylene	7.98	0.0500	10.0	ND	79.8	63-131	3.38	20	
Total Xylenes	12.0	0.0250	15.0	ND	79.9	63-131	3.22	20	
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/16/2022 3:40:21PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238055-BLK1)

Prepared: 09/15/22 Analyzed: 09/15/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.40		8.00		80.0	70-130			

LCS (2238055-BS2)

Prepared: 09/15/22 Analyzed: 09/15/22

Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.76		8.00		84.5	70-130			

Matrix Spike (2238055-MS2)

Source: E209067-02

Prepared: 09/15/22 Analyzed: 09/15/22

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.60		8.00		82.6	70-130			

Matrix Spike Dup (2238055-MSD2)

Source: E209067-02

Prepared: 09/15/22 Analyzed: 09/15/22

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130	1.55	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.80		8.00		84.9	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/16/2022 3:40:21PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238057-BLK1)

Prepared: 09/15/22 Analyzed: 09/15/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.7		50.0		81.5	50-200			

LCS (2238057-BS1)

Prepared: 09/15/22 Analyzed: 09/15/22

Diesel Range Organics (C10-C28)	240	25.0	250		96.0	38-132			
Surrogate: n-Nonane	42.3		50.0		84.6	50-200			

Matrix Spike (2238057-MS1)

Source: E209067-09

Prepared: 09/15/22 Analyzed: 09/15/22

Diesel Range Organics (C10-C28)	231	25.0	250	ND	92.5	38-132			
Surrogate: n-Nonane	39.9		50.0		79.8	50-200			

Matrix Spike Dup (2238057-MSD1)

Source: E209067-09

Prepared: 09/15/22 Analyzed: 09/15/22

Diesel Range Organics (C10-C28)	239	25.0	250	ND	95.5	38-132	3.16	20	
Surrogate: n-Nonane	41.8		50.0		83.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/16/2022 3:40:21PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2238062-BLK1)

Prepared: 09/15/22 Analyzed: 09/15/22

Chloride ND 20.0

LCS (2238062-BS1)

Prepared: 09/15/22 Analyzed: 09/15/22

Chloride 254 20.0 250 102 90-110

Matrix Spike (2238062-MS1)

Source: E209067-01

Prepared: 09/15/22 Analyzed: 09/15/22

Chloride 866 20.0 250 676 76.1 80-120 M2

Matrix Spike Dup (2238062-MSD1)

Source: E209067-01

Prepared: 09/15/22 Analyzed: 09/15/22

Chloride 894 20.0 250 676 87.3 80-120 3.19 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/16/22 15:40

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 2

Client: <u>Snyder Miller & Associates</u> Project: <u>Lombardier 1-12 #162H</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S. Houghton</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>WO # 20987302</u>					Lab Use Only Lab WO# <u>PE209067</u> Job Number <u>01058-0007</u> Analysis and Method DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 3000 _____ UGDOC - NM _____ BGDOC - TX _____										EPA Program RCRA _____ CWA _____ SDWA _____ State NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX <input type="checkbox"/> OK _____ Remarks			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	UGDOC - NM	BGDOC - TX										
0811	9/12/22	Soil	1	CS01	1							X											
0812	9/12/22	Soil	1	CS02	2							X											
0813	9/12/22	Soil	1	CS03	3							X											
0814	9/12/22	Soil	1	CS04	4							X											
0815	9/12/22	Soil	1	CS05	5							X											
0816	9/12/22	Soil	1	CS06	6							X											
0817	9/12/22	Soil	1	CS07	7							X											
0818	9/12/22	Soil	1	CS08	8							X											
1137	9/12/22	Soil	1	CS09	9							X											
1138	9/12/22	Soil	1	CS10	10							X											
Additional Instructions: <u>Please Report to Heather Woods, Sarahmoy Schlee, & Georgann Goodman</u> (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____ Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an average temp above 0 but less than 5 °C or subsequent days.																							
Relinquished by: (Signature) _____					Date 9/12/22		Time 3:30PM		Received by: (Signature) _____		Date 9-14-22		Time 3:00		Lab Use Only								
Relinquished by: (Signature) _____					Date 9-14-22		Time 4:15		Received by: (Signature) _____		Date 9/15/22		Time 10:40		Received on ice: <input checked="" type="checkbox"/> N								
Relinquished by: (Signature) _____					Date		Time		Received by: (Signature) _____		Date		Time		T1 _____ T2 _____ T3 _____								
AVG Temp °C <u>4</u>																							
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																							

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Project Information

Chain of Custody

Page 2 of 2

Client: <u>Souder Miller + Associates</u> Project: <u>Tomb Raider 1-12 #162H</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S. Halliwell</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: _____ Report due by: _____					Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ WO # <u>20987302</u>					Lab Use Only Lab WO# <u>PE209067</u> Job Number <u>101058-0007</u> Analysis and Method DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 30010 _____ BGDUC - NM _____ BGDUC - TX _____										EPA Program TAT 1D <input checked="" type="checkbox"/> 3D <input type="checkbox"/> RCRA _____ CWA _____ SDWA _____ State NM <input checked="" type="checkbox"/> CO _____ UT _____ AZ _____ TX <input type="checkbox"/> OK _____ Remarks			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 30010	BGDUC - NM	BGDUC - TX	Remarks									
1139	9/12/22	Soil	1	CS11	11							X											
1140	9/12/22	Soil	1	CS12	12							X											
1141	9/12/22	Soil	1	CS13	13							X											
1142	9/12/22	Soil	1	CS14	14							X											
1143	9/12/22	Soil	1	CS15	15							X											
1144	9/12/22	Soil	1	CS16	16							X											
1145	9/12/22	Soil	1	CS17	17							X											
1146	9/12/22	Soil	1	CS18	18							X											
1147	9/12/22	Soil	1	CS19	19							X											
1148	9/12/22	Soil	1	CS20	20							X											

Additional Instructions:
Please send to Heather Woods, Serahmay Schlea, Georgeann Goodman
 (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	9/12/22	3:30 PM	<u>[Signature]</u>	9-14-22	3:00	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 _____ T2 _____ T3 _____
<u>[Signature]</u>	9-14-22	4:15	<u>[Signature]</u>	9/15/22	10:40	AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 9/15/2022 10:56:32AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/15/22 10:40	Work Order ID:	E209067
Phone:	(575) 200-5443	Date Logged In:	09/14/22 16:54	Logged In By:	Caitlin Christian
Email:		Due Date:	09/16/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12 Fed- 62H

Work Order: E209113

Job Number: 01058-0007

Received: 9/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/26/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/26/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12 Fed- 62H
Workorder: E209113
Date Received: 9/21/2022 10:25:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2022 10:25:00AM, under the Project Name: Tomb Raider 1-12 Fed- 62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12 Fed- 62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/26/22 15:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-1	E209113-01A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-2	E209113-02A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-3	E209113-03A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-4	E209113-04A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-5	E209113-05A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-6	E209113-06A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-7	E209113-07A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-8	E209113-08A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-9	E209113-09A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-10	E209113-10A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-11	E209113-11A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-12	E209113-12A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-13	E209113-13A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-14	E209113-14A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-15	E209113-15A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-16	E209113-16A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-17	E209113-17A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-18	E209113-18A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-19	E209113-19A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-20	E209113-20A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-1

E209113-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/21/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	09/21/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
<i>Surrogate: Bromofluorobenzene</i>		102 %	70-130	09/21/22	09/21/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		90.7 %	70-130	09/21/22	09/21/22	
<i>Surrogate: Toluene-d8</i>		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	250	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	822	50.0	1	09/21/22	09/21/22	
<i>Surrogate: n-Nonane</i>		91.0 %	50-200	09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	435	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-2

E209113-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.7 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.7 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	40.8	25.0	1	09/21/22	09/24/22	
Oil Range Organics (C28-C36)	63.5	50.0	1	09/21/22	09/24/22	
Surrogate: n-Nonane		98.2 %	50-200	09/21/22	09/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	544	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-3

E209113-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.0 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.0 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	59.6	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	115	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	92.0 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1970	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-4

E209113-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		98.2 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		98.2 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	85.3	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	142	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane		93.2 %	50-200	09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1310	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-5

E209113-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	43.6	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	90.0	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane		93.3 %	50-200	09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	817	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-6

E209113-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.9 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.9 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	31.1	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	74.5	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane		90.5 %	50-200	09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	215	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-7

E209113-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.5 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.5 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	189	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	252	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	85.4 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1980	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-8

E209113-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		89.5 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.8 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	254	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	293	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane		84.1 %	50-200	09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	2110	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-9

E209113-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		88.0 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.4 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		88.0 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.4 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane		93.0 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1520	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-10

E209113-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	55.4	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	127	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	97.3 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	599	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-11

E209113-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4		90.4 %	70-130	09/21/22	09/21/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	41.7	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	167	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane		99.8 %	50-200	09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	968	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-12

E209113-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	88.7 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	88.7 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	33.1	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	55.9	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	96.5 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1290	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-13

E209113-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	31.7	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	94.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	937	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-14

E209113-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	96.6 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	96.6 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	94.7 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1300	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-15

E209113-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.8 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	302	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	482	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	93.4 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	819	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-16

E209113-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.2 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.8 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	93.1 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.2 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	32.3	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	82.0	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	92.6 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	527	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-17

E209113-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	89.9 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	89.9 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	95.0 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	925	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-18

E209113-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	89.7 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.0 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	89.7 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.0 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	29.8	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	92.2 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	674	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-19

E209113-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.8 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	99.4 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	98.8 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	95.8 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	510	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:17:41PM

SC-20

E209113-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Benzene	ND	0.0250	1	09/21/22	09/21/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/21/22	
Toluene	ND	0.0250	1	09/21/22	09/21/22	
o-Xylene	ND	0.0250	1	09/21/22	09/21/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/21/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.8 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/21/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/21/22	09/21/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/21/22	09/21/22	
Surrogate: Toluene-d8	97.8 %	70-130		09/21/22	09/21/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239071
Diesel Range Organics (C10-C28)	272	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	368	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	94.8 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239059
Chloride	1100	20.0	1	09/21/22	09/24/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:17:41PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239064-BLK1)

Prepared: 09/21/22 Analyzed: 09/21/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS (2239064-BS1)

Prepared: 09/21/22 Analyzed: 09/21/22

Benzene	2.31	0.0250	2.50		92.5	70-130			
Ethylbenzene	2.41	0.0250	2.50		96.4	70-130			
Toluene	2.28	0.0250	2.50		91.0	70-130			
o-Xylene	2.44	0.0250	2.50		97.8	70-130			
p,m-Xylene	4.77	0.0500	5.00		95.4	70-130			
Total Xylenes	7.22	0.0250	7.50		96.2	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.449		0.500		89.8	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.7	70-130			

LCS Dup (2239064-BSD1)

Prepared: 09/21/22 Analyzed: 09/21/22

Benzene	2.29	0.0250	2.50		91.4	70-130	1.15	23	
Ethylbenzene	2.40	0.0250	2.50		95.9	70-130	0.458	27	
Toluene	2.25	0.0250	2.50		89.8	70-130	1.33	24	
o-Xylene	2.43	0.0250	2.50		97.2	70-130	0.574	27	
p,m-Xylene	4.75	0.0500	5.00		94.9	70-130	0.483	27	
Total Xylenes	7.18	0.0250	7.50		95.7	70-130	0.514	27	
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.452		0.500		90.4	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:17:41PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239064-BLK1)

Prepared: 09/21/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.4	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			

LCS (2239064-BS2)

Prepared: 09/21/22 Analyzed: 09/21/22

Gasoline Range Organics (C6-C10)	40.1	20.0	50.0		80.2	70-130			
Surrogate: Bromofluorobenzene	0.508		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS Dup (2239064-BSD2)

Prepared: 09/21/22 Analyzed: 09/22/22

Gasoline Range Organics (C6-C10)	41.6	20.0	50.0		83.2	70-130	3.66	20	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.421		0.500		84.2	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:17:41PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239071-BLK1)

Prepared: 09/21/22 Analyzed: 09/21/22

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

LCS (2239071-BS1)

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132			
Surrogate: <i>n</i> -Nonane	48.8		50.0		97.5	50-200			

Matrix Spike (2239071-MS1)

Source: E209113-09

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: <i>n</i> -Nonane	44.7		50.0		89.3	50-200			

Matrix Spike Dup (2239071-MSD1)

Source: E209113-09

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	0.998	20	
Surrogate: <i>n</i> -Nonane	44.2		50.0		88.4	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:17:41PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239059-BLK1)

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride ND 20.0

LCS (2239059-BS1)

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride 249 20.0 250 99.5 90-110

Matrix Spike (2239059-MS1)

Source: E209113-01

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride 661 20.0 250 435 90.5 80-120

Matrix Spike Dup (2239059-MSD1)

Source: E209113-01

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride 749 20.0 250 435 126 80-120 12.5 20 M2

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/26/22 15:17

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 6

Client: Scuder Miller & Associates					Bill To		Lab Use Only						TAT		EPA Program				
Project: Tomb Raider 1-12-02H					Attention: Devon		Lab WO#		Job Number				TAT		EPA Program				
Project Manager: Heather Woods					Address:		PE209113		01008-0007				10 30		RCRA CWA SDWA				
Address: 201 S Halaqueno					City, State, Zip		Analysis and Method										State		
City, State, Zip: Carlsbad, NM 88220					Phone:												NM CO UT AZ		
Email:					Email:												TX OK		
Report due by:					WD# 20987302												Remarks		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	PHO/DRO/DRO	GRD/DRO by 8015	DTX by 8021	VOC by 8260	Metals 6010	Chinide 300.0	UGDOC - NM	TX - TX						
0900	9/19/22	Soil	1	SC-1	1								X						
0901	9/19/22	Soil	1	SC-2	2								X						
0902	9/19/22	Soil	1	SC-3	3								X						
0903	9/19/22	Soil	1	SC-4	4								X						
0904	9/19/22	Soil	1	SC-5	5								X						
0905	9/19/22	Soil	1	SC-6	6								X						
0906	9/19/22	Soil	1	SC-7	7								X						
0907	9/19/22	Soil	1	SC-8	8								X						
0908	9/19/22	Soil	1	SC-9	9								X						
0909	9/19/22	Soil	1	SC-10	10								X						

Additional Instructions: Project split into multiple WO# E209113/E209114/E209115
 Please send to Heather Woods, Sarahmay Schlea, & Georgeann Goodman

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

Relinquished by: (Signature) _____ Date: 9-19-22 Time: 3:30 Received by: (Signature) _____ Date: 9-20-22 Time: 3:00

Relinquished by: (Signature) _____ Date: 9-20-22 Time: 4:15 Received by: (Signature) _____ Date: 9-21-22 Time: 10:25

Relinquished by: (Signature) _____ Date: _____ Time: _____ Received by: (Signature) _____ Date: _____ Time: _____

Lab Use Only
 Received on ice: ☒ Y ☐ N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

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

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

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

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Project Information

Chain of Custody

Page 2 of 4

Client: Souder Miller & Associates					Bill To		Lab Use Only		TAT		EPA Program			
Project: Tomb Raider 1-12-02H					Attention: Devon		Lab WO# PE209113		Job Number 01058-0007		RCRA	CWA	SDWA	
Project Manager: Heather Woods					Address:		Analysis and Method				State			
Address: 201 S Hualagueno					City, State, Zip						NM CO UT AZ			
City, State, Zip: Carlsbad, NM 88520					Phone:						TX OK			
Email:					Email:						Remarks			
Report due by:					WO# 20987302									
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	HIO/DRO by 8015	GRO/DRO by 8015	RYEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	UGDOC by 8015	SGDOC by 8015	
0927	9/19/22	Soil	1	SC-11	11							X		
0928	9/19/22	Soil	1	SC-12	12							X		
0929	9/19/22	Soil	1	SC-13	13							X		
0930	9/19/22	Soil	1	SC-14	14							X		
0931	9/19/22	Soil	1	SC-15	15							X		
0939	9/19/22	Soil	1	SC-16	16							X		
0940	9/19/22	Soil	1	SC-17	17							X		
0941	9/19/22	Soil	1	SC-18	18							X		
0942	9/19/22	Soil	1	SC-19	19							X		
0943	9/19/22	Soil	1	SC-20	20							X		

Additional Instructions:
 Dense send to Heather Woods, Sarahmeyer Schlee, Georgeann Goodman
 (Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____

Received by: (Signature) _____ Date: 9-20-22 Time: 3:00p
 Received by: (Signature) _____ Date: 9-20-22 Time: 4:15
 Received by: (Signature) _____ Date: 9-20-22 Time: 10:25

Lab Use Only
 Received on ice: Y N
 T1 _____ T2 _____ T3 _____
 AVG Temp °C 4

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 9/21/2022 2:56:06PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/21/22 10:25	Work Order ID:	E209113
Phone:	(575) 200-5443	Date Logged In:	09/20/22 17:02	Logged In By:	Alexa Michaels
Email:		Due Date:	09/22/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPS**Comments/Resolution**

Project Tomb Raider 1-12-62H has been split into multiple WO due to sample volume. WO# are as follows: E209113 / E209114 / E209115

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12 Fed- 62H

Work Order: E209114

Job Number: 01058-0007

Received: 9/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/26/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/26/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12 Fed- 62H
Workorder: E209114
Date Received: 9/21/2022 10:25:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/21/2022 10:25:00AM, under the Project Name: Tomb Raider 1-12 Fed- 62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12 Fed- 62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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Office: 505-632-1881
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/26/22 15:19

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-21	E209114-01A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-22	E209114-02A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-23	E209114-03A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-24	E209114-04A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-25	E209114-05A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-26	E209114-06A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-27	E209114-07A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-28	E209114-08A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-29	E209114-09A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-30	E209114-10A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-31	E209114-11A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-32	E209114-12A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-33	E209114-13A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-34	E209114-14A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-35	E209114-15A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-36	E209114-16A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-37	E209114-17A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-38	E209114-18A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-39	E209114-19A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.
SC-40	E209114-20A	Soil	09/19/22	09/21/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-21

E209114-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	214	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	172	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	81.0 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	3500	40.0	2	09/21/22	09/26/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-22

E209114-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	107 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	107 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	49.8	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	84.3	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	78.3 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	391	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-23

E209114-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	79.6 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	690	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-24

E209114-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.1 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	26.1	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	83.5 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	653	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-25

E209114-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	40.4	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	85.9 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	263	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-26

E209114-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	821	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	857	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	81.7 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	2530	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-27

E209114-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	773	25.0	1	09/21/22	09/24/22	
Oil Range Organics (C28-C36)	681	50.0	1	09/21/22	09/24/22	
Surrogate: n-Nonane	103 %	50-200		09/21/22	09/24/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	3470	40.0	2	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-28

E209114-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	37.5	25.0	1	09/21/22	09/21/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/21/22	
Surrogate: n-Nonane	85.4 %	50-200		09/21/22	09/21/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	636	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-29

E209114-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	41.5	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	79.7 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	527	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-30

E209114-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/22/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/22/22	
Toluene	ND	0.0250	1	09/21/22	09/22/22	
o-Xylene	ND	0.0250	1	09/21/22	09/22/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/22/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	89.2 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/22/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		09/21/22	09/22/22	
Surrogate: 1,2-Dichloroethane-d4	89.2 %	70-130		09/21/22	09/22/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	342	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	283	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	82.6 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	2050	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-31

E209114-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	82.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	232	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-32

E209114-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	71.6 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	42.2	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-33

E209114-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	86.0	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	55.3	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	72.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	245	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-34

E209114-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	37.9	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	74.3 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	1420	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-35

E209114-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	95.0 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	95.0 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	41.6	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	72.6 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	618	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-36

E209114-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.1 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	39.2	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	78.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	888	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-37

E209114-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	104 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	48.0	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	88.3 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	1030	20.0	1	09/21/22	09/23/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-38

E209114-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	94.3 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	105 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	ND	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	87.9 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	916	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-39

E209114-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	106 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	97.0	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	144	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	87.2 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	1910	20.0	1	09/21/22	09/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed- 62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/26/2022 3:19:59PM

SC-40

E209114-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Benzene	ND	0.0250	1	09/21/22	09/23/22	
Ethylbenzene	ND	0.0250	1	09/21/22	09/23/22	
Toluene	ND	0.0250	1	09/21/22	09/23/22	
o-Xylene	ND	0.0250	1	09/21/22	09/23/22	
p,m-Xylene	ND	0.0500	1	09/21/22	09/23/22	
Total Xylenes	ND	0.0250	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	107 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2239065
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/21/22	09/23/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		09/21/22	09/23/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/21/22	09/23/22	
Surrogate: Toluene-d8	107 %	70-130		09/21/22	09/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2239072
Diesel Range Organics (C10-C28)	252	25.0	1	09/21/22	09/22/22	
Oil Range Organics (C28-C36)	234	50.0	1	09/21/22	09/22/22	
Surrogate: n-Nonane	73.2 %	50-200		09/21/22	09/22/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2239061
Chloride	2860	20.0	1	09/21/22	09/24/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:19:59PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2239065-BLK1)

Prepared: 09/21/22 Analyzed: 09/22/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2239065-BS1)

Prepared: 09/21/22 Analyzed: 09/22/22

Benzene	2.43	0.0250	2.50		97.2	70-130			
Ethylbenzene	2.51	0.0250	2.50		100	70-130			
Toluene	2.47	0.0250	2.50		98.6	70-130			
o-Xylene	2.34	0.0250	2.50		93.8	70-130			
p,m-Xylene	4.68	0.0500	5.00		93.5	70-130			
Total Xylenes	7.02	0.0250	7.50		93.6	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS Dup (2239065-BSD1)

Prepared: 09/21/22 Analyzed: 09/22/22

Benzene	2.44	0.0250	2.50		97.4	70-130	0.247	23	
Ethylbenzene	2.51	0.0250	2.50		100	70-130	0.0797	27	
Toluene	2.45	0.0250	2.50		98.0	70-130	0.590	24	
o-Xylene	2.36	0.0250	2.50		94.4	70-130	0.638	27	
p,m-Xylene	4.68	0.0500	5.00		93.6	70-130	0.0962	27	
Total Xylenes	7.04	0.0250	7.50		93.9	70-130	0.277	27	
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:19:59PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239065-BLK1)

Prepared: 09/21/22 Analyzed: 09/22/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.486		0.500		97.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

LCS (2239065-BS2)

Prepared: 09/21/22 Analyzed: 09/22/22

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			

LCS Dup (2239065-BSD2)

Prepared: 09/21/22 Analyzed: 09/22/22

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130	1.58	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.536		0.500		107	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:19:59PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239072-BLK1)

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.1		50.0		78.1	50-200			

LCS (2239072-BS1)

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	234	25.0	250		93.7	38-132			
Surrogate: n-Nonane	36.5		50.0		73.1	50-200			

Matrix Spike (2239072-MS1)

Source: E209114-05

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	285	25.0	250	40.4	97.8	38-132			
Surrogate: n-Nonane	36.2		50.0		72.4	50-200			

Matrix Spike Dup (2239072-MSD1)

Source: E209114-05

Prepared: 09/21/22 Analyzed: 09/21/22

Diesel Range Organics (C10-C28)	260	25.0	250	40.4	87.9	38-132	9.16	20	
Surrogate: n-Nonane	36.3		50.0		72.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/26/2022 3:19:59PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2239061-BLK1)

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride ND 20.0

LCS (2239061-BS1)

Prepared: 09/21/22 Analyzed: 09/23/22

Chloride 255 20.0 250 102 90-110

Matrix Spike (2239061-MS1)

Source: E209114-01

Prepared: 09/21/22 Analyzed: 09/26/22

Chloride 3900 40.0 250 3500 160 80-120 M4

Matrix Spike Dup (2239061-MSD1)

Source: E209114-01

Prepared: 09/21/22 Analyzed: 09/26/22

Chloride 3630 40.0 250 3500 49.1 80-120 7.36 20 M4

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed- 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/26/22 15:19

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.



Project Information

Chain of Custody

Page 3 of 6

Client: Souda Miller & Associates					Bill To		Lab Use Only		TAT		EPA Program					
Project: Tomb Raider 1-12-62H					Attention: Devon		Lab WO# PE209114		Job Number 01058-0007		RCRA		CWA		SDWA	
Project Manager: Heather Woods					Address:		Analysis and Method									
Address: 201 S. Halague					City, State, Zip										State	
City, State, Zip: Carlsbad, NM 88220					Phone:										NM CO UT AZ	
Phone:					Email:										TX OK	
Report due by:					WO # 20987302										Remarks	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	HI/O/DRO by 8015	GRO/DRO by 8015	ITEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	UGDOC - NM	BGDOC - TX			
0944	9/19/22	Soil	1	SC-21	1							X				
0950	9/19/22	Soil	1	SC-22	2							X				
0951	9/19/22	Soil	1	SC-23	3							X				
0952	9/19/22	Soil	1	SC-24	4							X				
0953	9/19/22	Soil	1	SC-25	5							X				
0954	9/19/22	Soil	1	SC-26	6							X				
0955	9/19/22	Soil	1	SC-27	7							X				
1014	9/19/22	Soil	1	SC-28	8							X				
1015	9/19/22	Soil	1	SC-29	9							X				
1016	9/19/22	Soil	1	SC-30	10							X				
Additional Instructions: Project split into multiple WO# E209113/E209114/E209115																
Please send to Heather Woods, Sarahmay Schlea, Georgann Goodman																
I (field sampler) attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location date or time of collection is considered fraud and may be grounds for legal action. Sampled by:																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
[Signature]		9/19/22	3:30	[Signature]		9/20/22	4:00	Received on ice: Y N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1		T2		T3				
[Signature]		9/20/22	4:15	[Signature]		9/21/22	10:25									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C		4						
[Signature]				[Signature]												
Sample Matrix: S - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

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Project Information

Chain of Custody

Page 4 of 6

Client: Souder Miller & Associates
 Project: Tomb Raider 1-12-102H
 Project Manager: Heather Woods
 Address: 201 S Halaqueno
 City, State, Zip: Carlsbad, NM 88220
 Phone: _____
 Email: _____
 Report due by: _____

Bill To
 Attention: Deven
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 WO # 209 87302

Lab Use Only
 Lab WO# PE209114 Job Number 01058-007
 Analysis and Method

Lab Use Only										EPA Program			
										TAT	RCRA	CWA	SDWA
										10/3D			
										State			
										NM	CO	UT	AZ
										TX	OK		
										Remarks			

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	RTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	UGDOC - NM	BGDOC - TX
1017	9/19/22	Soil	1	SC-31	11							X	
1018	9/19/22	Soil	1	SC-32	12							X	
1019	9/19/22	Soil	1	SC-33	13							X	
1030	9/19/22	Soil	1	SC-34	14							X	
1031	9/19/22	Soil	1	SC-35	15							X	
1032	9/19/22	Soil	1	SC-36	16							X	
1033	9/19/22	Soil	1	SC-37	17							X	
1034	9/19/22	Soil	1	SC-38	18							X	
1035	9/19/22	Soil	1	SC-39	19							X	
1045	9/19/22	Soil	1	SC-40	20							X	

Additional Instructions:
Please send to Heather Woods. Sarahmay Schlea, Georgeann Goodman

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

Relinquished by: (Signature) _____ Date 9/19/22 Time 3:30 Received by: (Signature) _____ Date 9-20-22 Time 4:09

Relinquished by: (Signature) _____ Date 9/20/22 Time 9:15 Received by: (Signature) _____ Date 10/2/22 Time 10:25

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

Received on ice: Y N

AVG Temp °C 4

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

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

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

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Envirotech Analytical Laboratory

Printed: 9/21/2022 2:47:28PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/21/22 10:25	Work Order ID:	E209114
Phone:	(575) 200-5443	Date Logged In:	09/20/22 17:08	Logged In By:	Alexa Michaels
Email:		Due Date:	09/22/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/Resolution

Project Tomb Raider 1-12-62H has been split into multiple WO due to sample volume. WO# are as follows: E209113 / E209114 / E209115

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Ashley Maxwell



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12 Fed # 62H

Work Order: E206139

Job Number: 01058-0007

Received: 6/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/27/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 6/27/22

Ashley Maxwell
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12 Fed # 62H
Workorder: E206139
Date Received: 6/17/2022 3:14:00PM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/17/2022 3:14:00PM, under the Project Name: Tomb Raider 1-12 Fed # 62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12 Fed # 62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Tomb Raider 1-12 Fed # 62H Project Number: 01058-0007 Project Manager: Ashley Maxwell	Reported: 06/27/22 12:54
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH37 @ 0'	E206139-01A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH38 @ 0'	E206139-02A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH39 @ 0'	E206139-03A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH40 @ 0'	E206139-04A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH41 @ 0'	E206139-05A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH42 @ 0'	E206139-06A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH43 @ 0'	E206139-07A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH44 @ 0'	E206139-08A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH45 @ 0'	E206139-09A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH46 @ 0'	E206139-10A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH47 @ 0'	E206139-11A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.
BH48 @ 0	E206139-12A	Soil	06/09/22	06/17/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Tomb Raider 1-12 Fed # 62H Project Number: 01058-0007 Project Manager: Ashley Maxwell	Reported: 6/27/2022 12:54:08PM
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BH37 @ 0'

E206139-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	84.9 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.7 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2226051	
Diesel Range Organics (C10-C28)	104	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	347	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>	102 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	649	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH38 @ 0'

E206139-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.0 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.6 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	116 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	3150	40.0	2	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH39 @ 0'

E206139-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.6 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.7 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2226051	
Diesel Range Organics (C10-C28)	28.5	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>	114 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	1180	40.0	2	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH40 @ 0'

E206139-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.5 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	1360	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH41 @ 0'

E206139-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		87.0 %	70-130	06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.4 %	70-130	06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	26.8	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	51.1	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	1020	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH42 @ 0'

E206139-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	86.8 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.2 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2226051	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>	111 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	39.2	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH43 @ 0'

E206139-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.9 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	786	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH44 @ 0'

E206139-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	ND	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH45 @ 0'

E206139-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Benzene	ND	0.0250	1	06/21/22	06/22/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/22/22	
Toluene	ND	0.0250	1	06/21/22	06/22/22	
o-Xylene	ND	0.0250	1	06/21/22	06/22/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/22/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/22/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.3 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2226040	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/22/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.8 %	70-130		06/21/22	06/22/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2226051	
Diesel Range Organics (C10-C28)	27.3	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>	113 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2226034	
Chloride	5670	200	10	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH46 @ 0'

E206139-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/23/22	
Toluene	ND	0.0250	1	06/21/22	06/23/22	
o-Xylene	ND	0.0250	1	06/21/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	ND	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH47 @ 0'

E206139-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/23/22	
Toluene	ND	0.0250	1	06/21/22	06/23/22	
o-Xylene	ND	0.0250	1	06/21/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.6 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	114 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	92.0	20.0	1	06/21/22	06/24/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12 Fed # 62H
Project Number: 01058-0007
Project Manager: Ashley Maxwell

Reported:
6/27/2022 12:54:08PM

BH48 @ 0

E206139-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Benzene	ND	0.0250	1	06/21/22	06/23/22	
Ethylbenzene	ND	0.0250	1	06/21/22	06/23/22	
Toluene	ND	0.0250	1	06/21/22	06/23/22	
o-Xylene	ND	0.0250	1	06/21/22	06/23/22	
p,m-Xylene	ND	0.0500	1	06/21/22	06/23/22	
Total Xylenes	ND	0.0250	1	06/21/22	06/23/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.8 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2226040
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/21/22	06/23/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		06/21/22	06/23/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2226051
Diesel Range Organics (C10-C28)	ND	25.0	1	06/21/22	06/23/22	
Oil Range Organics (C28-C36)	ND	50.0	1	06/21/22	06/23/22	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/21/22	06/23/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2226034
Chloride	73.6	20.0	1	06/21/22	06/24/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:54:08PM

Volatile Organics by EPA 8021B

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2226040-BLK1)

Prepared: 06/21/22 Analyzed: 06/22/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	6.65		8.00		83.2	70-130			

LCS (2226040-BS1)

Prepared: 06/21/22 Analyzed: 06/22/22

Benzene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.14	0.0250	5.00		103	70-130			
Toluene	5.50	0.0250	5.00		110	70-130			
o-Xylene	5.02	0.0250	5.00		100	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.4	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	6.75		8.00		84.4	70-130			

LCS Dup (2226040-BSD1)

Prepared: 06/21/22 Analyzed: 06/22/22

Benzene	5.27	0.0250	5.00		105	70-130	1.15	20	
Ethylbenzene	5.22	0.0250	5.00		104	70-130	1.63	20	
Toluene	5.55	0.0250	5.00		111	70-130	0.873	20	
o-Xylene	5.10	0.0250	5.00		102	70-130	1.54	20	
p,m-Xylene	10.6	0.0500	10.0		106	70-130	1.56	20	
Total Xylenes	15.7	0.0250	15.0		104	70-130	1.55	20	
Surrogate: 4-Bromochlorobenzene-PID	6.69		8.00		83.6	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:54:08PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2226040-BLK1)

Prepared: 06/21/22 Analyzed: 06/22/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

LCS (2226040-BS2)

Prepared: 06/21/22 Analyzed: 06/22/22

Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			

LCS Dup (2226040-BSD2)

Prepared: 06/21/22 Analyzed: 06/22/22

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.8	70-130	1.93	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.97		8.00		87.1	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:54:08PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2226051-BLK1)

Prepared: 06/21/22 Analyzed: 06/23/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	46.8		50.0		93.6	50-200			

LCS (2226051-BS1)

Prepared: 06/21/22 Analyzed: 06/23/22

Diesel Range Organics (C10-C28)	527	25.0	500		105	38-132			
Surrogate: <i>n</i> -Nonane	43.9		50.0		87.9	50-200			

Matrix Spike (2226051-MS1)

Source: E206139-04

Prepared: 06/21/22 Analyzed: 06/23/22

Diesel Range Organics (C10-C28)	552	25.0	500	ND	110	38-132			
Surrogate: <i>n</i> -Nonane	50.6		50.0		101	50-200			

Matrix Spike Dup (2226051-MSD1)

Source: E206139-04

Prepared: 06/21/22 Analyzed: 06/23/22

Diesel Range Organics (C10-C28)	551	25.0	500	ND	110	38-132	0.226	20	
Surrogate: <i>n</i> -Nonane	50.9		50.0		102	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	6/27/2022 12:54:08PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2226034-BLK1)

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	ND	20.0							
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LCS (2226034-BS1)

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	245	20.0	250		98.1	90-110			
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Matrix Spike (2226034-MS1)

Source: E206139-01

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	806	20.0	250	649	62.6	80-120			M2
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Matrix Spike Dup (2226034-MSD1)

Source: E206139-01

Prepared: 06/21/22 Analyzed: 06/24/22

Chloride	859	20.0	250	649	84.0	80-120	6.41	20	
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QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12 Fed # 62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	06/27/22 12:54

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

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Project Information

Chain of Custody

Page 1 of 2

5 to 5 day

Client: <u>SMA</u> Project: <u>Tomb Raider 172 Fed #424</u> Project Manager: <u>Ashley Maxwell</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Report due by: <u>heather.woods@sarvermiller.com</u> <u>W0# 20995421</u>					Bill To Attention: <u>Dawn</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____		Lab Use Only:		TAT		EPA Program		
							Lab WO# <u>PF206139</u>	Job Number <u>01058-0007</u>	1D	3D	RCRA	CWA	SDWA
Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX							State			Remarks			
							NM	CO	UT	AZ			
							<input checked="" type="checkbox"/>						
							TX	OK					
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number								
0841	4/9/22	Soil	1	BH3720	1						X		
0843	4/9/22	Soil	1	BH3820	2						X		
0900	4/9/22	Soil	1	BH3920	3						X		
0902	4/9/22	Soil	1	BH4020	4						X		
0905	4/9/22	Soil	1	BH4120	5						X		
0907	4/9/22	Soil	1	BH4220	6						X		
0923	4/9/22	Soil	1	BH4320	7						X		
0926	4/9/22	Soil	1	BH4420	8						X		
0929	4/9/22	Soil	1	BH4520	9						X		
0944	4/9/22	Soil	1	BH4620	10						X		
Additional Instructions:													
(Field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Heather Woods</u>							Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____							Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.													

envirotech

Chain of Custody

envirotech

Envirotech Analytical Laboratory

Printed: 6/17/2022 3:49:04PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	06/17/22 15:14	Work Order ID:	E206139
Phone:	(505) 325-7535	Date Logged In:	06/17/22 15:22	Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	06/24/22 17:00 (5 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Heather WoodsComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12-62H

Work Order: E209148

Job Number: 01058-0007

Received: 9/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/28/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12-62H
Workorder: E209148
Date Received: 9/27/2022 10:45:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/27/2022 10:45:00AM, under the Project Name: Tomb Raider 1-12-62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12-62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported: 09/28/22 16:52
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-41	E209148-01A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-42	E209148-02A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-43	E209148-03A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-44	E209148-04A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-45	E209148-05A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-46	E209148-06A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-47	E209148-07A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-48	E209148-08A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-49	E209148-09A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-50	E209148-10A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-51	E209148-11A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-52	E209148-12A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-53	E209148-13A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-54	E209148-14A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-55	E209148-15A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-56	E209148-16A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-57	E209148-17A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-58	E209148-18A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-59	E209148-19A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-60	E209148-20A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:52:25PM

SC-41

E209148-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	89.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2240021	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>	87.3 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240028	
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-42

E209148-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	87.9 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-43

E209148-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	84.5 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-44

E209148-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	80.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-45

E209148-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		87.9 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
		87.7 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-46

E209148-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	88.6 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-47

E209148-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.9 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
		88.4 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-48

E209148-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	84.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-49

E209148-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	86.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2240021	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>	87.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240028	
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-50

E209148-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.6 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
		87.9 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-51

E209148-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	89.4 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-52

E209148-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
	81.2 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-53

E209148-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>						
		88.0 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-54

E209148-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>						
	89.3 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-55

E209148-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>						
	89.0 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-56

E209148-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	85.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>						
	83.9 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-57

E209148-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>						
	80.3 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-58

E209148-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	98.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2240029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	87.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2240021	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>	87.7 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2240028	
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-59

E209148-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>						
	91.8 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:52:25PM

SC-60

E209148-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.0 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2240029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.1 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2240021
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
<i>Surrogate: n-Nonane</i>		76.5 %	50-200	09/27/22	09/28/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: KL		Batch: 2240028
Chloride	ND	20.0	1	09/27/22	09/27/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:52:25PM

Volatile Organics by EPA 8021B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240029-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2240029-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Benzene	5.15	0.0250	5.00		103	70-130			
Ethylbenzene	4.24	0.0250	5.00		84.8	70-130			
Toluene	4.49	0.0250	5.00		89.7	70-130			
o-Xylene	4.29	0.0250	5.00		85.7	70-130			
p,m-Xylene	8.61	0.0500	10.0		86.1	70-130			
Total Xylenes	12.9	0.0250	15.0		86.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.88		8.00		98.5	70-130			

Matrix Spike (2240029-MS1)

Source: E209148-02

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	4.78	0.0250	5.00	ND	95.6	54-133			
Ethylbenzene	3.93	0.0250	5.00	ND	78.7	61-133			
Toluene	4.18	0.0250	5.00	ND	83.7	61-130			
o-Xylene	3.97	0.0250	5.00	ND	79.3	63-131			
p,m-Xylene	8.00	0.0500	10.0	ND	80.0	63-131			
Total Xylenes	12.0	0.0250	15.0	ND	79.7	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.83		8.00		97.9	70-130			

Matrix Spike Dup (2240029-MSD1)

Source: E209148-02

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	5.06	0.0250	5.00	ND	101	54-133	5.75	20	
Ethylbenzene	4.18	0.0250	5.00	ND	83.6	61-133	6.07	20	
Toluene	4.43	0.0250	5.00	ND	88.5	61-130	5.61	20	
o-Xylene	4.21	0.0250	5.00	ND	84.3	63-131	6.07	20	
p,m-Xylene	8.49	0.0500	10.0	ND	84.9	63-131	6.04	20	
Total Xylenes	12.7	0.0250	15.0	ND	84.7	63-131	6.05	20	
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:52:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240029-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.7	70-130			

LCS (2240029-BS2)

Prepared: 09/27/22 Analyzed: 09/27/22

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0		103	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.13		8.00		89.1	70-130			

Matrix Spike (2240029-MS2)

Source: E209148-02

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			

Matrix Spike Dup (2240029-MSD2)

Source: E209148-02

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	50.2	20.0	50.0	ND	100	70-130	6.48	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:52:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240021-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.7		50.0		91.4	50-200			

LCS (2240021-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	43.9		50.0		87.9	50-200			

Matrix Spike (2240021-MS1)

Source: E209148-18

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	38-132			
Surrogate: n-Nonane	44.5		50.0		89.0	50-200			

Matrix Spike Dup (2240021-MSD1)

Source: E209148-18

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.2	38-132	0.000415	20	
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:52:25PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2240028-BLK1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	ND	20.0							
LCS (2240028-BS1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	263	20.0	250		105	90-110			
LCS Dup (2240028-BSD1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	247	20.0	250		98.8	90-110	6.15	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/28/22 16:52

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

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

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



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Envirotech Analytical Laboratory

Printed: 9/27/2022 1:53:00PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/27/22 10:45	Work Order ID:	E209148
Phone:	(575) 200-5443	Date Logged In:	09/27/22 08:30	Logged In By:	Caitlin Christian
Email:		Due Date:	09/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:
 E209148 COC pg 1&2 of 8, E209149 COC pg 3&4 of 8, E209150 COC pg 5&6 of 8, E209151 COC pg 7&8 of 8.

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12-62H

Work Order: E209149

Job Number: 01058-0007

Received: 9/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/28/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12-62H
Workorder: E209149
Date Received: 9/27/2022 10:45:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/27/2022 10:45:00AM, under the Project Name: Tomb Raider 1-12-62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12-62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/28/22 17:01

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-61	E209149-01A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-62	E209149-02A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-63	E209149-03A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-64	E209149-04A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-65	E209149-05A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-66	E209149-06A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-67	E209149-07A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-68	E209149-08A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-69	E209149-09A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-70	E209149-10A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-71	E209149-11A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-72	E209149-12A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-73	E209149-13A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-74	E209149-14A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-75	E209149-15A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-76	E209149-16A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-77	E209149-17A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-78	E209149-18A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-79	E209149-19A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-80	E209149-20A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-61

E209149-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		99.3 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		99.3 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		85.0 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-62

E209149-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	85.8 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	20.7	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-63

E209149-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	89.6 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-64

E209149-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		89.1 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-65

E209149-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	81.4 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	20.4	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-66

E209149-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	103 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	88.2 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	21.4	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-67

E209149-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	101 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	101 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	80.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	22.3	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-68

E209149-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	101 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	101 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	125	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	81.9	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	88.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	468	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-69

E209149-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		99.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		99.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	269	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	201	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		89.3 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	613	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-70

E209149-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	178	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	131	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	91.9 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	565	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-71

E209149-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.8 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.8 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	177	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	132	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		88.6 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	506	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-72

E209149-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.3 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.3 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	88.7	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	80.7	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		84.1 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	365	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-73

E209149-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	44.5	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	88.9 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	188	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-74

E209149-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.2 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.2 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	45.8	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	89.1 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	2060	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-75

E209149-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.8 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	44.7	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	68.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	2250	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-76

E209149-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	37.4	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	89.3 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	317	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-77

E209149-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	143	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	110	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	89.5 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	635	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-78

E209149-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	117	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	88.2	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	93.0 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	532	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-79

E209149-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	91.5	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	72.7	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	89.0 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	318	20.0	1	09/27/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 5:01:13PM

SC-80

E209149-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240032
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.8 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	99.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240023
Diesel Range Organics (C10-C28)	71.9	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	56.1	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	89.4 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240027
Chloride	53.4	20.0	1	09/27/22	09/28/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 5:01:13PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240032-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

LCS (2240032-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Benzene	2.13	0.0250	2.50		85.3	70-130			
Ethylbenzene	2.06	0.0250	2.50		82.2	70-130			
Toluene	2.06	0.0250	2.50		82.4	70-130			
o-Xylene	2.05	0.0250	2.50		82.1	70-130			
p,m-Xylene	4.09	0.0500	5.00		81.8	70-130			
Total Xylenes	6.14	0.0250	7.50		81.9	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.3	70-130			

LCS Dup (2240032-BSD1)

Prepared: 09/27/22 Analyzed: 09/27/22

Benzene	1.99	0.0250	2.50		79.7	70-130	6.86	23	
Ethylbenzene	1.92	0.0250	2.50		76.9	70-130	6.71	27	
Toluene	1.92	0.0250	2.50		77.0	70-130	6.75	24	
o-Xylene	1.91	0.0250	2.50		76.5	70-130	7.09	27	
p,m-Xylene	3.83	0.0500	5.00		76.6	70-130	6.58	27	
Total Xylenes	5.74	0.0250	7.50		76.5	70-130	6.75	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.487		0.500		97.4	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 5:01:13PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240032-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

LCS (2240032-BS2)

Prepared: 09/27/22 Analyzed: 09/27/22

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS Dup (2240032-BSD2)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	47.6	20.0	50.0		95.2	70-130	1.32	20	
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.2	70-130			
Surrogate: Toluene-d8	0.490		0.500		97.9	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 5:01:13PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240023-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	42.1		50.0		84.2	50-200			

LCS (2240023-BS1)

Prepared: 09/27/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	257	25.0	250		103	38-132			
Surrogate: n-Nonane	54.5		50.0		109	50-200			

Matrix Spike (2240023-MS1)

Source: E209149-20

Prepared: 09/27/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	295	25.0	250	71.9	89.4	38-132			
Surrogate: n-Nonane	49.9		50.0		99.7	50-200			

Matrix Spike Dup (2240023-MSD1)

Source: E209149-20

Prepared: 09/27/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	290	25.0	250	71.9	87.3	38-132	1.76	20	
Surrogate: n-Nonane	51.0		50.0		102	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 5:01:13PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240027-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Chloride	ND	20.0							
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LCS (2240027-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Chloride	251	20.0	250		100	90-110			
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LCS Dup (2240027-BSD1)

Prepared: 09/27/22 Analyzed: 09/27/22

Chloride	254	20.0	250		102	90-110	1.47	20	
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QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/28/22 17:01

- 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.



Chain of Custody

Project Information

Client: <u>Snyder Mullen & Associates</u> Project: <u>Tomb Raider 1-12-62H</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S Hualapueno</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: _____					Bill To Attention: <u>Devon</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ <u>WO# 20987302</u>					Lab Use Only Lab WO# <u>PE 209149</u> Job Number <u>01058-0007</u> Analysis and Method					TAT TO <input checked="" type="checkbox"/> 3D		EPA Program RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDWA <input type="checkbox"/>			State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/> OK <input type="checkbox"/>							
Report due by: _____					Lab Number					DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC - NM		BGDOC - TX		Remarks	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID																							
0903	9/23/22	Soil	1	SC-61																							
0904	9/23/22	Soil	1	SC-62																							
0905	9/23/22	Soil	1	SC-63																							
0906	9/23/22	Soil	1	SC-64																							
0907	9/23/22	Soil	1	SC-65																							
0908	9/23/22	Soil	1	SC-66																							
0909	9/23/22	Soil	1	SC-67																							
0937	9/23/22	Soil	1	SC-68																							
0938	9/23/22	Soil	1	SC-69																							
0939	9/23/22	Soil	1	SC-70																							
Additional Instructions: Please send to <u>Heather Woods, Sarahmay Schlea, Georgeann Goodman</u> (Filed sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: _____ Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/23/22</u> Time <u>5:00</u> Received by: (Signature) <u>[Signature]</u> Date <u>9/23/22</u> Time <u>11:30</u> Relinquished by: (Signature) <u>[Signature]</u> Date <u>9/23/22</u> Time <u>4:15</u> Received by: (Signature) <u>[Signature]</u> Date <u>9/27/22</u> Time <u>10:45</u> Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Sol, sd - Solid, sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																											

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Envirotech Analytical Laboratory

Printed: 9/27/2022 1:53:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/27/22 10:45	Work Order ID:	E209149
Phone:	(575) 200-5443	Date Logged In:	09/27/22 08:33	Logged In By:	Caitlin Christian
Email:		Due Date:	09/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12-62H

Work Order: E209150

Job Number: 01058-0007

Received: 9/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/28/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12-62H
Workorder: E209150
Date Received: 9/27/2022 10:45:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/27/2022 10:45:00AM, under the Project Name: Tomb Raider 1-12-62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12-62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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Office: 505-632-1881
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported: 09/28/22 16:27
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-81	E209150-01A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-82	E209150-02A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-83	E209150-03A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-84	E209150-04A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-85	E209150-05A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-86	E209150-06A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-87	E209150-07A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-88	E209150-08A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-89	E209150-09A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-90	E209150-10A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-91	E209150-11A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-92	E209150-12A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-93	E209150-13A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-94	E209150-14A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-95	E209150-15A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-96	E209150-16A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-97	E209150-17A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-98	E209150-18A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-99	E209150-19A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-100	E209150-20A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-81

E209150-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	104 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	104 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	336	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	291	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	79.8 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	675	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-82

E209150-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	198	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	167	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	82.2 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	647	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-83

E209150-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	28.9	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	80.2 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	202	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-84

E209150-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	158	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	121	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	82.0 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	115	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-85

E209150-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.6 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	192	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	139	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	81.9 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	519	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-86

E209150-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	311	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	323	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	81.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	381	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-87

E209150-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	103 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	103 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	90.9	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	96.7	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	82.3 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	41.0	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-88

E209150-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	57.3	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	57.0	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	82.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	32.0	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-89

E209150-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	83.3 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	23.1	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-90

E209150-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	84.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	29.9	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-91

E209150-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	83.5 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	54.9	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-92

E209150-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	81.7 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	58.7	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-93

E209150-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	76.4 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	58.4	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-94

E209150-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	83.9 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	88.7	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-95

E209150-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.5 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	80.8 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	53.5	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-96

E209150-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	85.0 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	45.7	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-97

E209150-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	104 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.2 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	104 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	86.6 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-98

E209150-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.0 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	84.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-99

E209150-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	91.1 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	83.7 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	56.0	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:27:39PM

SC-100

E209150-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240033
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	98.1 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.5 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240024
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	84.0 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240026
Chloride	46.7	20.0	1	09/27/22	09/27/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:27:39PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240033-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2240033-BS1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.27	0.0250	2.50		90.9	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.2	70-130			
Toluene	2.24	0.0250	2.50		89.4	70-130			
o-Xylene	2.12	0.0250	2.50		84.6	70-130			
p,m-Xylene	4.25	0.0500	5.00		84.9	70-130			
Total Xylenes	6.36	0.0250	7.50		84.8	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike (2240033-MS1)

Source: E209150-01

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.31	0.0250	2.50	ND	92.4	48-131			
Ethylbenzene	2.33	0.0250	2.50	ND	93.2	45-135			
Toluene	2.31	0.0250	2.50	ND	92.3	48-130			
o-Xylene	2.17	0.0250	2.50	ND	86.8	43-135			
p,m-Xylene	4.35	0.0500	5.00	ND	86.9	43-135			
Total Xylenes	6.52	0.0250	7.50	ND	86.9	43-135			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike Dup (2240033-MSD1)

Source: E209150-01

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.38	0.0250	2.50	ND	95.3	48-131	3.09	23	
Ethylbenzene	2.42	0.0250	2.50	ND	96.6	45-135	3.67	27	
Toluene	2.38	0.0250	2.50	ND	95.2	48-130	3.12	24	
o-Xylene	2.27	0.0250	2.50	ND	90.7	43-135	4.35	27	
p,m-Xylene	4.50	0.0500	5.00	ND	90.0	43-135	3.54	27	
Total Xylenes	6.77	0.0250	7.50	ND	90.2	43-135	3.81	27	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:27:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240033-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2240033-BS2)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.507		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

Matrix Spike (2240033-MS2)

Source: E209150-01

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	55.2	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2240033-MSD2)

Source: E209150-01

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	55.3	20.0	50.0	ND	111	70-130	0.177	20	
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:27:39PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240024-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	39.8		50.0		79.5	50-200			

LCS (2240024-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	246	25.0	250		98.3	38-132			
Surrogate: n-Nonane	39.4		50.0		78.8	50-200			

Matrix Spike (2240024-MS1)

Source: E209150-16

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.8	38-132			
Surrogate: n-Nonane	41.2		50.0		82.3	50-200			

Matrix Spike Dup (2240024-MSD1)

Source: E209150-16

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.6	38-132	0.227	20	
Surrogate: n-Nonane	39.1		50.0		78.2	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:27:39PM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240026-BLK1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	ND	20.0							
LCS (2240026-BS1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	259	20.0	250		104	90-110			
LCS Dup (2240026-BSD1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	256	20.0	250		103	90-110	0.934	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/28/22 16:27

- 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.

Chain of Custody

Project Information

Client: Souder Miller + Associates
 Project: Tomb Raider 1-12-62H
 Project Manager: Heather Woods
 Address: 201 S. Hahagueno
 City, State, Zip: Carlsbad, NM 88230
 Phone: _____
 Email: _____
 Report due by: _____

Bill To
 Attention: Devon
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____
 WO# 20987302

Lab Use Only										TAT		EPA Program		
Lab WO#		Job Number		1D		2D		RCRA		CWA		SDWA		
PE209150		01058-0007		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>								
Analysis and Method										State				
SIOR by ORO/CHC	SIOR by H015	BTX by R021	VOC by R260	Metals 6010	Chloride 300.0	BCIDOC - NM	BCIDOC - TX	NM	CO	UT	AZ	Remarks		
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						
								<input checked="" type="checkbox"/>						

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
0950	9/23/22	Soil	1	SC-81	1
0951	9/23/22	Soil	1	SC-82	2
0952	9/23/22	Soil	1	SC-83	3
0953	9/23/22	Soil	1	SC-84	4
0954	9/23/22	Soil	1	SC-85	5
0955	9/23/22	Soil	1	SC-86	6
0956	9/23/22	Soil	1	SC-87	7
0957	9/23/22	Soil	1	SC-88	8
1012	9/23/22	Soil	1	SC-89	9
1013	9/23/22	Soil	1	SC-90	10

Additional Instructions:

Please send to Heather Woods, Sarahmay Schlea, Georgeann Goodman

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

Relinquished by: (Signature)			Received by: (Signature)			Lab Use Only		
Date	Time		Date	Time		Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N		
9/23/22	5:00		9/23/22	4:15		T1 _____ T2 _____ T3 _____		
Date	Time		Date	Time		AVG Temp °C <u>4</u>		
9/23/22	4:15		9/23/22	10:45				

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

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

envirotech

Chain of Custody

Project Information

Client: Snyder, Muller + Associates
 Project: Tomb Raider 1-12-62H
 Project Manager: Heather Woods
 Address: 201 S Hualqueno
 City, State, Zip: Carlsbad, NM 88220
 Phone: _____
 Email: _____

Bill To
 Attention: Devon
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

WO# 20987302

Lab Use Only		TAT	EPA Program		
Lab WO#	Job Number	TD	RCRA	CWA	SDWA
<u>PE 209150</u>	<u>01058-0007</u>	<u>20</u>			
Analysis and Method					

State

NM CO UT AZ

TX OK

Remarks

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	TS by ORO/CHC	TS by RO15	GRO/DRO by RO15	PTX by RO21	VOC by R260	Metals 6010	Chloride 300.0	BCDOC - NM	BCDOC - TX	Remarks
1014	9/23/22	Soil	1	SC-91	11								X		
1015	9/23/22	Soil	1	SC-92	12								X		
1016	9/23/22	Soil	1	SC-93	13								X		
1017	9/23/22	Soil	1	SC-94	14								X		
1018	9/23/22	Soil	1	SC-95	15								X		
1019	9/23/22	Soil	1	SC-96	16								X		
1020	9/23/22	Soil	1	SC-97	17								X		
1021	9/23/22	Soil	1	SC-98	18								X		
1022	9/23/22	Soil	1	SC-99	19								X		
1023	9/23/22	Soil	1	SC-100	20								X		

Additional Instructions:

Please send to Heather Woods, Sarahmay Schlea, Georgeann Goodman

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	9/23/22	5:00	<u>[Signature]</u>	9/26/22	11:30	Received on ice: <u>Y/N</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
<u>[Signature]</u>	9-26-22	4:15	<u>[Signature]</u>	9/27/22	10:45	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C <u>4</u>

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 9/27/2022 1:54:05PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/27/22 10:45	Work Order ID:	E209150
Phone:	(575) 200-5443	Date Logged In:	09/27/22 08:35	Logged In By:	Caitlin Christian
Email:		Due Date:	09/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project has been separated into 4 reports due to amount of samples. Workorders are as follows:

E209148 COC pg 1&2 of 8, E209149 COC pg 3&4 of 8, E209150 COC pg 5&6 of 8, E209151 COC pg 7&8 of 8.

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12-62H

Work Order: E209151

Job Number: 01058-0007

Received: 9/27/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/28/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/28/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12-62H
Workorder: E209151
Date Received: 9/27/2022 10:45:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/27/2022 10:45:00AM, under the Project Name: Tomb Raider 1-12-62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12-62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported: 09/28/22 16:31
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-101	E209151-01A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-102	E209151-02A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-103	E209151-03A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-104	E209151-04A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-105	E209151-05A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-106	E209151-06A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-107	E209151-07A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-108	E209151-08A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-109	E209151-09A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-110	E209151-10A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-111	E209151-11A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-112	E209151-12A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-113	E209151-13A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-114	E209151-14A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-115	E209151-15A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-116	E209151-16A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.
SC-117	E209151-17A	Soil	09/23/22	09/27/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-101

E209151-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		09/27/22	09/27/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88.7 %	70-130		09/27/22	09/27/22	
<i>Surrogate: Toluene-d8</i>	96.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		09/27/22	09/27/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	88.7 %	70-130		09/27/22	09/27/22	
<i>Surrogate: Toluene-d8</i>	96.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
<i>Surrogate: n-Nonane</i>	67.3 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-102

E209151-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.9 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	69.3 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-103

E209151-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.0 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		102 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		89.6 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.0 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		69.5 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	23.3	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-104

E209151-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		84.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.0 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		84.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.0 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		71.7 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	33.2	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-105

E209151-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.8 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		100 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.8 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		71.1 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	29.0	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-106

E209151-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.3 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	96.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	91.3 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	96.7 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	71.4 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-107

E209151-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	97.9 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.1 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	71.7 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-108

E209151-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.5 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		69.9 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	30.6	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-109

E209151-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	96.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	96.4 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	72.0 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	23.5	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-110

E209151-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	87.9 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	87.9 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	98.0 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	73.2 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-111

E209151-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		88.1 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.7 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		88.1 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		98.7 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane		74.6 %	50-200	09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	21.1	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-112

E209151-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.1 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.1 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/27/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/27/22	
Surrogate: n-Nonane	75.3 %	50-200		09/27/22	09/27/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	67.8	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-113

E209151-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.2 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.3 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	71.2 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	27.1	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-114

E209151-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.9 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene		101 %	70-130	09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4		92.5 %	70-130	09/27/22	09/27/22	
Surrogate: Toluene-d8		97.9 %	70-130	09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane		72.3 %	50-200	09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-115

E209151-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.5 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	72.4 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	20.1	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-116

E209151-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/27/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/27/22	
Toluene	ND	0.0250	1	09/27/22	09/27/22	
o-Xylene	ND	0.0250	1	09/27/22	09/27/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/27/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/27/22	
Surrogate: Bromofluorobenzene	99.5 %	70-130		09/27/22	09/27/22	
Surrogate: 1,2-Dichloroethane-d4	90.5 %	70-130		09/27/22	09/27/22	
Surrogate: Toluene-d8	97.6 %	70-130		09/27/22	09/27/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	25.0	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	71.8 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	143	20.0	1	09/27/22	09/27/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/28/2022 4:31:10PM

SC-117

E209151-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Benzene	ND	0.0250	1	09/27/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/27/22	09/28/22	
Toluene	ND	0.0250	1	09/27/22	09/28/22	
o-Xylene	ND	0.0250	1	09/27/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/27/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	86.6 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	96.3 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2240034
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/27/22	09/28/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		09/27/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	86.6 %	70-130		09/27/22	09/28/22	
Surrogate: Toluene-d8	96.3 %	70-130		09/27/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240025
Diesel Range Organics (C10-C28)	ND	25.0	1	09/27/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/27/22	09/28/22	
Surrogate: n-Nonane	72.8 %	50-200		09/27/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2240022
Chloride	ND	20.0	1	09/27/22	09/27/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:31:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240034-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.5	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			

LCS (2240034-BS1)

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.31	0.0250	2.50		92.6	70-130			
Ethylbenzene	2.44	0.0250	2.50		97.6	70-130			
Toluene	2.30	0.0250	2.50		92.0	70-130			
o-Xylene	2.48	0.0250	2.50		99.2	70-130			
p,m-Xylene	4.82	0.0500	5.00		96.4	70-130			
Total Xylenes	7.30	0.0250	7.50		97.4	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.451		0.500		90.1	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.2	70-130			

Matrix Spike (2240034-MS1)

Source: E209151-02

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.24	0.0250	2.50	ND	89.5	48-131			
Ethylbenzene	2.39	0.0250	2.50	ND	95.7	45-135			
Toluene	2.24	0.0250	2.50	ND	89.7	48-130			
o-Xylene	2.43	0.0250	2.50	ND	97.0	43-135			
p,m-Xylene	4.70	0.0500	5.00	ND	93.9	43-135			
Total Xylenes	7.12	0.0250	7.50	ND	95.0	43-135			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.434		0.500		86.7	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.5	70-130			

Matrix Spike Dup (2240034-MSD1)

Source: E209151-02

Prepared: 09/27/22 Analyzed: 09/28/22

Benzene	2.28	0.0250	2.50	ND	91.2	48-131	1.88	23	
Ethylbenzene	2.44	0.0250	2.50	ND	97.7	45-135	2.07	27	
Toluene	2.28	0.0250	2.50	ND	91.1	48-130	1.53	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	1.74	27	
p,m-Xylene	4.81	0.0500	5.00	ND	96.2	43-135	2.37	27	
Total Xylenes	7.28	0.0250	7.50	ND	97.0	43-135	2.15	27	
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.445		0.500		89.0	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:31:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240034-BLK1)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.5	70-130			
Surrogate: Toluene-d8	0.478		0.500		95.6	70-130			

LCS (2240034-BS2)

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.8	70-130			
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike (2240034-MS2)

Source: E209151-02

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.3	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.421		0.500		84.2	70-130			
Surrogate: Toluene-d8	0.498		0.500		99.6	70-130			

Matrix Spike Dup (2240034-MSD2)

Source: E209151-02

Prepared: 09/27/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	3.02	20	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.427		0.500		85.3	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:31:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240025-BLK1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	33.1		50.0		66.1	50-200			

LCS (2240025-BS1)

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	216	25.0	250		86.3	38-132			
Surrogate: n-Nonane	33.4		50.0		66.8	50-200			

Matrix Spike (2240025-MS1)

Source: E209151-14

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	217	25.0	250	ND	86.6	38-132			
Surrogate: n-Nonane	34.1		50.0		68.1	50-200			

Matrix Spike Dup (2240025-MSD1)

Source: E209151-14

Prepared: 09/27/22 Analyzed: 09/27/22

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.5	38-132	2.53	20	
Surrogate: n-Nonane	33.9		50.0		67.7	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/28/2022 4:31:10PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2240022-BLK1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	ND	20.0							
LCS (2240022-BS1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240022-BSD1)					Prepared: 09/27/22 Analyzed: 09/27/22				
Chloride	261	20.0	250		104	90-110	0.263	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/28/22 16:31

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

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

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



Chain of Custody

Project Information

Client: Saunders Miller + Associates
Project: Tomb Raider 1-12-102H
Project Manager: Heather Woods
Address: 201 S Halaqueno
City, State, Zip: Carlsbad, NM 88220
Phone: _____
Email: _____

Bill To
Attention: Devon
Address: _____
City, State, Zip: _____
Phone: _____
Email: _____
WO# 20987302

Lab Use Only
Lab WO# PE209151 Job Number 01058-0007
Analysis and Method

1D	3D	TAT	RCRA	CWA	SDWA

State: _____

NM	CO	UT	AZ
X			
TX	OK		

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
1024	9/23/22	Soil	1	SC-101	1
1025	9/23/22	Soil	1	SC-102	2
1026	9/23/22	Soil	1	SC-103	3
1027	9/23/22	Soil	1	SC-104	4
1028	9/23/22	Soil	1	SC-105	5
1029	9/23/22	Soil	1	SC-106	6
1030	9/23/22	Soil	1	SC-107	7
1031	9/23/22	Soil	1	SC-108	8
1032	9/23/22	Soil	1	SC-109	9
1033	9/23/22	Soil	1	SC-110	10

DRO/DRO by 8015	GRO/DRO by 8015	RTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	

Additional Instructions:
Please send to Heather Woods, Sarahmy Schlea, Georgeann Goodman

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	9/23/22	5:00	<u>[Signature]</u>	9-26-22	11:3
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
<u>[Signature]</u>	9-26-22	4:15	<u>[Signature]</u>	9/27/22	10:45
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Lab Use Only
Received on ice: Y / N
T1 _____ T2 _____ T3 _____
AVG Temp °C 4

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

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

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

envirotech

Envirotech Analytical Laboratory

Printed: 9/27/2022 1:54:36PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/27/22 10:45	Work Order ID:	E209151
Phone:	(575) 200-5443	Date Logged In:	09/27/22 08:38	Logged In By:	Caitlin Christian
Email:		Due Date:	09/28/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Tomb Raider 1-12-62H

Work Order: E209159

Job Number: 01058-0007

Received: 9/28/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/29/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/29/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Tomb Raider 1-12-62H
Workorder: E209159
Date Received: 9/28/2022 10:00:00AM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/28/2022 10:00:00AM, under the Project Name: Tomb Raider 1-12-62H.

The analytical test results summarized in this report with the Project Name: Tomb Raider 1-12-62H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/29/22 15:33

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-118	E209159-01A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-119	E209159-02A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-120	E209159-03A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-121	E209159-04A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-122	E209159-05A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-123	E209159-06A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-124	E209159-07A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-125	E209159-08A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-126	E209159-09A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-127	E209159-10A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-128	E209159-11A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-129	E209159-12A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-130	E209159-13A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-131	E209159-14A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-132	E209159-15A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-133	E209159-16A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-134	E209159-17A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-135	E209159-18A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-136	E209159-19A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-137	E209159-20A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-138	E209159-21A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-139	E209159-22A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-140	E209159-23A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-141	E209159-24A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-142	E209159-25A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-143	E209159-26A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-144	E209159-27A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-145	E209159-28A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-146	E209159-29A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.
SC-147	E209159-30A	Soil	09/26/22	09/28/22	Glass Jar, 4 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-118

E209159-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	100 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	61.6	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane	86.3 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	248	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-119

E209159-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	75.7	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	72.4	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane	85.4 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	198	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-120

E209159-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	104 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	134	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	143	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane	78.3 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	113	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-121

E209159-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	87.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	87.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	116	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	104	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane	86.4 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	101	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-122

E209159-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	67.5	25.0	1	09/28/22	09/28/22	
Oil Range Organics (C28-C36)	64.0	50.0	1	09/28/22	09/28/22	
Surrogate: n-Nonane	84.6 %	50-200		09/28/22	09/28/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	85.4	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-123

E209159-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	124	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	325	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.6 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	238	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-124

E209159-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	35.2	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	105	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	84.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	82.5	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-125

E209159-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	44.9	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	81.1	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	87.0 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	214	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-126

E209159-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	91.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	28.8	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	84.7 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	24.3	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-127

E209159-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	23.4	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-128

E209159-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.1 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	158	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	547	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	84.0 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	262	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-129

E209159-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	36.8	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	109	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	82.1 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	23.5	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-130

E209159-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	79.0 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	375	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-131

E209159-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	84.5 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	355	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-132

E209159-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	35.0	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	83.2 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	341	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-133

E209159-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	105 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	29.6	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.2 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	352	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-134

E209159-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	92.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	25.2	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	82.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	284	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-135

E209159-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	107 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	83.7 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	228	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-136

E209159-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	97.0 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	92.3 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	106 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	27.6	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.3 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	225	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-137

E209159-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Benzene	ND	0.0250	1	09/28/22	09/29/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/29/22	
Toluene	ND	0.0250	1	09/28/22	09/29/22	
o-Xylene	ND	0.0250	1	09/28/22	09/29/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/29/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	108 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240063
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/29/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		09/28/22	09/29/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/28/22	09/29/22	
Surrogate: Toluene-d8	108 %	70-130		09/28/22	09/29/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	83.3 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240067
Chloride	154	20.0	1	09/28/22	09/29/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-138

E209159-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	72.2	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	75.6	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	83.9 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	363	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-139

E209159-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	98.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.1 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.1 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	77.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	380	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-140

E209159-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	73.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	102 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	73.0 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	102 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	29.1	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.8 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	811	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-141

E209159-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.4 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	83.2 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	73.7	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-142

E209159-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	97.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.6 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	97.9 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.0 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	302	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-143

E209159-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	99.0 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.7 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	315	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-144

E209159-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	95.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.3 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	82.4 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	629	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-145

E209159-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.6 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	98.2 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.6 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	80.4 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	941	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-146

E209159-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.3 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	98.7 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	85.1 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	476	20.0	1	09/28/22	09/28/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Tomb Raider 1-12-62H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
9/29/2022 3:33:10PM

SC-147

E209159-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Benzene	ND	0.0250	1	09/28/22	09/28/22	
Ethylbenzene	ND	0.0250	1	09/28/22	09/28/22	
Toluene	ND	0.0250	1	09/28/22	09/28/22	
o-Xylene	ND	0.0250	1	09/28/22	09/28/22	
p,m-Xylene	ND	0.0500	1	09/28/22	09/28/22	
Total Xylenes	ND	0.0250	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2240064
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/28/22	09/28/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		09/28/22	09/28/22	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		09/28/22	09/28/22	
Surrogate: Toluene-d8	99.0 %	70-130		09/28/22	09/28/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2240046
Diesel Range Organics (C10-C28)	ND	25.0	1	09/28/22	09/29/22	
Oil Range Organics (C28-C36)	ND	50.0	1	09/28/22	09/29/22	
Surrogate: n-Nonane	82.5 %	50-200		09/28/22	09/29/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2240066
Chloride	587	20.0	1	09/28/22	09/28/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240063-BLK1)

Prepared: 09/28/22 Analyzed: 09/29/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2240063-BS1)

Prepared: 09/28/22 Analyzed: 09/29/22

Benzene	2.20	0.0250	2.50		88.1	70-130			
Ethylbenzene	2.20	0.0250	2.50		88.1	70-130			
Toluene	2.17	0.0250	2.50		86.9	70-130			
o-Xylene	2.08	0.0250	2.50		83.0	70-130			
p,m-Xylene	4.13	0.0500	5.00		82.5	70-130			
Total Xylenes	6.20	0.0250	7.50		82.7	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.8	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

LCS Dup (2240063-BSD1)

Prepared: 09/28/22 Analyzed: 09/29/22

Benzene	2.10	0.0250	2.50		84.0	70-130	4.79	23	
Ethylbenzene	2.16	0.0250	2.50		86.3	70-130	2.13	27	
Toluene	2.13	0.0250	2.50		85.2	70-130	2.00	24	
o-Xylene	2.03	0.0250	2.50		81.1	70-130	2.31	27	
p,m-Xylene	4.00	0.0500	5.00		79.9	70-130	3.20	27	
Total Xylenes	6.03	0.0250	7.50		80.3	70-130	2.90	27	
Surrogate: Bromofluorobenzene	0.504		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported: 9/29/2022 3:33:10PM
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240064-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2240064-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Benzene	2.18	0.0250	2.50		87.3	70-130			
Ethylbenzene	2.11	0.0250	2.50		84.2	70-130			
Toluene	2.13	0.0250	2.50		85.4	70-130			
o-Xylene	2.13	0.0250	2.50		85.1	70-130			
p,m-Xylene	4.19	0.0500	5.00		83.9	70-130			
Total Xylenes	6.32	0.0250	7.50		84.3	70-130			
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	0.492		0.500		98.4	70-130			

LCS Dup (2240064-BSD1)

Prepared: 09/28/22 Analyzed: 09/28/22

Benzene	2.17	0.0250	2.50		86.6	70-130	0.736	23	
Ethylbenzene	2.10	0.0250	2.50		83.9	70-130	0.404	27	
Toluene	2.11	0.0250	2.50		84.5	70-130	1.08	24	
o-Xylene	2.11	0.0250	2.50		84.5	70-130	0.708	27	
p,m-Xylene	4.19	0.0500	5.00		83.8	70-130	0.0477	27	
Total Xylenes	6.30	0.0250	7.50		84.0	70-130	0.269	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240063-BLK1)

Prepared: 09/28/22 Analyzed: 09/29/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

LCS (2240063-BS2)

Prepared: 09/28/22 Analyzed: 09/29/22

Gasoline Range Organics (C6-C10)	52.1	20.0	50.0		104	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2240063-BSD2)

Prepared: 09/28/22 Analyzed: 09/29/22

Gasoline Range Organics (C6-C10)	52.5	20.0	50.0		105	70-130	0.786	20	
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240064-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.490		0.500		98.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.5	70-130			
Surrogate: Toluene-d8	0.500		0.500		99.9	70-130			

LCS (2240064-BS2)

Prepared: 09/28/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	40.7	20.0	50.0		81.5	70-130			
Surrogate: Bromofluorobenzene	0.499		0.500		99.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			

LCS Dup (2240064-BSD2)

Prepared: 09/28/22 Analyzed: 09/28/22

Gasoline Range Organics (C6-C10)	46.3	20.0	50.0		92.5	70-130	12.7	20	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.7	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

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

Blank (2240041-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	41.2		50.0		82.4	50-200			

LCS (2240041-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Diesel Range Organics (C10-C28)	224	25.0	250		89.7	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			

Matrix Spike (2240041-MS1)					Source: E209159-15		Prepared: 09/28/22 Analyzed: 09/28/22		
Diesel Range Organics (C10-C28)	242	25.0	250	35.0	82.7	38-132			
Surrogate: n-Nonane	41.4		50.0		82.8	50-200			

Matrix Spike Dup (2240041-MSD1)					Source: E209159-15		Prepared: 09/28/22 Analyzed: 09/28/22		
Diesel Range Organics (C10-C28)	255	25.0	250	35.0	87.9	38-132	5.22	20	
Surrogate: n-Nonane	43.8		50.0		87.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2240046-BLK1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.9		50.0		93.7	50-200			

LCS (2240046-BS1)

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	215	25.0	250		85.8	38-132			
Surrogate: n-Nonane	43.9		50.0		87.8	50-200			

Matrix Spike (2240046-MS1)

Source: E209159-27

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.0	38-132			
Surrogate: n-Nonane	42.6		50.0		85.2	50-200			

Matrix Spike Dup (2240046-MSD1)

Source: E209159-27

Prepared: 09/28/22 Analyzed: 09/28/22

Diesel Range Organics (C10-C28)	240	25.0	250	ND	96.1	38-132	1.00	20	
Surrogate: n-Nonane	42.9		50.0		85.9	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2240066-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240066-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	259	20.0	250		104	90-110			
LCS Dup (2240066-BSD1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	259	20.0	250		104	90-110	0.140	20	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	9/29/2022 3:33:10PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2240067-BLK1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	ND	20.0							
LCS (2240067-BS1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	262	20.0	250		105	90-110			
LCS Dup (2240067-BSD1)					Prepared: 09/28/22 Analyzed: 09/28/22				
Chloride	261	20.0	250		105	90-110	0.327	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Tomb Raider 1-12-62H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	09/29/22 15:33

- 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.



Chain of Custody

Project Information

Client: Sander Miller & Associates
 Project: Tomb Raider 1-12-2024
 Project Manager: Heather Woods
 Address: 201 S. Halaquen
 City, State, Zip: Carlsbad, NM 88220
 Phone: _____
 Email: _____

Bill To

Attention: Devon

Address: _____

City, State, Zip: _____

Phone: _____

Email: _____

WO# 20987302

Report due by: _____

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
0904	9/26/22	Soil	1	SC-118	1
0905	9/26/22	Soil	1	SC-119	2
0906	9/26/22	Soil	1	SC-120	3
0907	9/26/22	Soil	1	SC-121	4
0908	9/26/22	Soil	1	SC-122	5
0909	9/26/22	Soil	1	SC-123	6
0910	9/26/22	Soil	1	SC-124	7
0911	9/26/22	Soil	1	SC-125	8
0912	9/26/22	Soil	1	SC-126	9
0913	9/26/22	Soil	1	SC-127	10

Lab Use Only		TAT	EPA Program		
Lab WO#	Job Number	10 BD	RCRA	CWA	SDWA
<u>20987302</u>	<u>00580007</u>	<u>X</u>			
Analysis and Method			State		
			NM	CO	UT
			TX	OK	
			Remarks		

DRO/DRO by 8015	GRO/DRO by 8015	ITEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	
						X	

Additional Instructions:

Please send to Heather Woods, Sarahmary Schlee, Georgann Goodman
 (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or

Samples requiring thermal preservation must be received on ice the day they are sampled or
 received packed in ice at an avg temp above 0 but less than 5°C on subsequent days

time of collection is considered fraud and may be grounds for legal action. Sampled by:

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Received on ice: Y N

Lab Use Only

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

T1

T2

T3

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

AVG Temp °C 4

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

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA
 Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

envirotech

Project Information

envirotech

Chain of Custody

Project Information

Client: Souder Miller & Associates
 Project: Tomb Raider 1-12-62 H
 Project Manager: Heather Woods
 Address: 201 S. Higuero
 City, State, Zip: Las Alamos, NM 88720
 Phone: _____
 Email: _____

Bill To
 Attention: Devon
 Address: _____
 City, State, Zip: _____
 Phone: _____
 Email: _____

WO# 20987302

Lab Use Only										TAT			EPA Program		
Lab WO#		Job Number		Analysis and Method		RCRA		CWA		SDWA		State			
PE209159		101058007													
PHO/CHO by 8015	GRO/DRO by 8015	RTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks							
						X									
						X									
						X									
						X									
						X									
						X									
						X									
						X									
						X									
						X									
						X									
						X									

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number
0924	9/26/22	Soil	1	SC-138	21
0925	9/26/22	Soil	1	SC-139	22
0926	9/26/22	Soil	1	SC-140	23
0927	9/26/22	Soil	1	SC-141	24
0928	9/26/22	Soil	1	SC-142	25
0929	9/26/22	Soil	1	SC-143	26
0930	9/26/22	Soil	1	SC-144	27
0931	9/26/22	Soil	1	SC-145	28
0932	9/26/22	Soil	1	SC-146	29
0933	9/26/22	Soil	1	SC-147	30

Additional Instructions:

Please Send to Heather Woods, Sarahmay Schlee, Georgeann Goodman

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

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Relinquished by: (Signature)

Date

Time

Received by: (Signature)

Date

Time

Lab Use Only
 Received on ice: ☒ Y ☐ N

T1 _____ T2 _____ T3 _____

AVG Temp °C 4

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

Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other

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

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Envirotech Analytical Laboratory

Printed: 9/28/2022 11:51:22AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	09/28/22 10:00	Work Order ID:	E209159
Phone:	(575) 200-5443	Date Logged In:	09/27/22 16:15	Logged In By:	Alexa Michaels
Email:		Due Date:	09/29/22 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: UPSComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Devon Tomb Raider 1-12 Fed
#062H

Work Order: E210001

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/5/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Devon Tomb Raider 1-12 Fed #062H
Workorder: E210001
Date Received: 10/3/2022 12:54:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 12:54:00PM, under the Project Name: Devon Tomb Raider 1-12 Fed #062H.

The analytical test results summarized in this report with the Project Name: Devon Tomb Raider 1-12 Fed #062H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
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Rayny Hagan
Technical Representative
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported: 10/05/22 16:52
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS-1	E210001-01A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-2	E210001-02A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-3	E210001-03A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-4	E210001-04A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-5	E210001-05A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-6	E210001-06A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-7	E210001-07A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-8	E210001-08A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-9	E210001-09A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-10	E210001-10A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-11	E210001-11A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-12	E210001-12A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-13	E210001-13A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-14	E210001-14A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.
SS-15	E210001-15A	Soil	09/29/22	10/03/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-1

E210001-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	81.4 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
	87.0 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	232	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-2

E210001-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.5 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		85.8 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	530	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-3

E210001-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		80.1 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>		86.0 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	592	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-4

E210001-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		86.9 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	304	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-5

E210001-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		87.0 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	414	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-6

E210001-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		85.7 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	386	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-7

E210001-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.9 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>		87.7 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	353	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-8

E210001-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2241028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		81.4 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2241034	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		85.1 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: KL		Batch: 2241027	
Chloride	427	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-9

E210001-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		80.6 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>						
		84.6 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	341	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-10

E210001-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		83.0 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	400	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-11

E210001-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.1 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		82.1 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	625	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-12

E210001-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.7 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	58.3	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	91.6	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		88.4 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	224	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-13

E210001-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.7 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		90.5 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	254	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-14

E210001-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.1 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		87.3 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241027
Chloride	103	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:52:54PM

SS-15

E210001-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	mg/kg	Analyst: IY		Batch: 2241028
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	mg/kg	Analyst: IY		Batch: 2241028
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		82.9 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	mg/kg	Analyst: JL		Batch: 2241034
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>		86.9 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A		mg/kg	mg/kg	Analyst: KL		Batch: 2241027
Chloride	225	20.0	1	10/03/22	10/04/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:52:54PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241028-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			

LCS (2241028-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	5.22	0.0250	5.00		104	70-130			
Ethylbenzene	4.25	0.0250	5.00		85.1	70-130			
Toluene	4.54	0.0250	5.00		90.8	70-130			
o-Xylene	4.37	0.0250	5.00		87.3	70-130			
p,m-Xylene	8.61	0.0500	10.0		86.1	70-130			
Total Xylenes	13.0	0.0250	15.0		86.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.46		8.00		106	70-130			

LCS Dup (2241028-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	5.47	0.0250	5.00		109	70-130	4.68	20	
Ethylbenzene	4.48	0.0250	5.00		89.6	70-130	5.22	20	
Toluene	4.77	0.0250	5.00		95.4	70-130	4.84	20	
o-Xylene	4.60	0.0250	5.00		91.9	70-130	5.12	20	
p,m-Xylene	9.07	0.0500	10.0		90.7	70-130	5.19	20	
Total Xylenes	13.7	0.0250	15.0		91.1	70-130	5.17	20	
Surrogate: 4-Bromochlorobenzene-PID	8.30		8.00		104	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:52:54PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241028-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.25		8.00		78.1	70-130			

LCS (2241028-BS2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	50.5	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.61		8.00		82.6	70-130			

LCS Dup (2241028-BSD2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.7	70-130	2.31	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.54		8.00		81.7	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:52:54PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241034-BLK1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	43.7		50.0		87.4	50-200			

LCS (2241034-BS1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	202	25.0	250		80.7	38-132			
Surrogate: <i>n</i> -Nonane	42.6		50.0		85.1	50-200			

Matrix Spike (2241034-MS1)

Source: E210001-12

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	214	25.0	250	58.3	62.5	38-132			
Surrogate: <i>n</i> -Nonane	42.7		50.0		85.4	50-200			

Matrix Spike Dup (2241034-MSD1)

Source: E210001-12

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	265	25.0	250	58.3	82.5	38-132	21.0	20	R3
Surrogate: <i>n</i> -Nonane	45.3		50.0		90.6	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:52:54PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2241027-BLK1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	ND	20.0							
LCS (2241027-BS1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	259	20.0	250		104	90-110			
LCS Dup (2241027-BSD1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	260	20.0	250		104	90-110	0.389	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 16:52

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



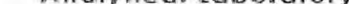
Project Information

Chain of Custody

Page 1 of 2

Client: <u>Souder, Miller & Associates</u>					Report Attention		Lab Use Only						TAT		EPA Program					
Project: <u>Devon Tomb Raider 1-12 Fed #062H</u>					Report due by: <u>Devon</u>		Lab WO# <u>PE20001</u>			Job Number <u>01058-0007</u>			1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Heather Woods</u>					Attention:		Analysis and Method										State			
Address: <u>201 S. Halaqueno</u>					Address:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BC-DOC				NM	CO	UT	AZ
City, State, Zip <u>Carlsbad, NM 88220</u>					City, State, Zip															
Phone: <u>(505) 716-2787</u>					Phone:															
Email: <u>Heather.Woods@Soudermiller.com</u>					Email: <u>WO# 20995421</u>															
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number															Remarks
1237	9/29/22	S	1	SS-1	1															
1239	9/29/22	S	1	SS-2	2															
1241	9/29/22	S	1	SS-3	3															
1243	9/29/22	S	1	SS-4	4															
1245	9/29/22	S	1	SS-5	5															
1247	9/29/22	S	1	SS-6	6															
1250	9/29/22	S	1	SS-7	7															
1252	9/29/22	S	1	SS-8	8															
1254	9/29/22	S	1	SS-9	9															
1256	9/29/22	S	1	SS-10	10															
Additional Instructions: Please email results to <u>Sarahmay.Schlee@Soudermiller.com</u> and <u>Georgann.Goodman@Soudermiller.com</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Heather M. Woods</u>												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
<u>Heather M. Woods</u>		10/3/22		1252		<u>Heather M. Woods</u>		10/3/22		12:54		Received on ice: <u>(Y)</u> / N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 T2 T3								
												AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Chain of Custody


 5796 US Highway 64, Farmington, NM 87401 Ph (505) 632-1881 Fx (505) 632-1855 envirotech-inc.com
 24-Hour Emergency Response Phone: (800) 302-1879 labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/3/2022 2:13:01PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	10/03/22 12:54	Work Order ID:	E210001
Phone:	(575) 200-5443	Date Logged In:	10/03/22 13:17	Logged In By:	Caitlin Christian
Email:		Due Date:	10/05/22 17:00 (2 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Heather WoodsComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Devon Tomb Raider 1-12 Fed
#062H

Work Order: E210002

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/5/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Devon Tomb Raider 1-12 Fed #062H
Workorder: E210002
Date Received: 10/3/2022 12:56:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 12:56:00PM, under the Project Name: Devon Tomb Raider 1-12 Fed #062H.

The analytical test results summarized in this report with the Project Name: Devon Tomb Raider 1-12 Fed #062H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	
			10/05/22 16:24

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SC-119 R	E210002-01A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-120 R	E210002-02A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-121 R	E210002-03A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-122 R	E210002-04A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-123 R	E210002-05A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-124 R	E210002-06A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-125 R	E210002-07A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-128 R	E210002-08A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-129 R	E210002-09A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-138 R	E210002-10A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-140 R	E210002-11A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-144 R	E210002-12A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-145 R	E210002-13A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SC-147 R	E210002-14A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-119 R

E210002-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		10/03/22	10/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.5 %	70-130		10/03/22	10/03/22	
<i>Surrogate: Toluene-d8</i>	107 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
<i>Surrogate: Bromofluorobenzene</i>	97.7 %	70-130		10/03/22	10/03/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	96.5 %	70-130		10/03/22	10/03/22	
<i>Surrogate: Toluene-d8</i>	107 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>	111 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	44.2	20.0	1	10/03/22	10/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-120 R

E210002-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	95.8 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	111 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	67.2	20.0	1	10/03/22	10/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-121 R

E210002-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	110 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	31.5	20.0	1	10/03/22	10/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-122 R

E210002-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	94.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	113 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	33.5	20.0	1	10/03/22	10/03/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-123 R

E210002-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	32.2	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	110 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	21.6	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-124 R

E210002-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	112 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-125 R

E210002-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	95.4 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	112 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-128 R

E210002-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	93.9 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	27.0	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	56.5	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	114 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-129 R

E210002-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	31.8	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	71.7	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	113 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	88.3	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-138 R

E210002-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	97.5 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	109 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	46.8	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-140 R

E210002-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	110 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-144 R

E210002-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	91.7 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	111 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	115	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-145 R

E210002-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	26.4	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	115 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	125	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:24:25PM

SC-147 R

E210002-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Benzene	ND	0.0250	1	10/03/22	10/03/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/03/22	
Toluene	ND	0.0250	1	10/03/22	10/03/22	
o-Xylene	ND	0.0250	1	10/03/22	10/03/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/03/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241029
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/03/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/03/22	10/03/22	
Surrogate: 1,2-Dichloroethane-d4	95.2 %	70-130		10/03/22	10/03/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/03/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241035
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	116 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241026
Chloride	ND	20.0	1	10/03/22	10/04/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:24:25PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2241029-BLK1)

Prepared: 10/03/22 Analyzed: 10/03/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2241029-BS1)

Prepared: 10/03/22 Analyzed: 10/03/22

Benzene	2.08	0.0250	2.50		83.2	70-130			
Ethylbenzene	2.12	0.0250	2.50		84.7	70-130			
Toluene	2.08	0.0250	2.50		83.2	70-130			
o-Xylene	2.02	0.0250	2.50		80.9	70-130			
p,m-Xylene	3.96	0.0500	5.00		79.2	70-130			
Total Xylenes	5.99	0.0250	7.50		79.8	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	0.524		0.500		105	70-130			

LCS Dup (2241029-BSD1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	2.33	0.0250	2.50		93.2	70-130	11.3	23	
Ethylbenzene	2.34	0.0250	2.50		93.7	70-130	10.1	27	
Toluene	2.33	0.0250	2.50		93.2	70-130	11.4	24	
o-Xylene	2.23	0.0250	2.50		89.2	70-130	9.69	27	
p,m-Xylene	4.39	0.0500	5.00		87.8	70-130	10.3	27	
Total Xylenes	6.62	0.0250	7.50		88.3	70-130	10.1	27	
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.3	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:24:25PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241029-BLK1)

Prepared: 10/03/22 Analyzed: 10/03/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.474		0.500		94.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

LCS (2241029-BS2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	51.7	20.0	50.0		103	70-130			
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

LCS Dup (2241029-BSD2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130	1.25	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.535		0.500		107	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:24:25PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241035-BLK1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			

LCS (2241035-BS1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	223	25.0	250		89.2	38-132			
Surrogate: <i>n</i> -Nonane	56.2		50.0		112	50-200			

Matrix Spike (2241035-MS1)

Source: E210002-06

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	238	25.0	250	ND	95.0	38-132			
Surrogate: <i>n</i> -Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2241035-MSD1)

Source: E210002-06

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	233	25.0	250	ND	93.1	38-132	2.05	20	
Surrogate: <i>n</i> -Nonane	56.6		50.0		113	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:24:25PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2241026-BLK1)					Prepared: 10/03/22 Analyzed: 10/03/22				
Chloride	ND	20.0							
LCS (2241026-BS1)					Prepared: 10/03/22 Analyzed: 10/03/22				
Chloride	261	20.0	250		104	90-110			
LCS Dup (2241026-BSD1)					Prepared: 10/03/22 Analyzed: 10/03/22				
Chloride	262	20.0	250		105	90-110	0.178	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 16:24

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

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

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



Project Information

Chain of Custody

Page 1 of 2

2-DAY

Client: <u>Souder, Miller & Associates</u> Project: <u>Devon Tomb Raider 1-12 Red #002H</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S. Halagueno</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: <u>(505) 716-2787</u> Email: <u>Heather.Woods@soudermiller.com</u>					Report Attention Report due by: <u>Devon</u> Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>WO # 20995421</u>					Lab Use Only Lab WO# <u>PE210002</u> Job Number <u>01058-0007</u> Analysis and Method: _____ DRO/DRO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 300.0 _____ <u>8600C</u>					TAT 1D _____ 3D _____		EPA Program RCRA _____ CWA _____ SDWA _____ State: _____ NM _____ CO _____ UT _____ AZ _____ Remarks: _____			
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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	<u>8600C</u>	1D	3D	RCRA	CWA	SDWA	State	Remarks
1301	9/30/22	S	1	SC-119R	1							X							
1303	9/30/22	S	1	SC-120R	2							X							
1305	9/30/22	S	1	SC-121R	3							X							
1317	9/30/22	S	1	SC-122R	4							X							
1309	9/30/22	S	1	SC-123R	5							X							
1310	9/30/22	S	1	SC-124R	6							X							
1312	9/30/22	S	1	SC-125R	7							X							
1345	9/30/22	S	1	SC-128R	8							X							
1347	9/30/22	S	1	SC-129R	9							X							
1342	9/30/22	S	1	SC-13BR	10							X							

Additional Instructions: Please email results to Sarah May, Schlea@soudermiller.com and George Ann, Goodman@soudermiller.com

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

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

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



5796 US Highway 64, Farmington, NM 87401
 24 Hour Emergency Response Phone (800) 302-1879

Ph (505) 632-1881 Fx (505) 632-1855

envirotech-inc.com
 labadmin@envirotech-inc.com

Chain of Custody



envirotech
Analytical Laboratory

Ph (505) 632-1881 Fax (505) 632-1855

envirotech-inc.com
labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/3/2022 2:16:32PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	10/03/22 12:56	Work Order ID:	E210002
Phone:	(575) 200-5443	Date Logged In:	10/03/22 13:22	Logged In By:	Caitlin Christian
Email:		Due Date:	10/05/22 17:00 (2 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Heather WoodsComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Devon Tomb Raider 1-12 Fed
#062H

Work Order: E210003

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/5/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Devon Tomb Raider 1-12 Fed #062H
Workorder: E210003
Date Received: 10/3/2022 12:55:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 12:55:00PM, under the Project Name: Devon Tomb Raider 1-12 Fed #062H.

The analytical test results summarized in this report with the Project Name: Devon Tomb Raider 1-12 Fed #062H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 16:50

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS-16	E210003-01A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-17	E210003-02A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-18	E210003-03A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-19	E210003-04A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-20	E210003-05A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-21	E210003-06A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-22	E210003-07A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-23	E210003-08A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-24	E210003-09A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-25	E210003-10A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-26	E210003-11A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-27	E210003-12A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-28	E210003-13A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-29	E210003-14A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-30	E210003-15A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-31	E210003-16A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-32	E210003-17A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-33	E210003-18A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-34	E210003-19A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-35	E210003-20A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-16

E210003-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/05/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/05/22	
Toluene	ND	0.0250	1	10/03/22	10/05/22	
o-Xylene	ND	0.0250	1	10/03/22	10/05/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/05/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/05/22	
<i>Surrogate: Bromofluorobenzene</i>	98.5 %	70-130		10/03/22	10/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.5 %	70-130		10/03/22	10/05/22	
<i>Surrogate: Toluene-d8</i>	106 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/05/22	
<i>Surrogate: Bromofluorobenzene</i>	98.5 %	70-130		10/03/22	10/05/22	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	92.5 %	70-130		10/03/22	10/05/22	
<i>Surrogate: Toluene-d8</i>	106 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>	101 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	112	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-17

E210003-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/05/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/05/22	
Toluene	ND	0.0250	1	10/03/22	10/05/22	
o-Xylene	ND	0.0250	1	10/03/22	10/05/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/05/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/05/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/03/22	10/05/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/03/22	10/05/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/05/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/03/22	10/05/22	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		10/03/22	10/05/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	34.4	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	100 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	24.0	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-18

E210003-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	91.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	94.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	91.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	94.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	103 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	95.6	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-19

E210003-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		104 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		106 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		104 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		90.3 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		106 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane		106 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-20

E210003-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		97.4 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		97.4 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane		104 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	88.5	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-21

E210003-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	87.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	90.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	87.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	90.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	105 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-22

E210003-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		95.8 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene		100 %	70-130	10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4		92.0 %	70-130	10/03/22	10/04/22	
Surrogate: Toluene-d8		95.8 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane		106 %	50-200	10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	76.2	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-23

E210003-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	107 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	107 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	104 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	94.1	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-24

E210003-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	99.1 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.4 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	ND	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-25

E210003-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	102 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	99.9	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-26

E210003-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	0.136	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	1.37	0.0250	1	10/03/22	10/04/22	
Toluene	2.13	0.0250	1	10/03/22	10/04/22	
o-Xylene	3.31	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	4.03	0.0500	1	10/03/22	10/04/22	
Total Xylenes	7.34	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	180	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	94.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	101 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	46.0	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-27

E210003-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	94.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	94.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	36.6	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-28

E210003-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.2 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	36.6	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-29

E210003-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.7 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	107 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	24.9	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-30

E210003-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.1 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.8 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	97.1 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	95.3 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	53.8	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-31

E210003-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.9 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	53.0	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	105 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	269	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-32

E210003-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.3 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	95.3 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	99.5 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	39.9	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-33

E210003-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.8 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	98.7 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	137	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-34

E210003-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.0 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	94.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	96.0 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	427	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 4:50:09PM

SS-35

E210003-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Benzene	ND	0.0250	1	10/03/22	10/05/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/05/22	
Toluene	ND	0.0250	1	10/03/22	10/05/22	
o-Xylene	ND	0.0250	1	10/03/22	10/05/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/05/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/05/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/03/22	10/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/03/22	10/05/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241030
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/05/22	
Surrogate: Bromofluorobenzene	99.3 %	70-130		10/03/22	10/05/22	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		10/03/22	10/05/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/05/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241036
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241025
Chloride	588	20.0	1	10/03/22	10/04/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:50:09PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241030-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.440		0.500		88.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.594		0.500		119	70-130			

LCS (2241030-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	2.18	0.0250	2.50		87.2	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.6	70-130			
Toluene	2.40	0.0250	2.50		95.8	70-130			
o-Xylene	2.40	0.0250	2.50		95.9	70-130			
p,m-Xylene	4.49	0.0500	5.00		89.7	70-130			
Total Xylenes	6.88	0.0250	7.50		91.8	70-130			
Surrogate: Bromofluorobenzene	0.500		0.500		99.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.454		0.500		90.8	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2241030-BSD1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	2.16	0.0250	2.50		86.6	70-130	0.714	23	
Ethylbenzene	2.32	0.0250	2.50		92.6	70-130	1.15	27	
Toluene	2.18	0.0250	2.50		87.1	70-130	9.51	24	
o-Xylene	2.40	0.0250	2.50		95.9	70-130	0.0834	27	
p,m-Xylene	4.63	0.0500	5.00		92.7	70-130	3.19	27	
Total Xylenes	7.03	0.0250	7.50		93.8	70-130	2.12	27	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.453		0.500		90.6	70-130			
Surrogate: Toluene-d8	0.493		0.500		98.6	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:50:09PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241030-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.440		0.500		88.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.457		0.500		91.4	70-130			
Surrogate: Toluene-d8	0.594		0.500		119	70-130			

LCS (2241030-BS2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	41.4	20.0	50.0		82.8	70-130			
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.444		0.500		88.8	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS Dup (2241030-BSD2)

Prepared: 10/03/22 Analyzed: 10/05/22

Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130	15.6	20	
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:50:09PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241036-BLK1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	51.7		50.0		103	50-200			

LCS (2241036-BS1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	239	25.0	250		95.7	38-132			
Surrogate: <i>n</i> -Nonane	51.8		50.0		104	50-200			

Matrix Spike (2241036-MS1)

Source: E210003-14

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	247	25.0	250	ND	98.9	38-132			
Surrogate: <i>n</i> -Nonane	52.7		50.0		105	50-200			

Matrix Spike Dup (2241036-MSD1)

Source: E210003-14

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	241	25.0	250	ND	96.5	38-132	2.49	20	
Surrogate: <i>n</i> -Nonane	52.3		50.0		105	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 4:50:09PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2241025-BLK1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	ND	20.0							
LCS (2241025-BS1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	265	20.0	250		106	90-110			
LCS Dup (2241025-BSD1)					Prepared: 10/03/22 Analyzed: 10/04/22				
Chloride	266	20.0	250		107	90-110	0.642	20	

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 16:50

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

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

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



Project Information

Chain of Custody

Page 1 of 5

2-DAY

Client: <u>Souder, Miller & Associates</u> Project: <u>Devon Tomb Raider 1-12 Fed #0424</u> Project Manager: <u>Heather Woods</u> Address: <u>201 S. Halagueno</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: <u>(505) 716-2787</u> Email: <u>Heather.Woods@soudermiller.com</u>					Report Attention Report due by: <u>Devon</u> Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>WO# 20995421</u>					Lab Use Only Lab WO# <u>PE210003</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 _____ GRO/DRO by 8015 _____ BTEX by 8021 _____ VOC by 8260 _____ Metals 6010 _____ Chloride 3000 _____ <u>PCDOC</u>					TAT 1D _____ 3D _____		EPA Program RCRA _____ CWA _____ SDWA _____ State NM _____ CO _____ UT _____ AZ _____ Remarks		
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 3000	PCDOC	1D	3D	RCRA	CWA	SDWA		
1008	9/30/22	S	1	SS-16	1							X							
1012	9/30/22	S	1	SS-17	2							X							
1014	9/30/22	S	1	SS-18	3							X							
1016	9/30/22	S	1	SS-19	4							X							
1018	9/30/22	S	1	SS-20	5							X							
1020	9/30/22	S	1	SS-21	6							X							
1022	9/30/22	S	1	SS-22	7							X							
1024	9/30/22	S	1	SS-23	8							X							
1026	9/30/22	S	1	SS-24	9							X							
1028	9/30/22	S	1	SS-25	10							X							
Additional Instructions: Please email results to Sarahmay.Schlea@soudermiller.com and Georgeann.Goodman@soudermiller.com																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Heather M. Wood</u>												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature) <u>Heather M Wood</u>		Date <u>10/3/22</u>		Time <u>12:55</u>		Received by: (Signature) <u>[Signature]</u>		Date <u>10/3/22</u>		Time <u>12:55</u>		Lab Use Only Received on ice: <u>(Y)</u> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA _____							
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			



5796 US Highway 64, Farmington, NM 87401
 24-Hour Emergency Response Phone: (800) 302-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com
 labadmin@envirotech-inc.com

Project Information

Chain of Custody

Page 2 of 5

2-DAY

Client: <u>Souder, Miller & Associates</u>					Report Attention		Lab Use Only		TAT		EPA Program					
Project: <u>Devon Tomb Raider 1-12 Fed #042H</u>					Report due by: <u>Devon</u>		Lab WO# <u>PE210003</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA	
Project Manager: <u>Heather Woods</u>					Attention:		Analysis and Method								State	
Address: <u>201 S. Halagueno</u>					Address:		DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC			
City, State, Zip <u>Carlsbad NM 88220</u>					City, State, Zip											
Phone: <u>(505) 716-2787</u>					Phone:											
Email: <u>Heather.Woods@soudermiller.com</u>					Email: <u>WO # 20995421</u>											
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number											Remarks
1030	9/30/22	S	1	SS-26	11								X			
1032	9/30/22	S	1	SS-27	12								X			
1034	9/30/22	S	1	SS-28	13								X			
1036	9/30/22	S	1	SS-29	14								X			
1038	9/30/22	S	1	SS-30	15								X			
1041	9/30/22	S	1	SS-31	16								X			
1044	9/30/22	S	1	SS-32	17								X			
1104	9/30/22	S	1	SS-33	18								X			
1114	9/30/22	S	1	SS-34	19								X			
1116	9/30/22	S	1	SS-35	20								X			
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Heather M. Woods</u>		10/13/22	1255	<u>[Signature]</u>		10/13/22	12:55	Received on ice: <u>Y</u> / N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
								AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other							Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



5796 US Highway 64, Farmington, NM 87401

24 Hour Emergency Response Phone: (800) 502-1879

Ph (505) 632-1881 Fx (505) 632-1885

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labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/3/2022 2:27:38PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	10/03/22 12:55	Work Order ID:	E210003
Phone:	(575) 200-5443	Date Logged In:	10/03/22 13:26	Logged In By:	Caitlin Christian
Email:		Due Date:	10/05/22 17:00 (2 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Heather WoodsComments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E210003, E210004.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Heather Woods



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Devon Tomb Raider 1-12 Fed
#062H

Work Order: E210004

Job Number: 01058-0007

Received: 10/3/2022

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/5/22

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/5/22

Heather Woods
201 S Halagueno St.
Carlsbad, NM 88220



Project Name: Devon Tomb Raider 1-12 Fed #062H
Workorder: E210004
Date Received: 10/3/2022 12:55:00PM

Heather Woods,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/3/2022 12:55:00PM, under the Project Name: Devon Tomb Raider 1-12 Fed #062H.

The analytical test results summarized in this report with the Project Name: Devon Tomb Raider 1-12 Fed #062H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 17:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS-36	E210004-01A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-37	E210004-02A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-38	E210004-03A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-39	E210004-04A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-40	E210004-05A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-41	E210004-06A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-42	E210004-07A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-43	E210004-08A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-44	E210004-09A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-45	E210004-10A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-46	E210004-11A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-47	E210004-12A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-48	E210004-13A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-49	E210004-14A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-50	E210004-15A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-51	E210004-16A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-52	E210004-17A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-53	E210004-18A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-54	E210004-19A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-55	E210004-20A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-56	E210004-21A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-57	E210004-22A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-58	E210004-23A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-59	E210004-24A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-60	E210004-25A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-61	E210004-26A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.
SS-62	E210004-27A	Soil	09/30/22	10/03/22	Glass Jar, 2 oz.



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-36

E210004-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: Bromofluorobenzene</i>	<i>97.1 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>96.8 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
<i>Surrogate: Toluene-d8</i>	<i>106 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: Bromofluorobenzene</i>	<i>97.1 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>96.8 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
<i>Surrogate: Toluene-d8</i>	<i>106 %</i>	<i>70-130</i>		<i>10/03/22</i>	<i>10/04/22</i>	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
<i>Surrogate: n-Nonane</i>	<i>117 %</i>	<i>50-200</i>		<i>10/04/22</i>	<i>10/04/22</i>	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	201	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-37

E210004-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	90.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	114 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	226	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-38

E210004-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	118 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	190	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-39

E210004-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	116 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	66.2	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-40

E210004-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	111 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	71.8	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-41

E210004-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.1 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	108 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	153	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-42

E210004-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	111 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	135	20.0	1	10/03/22	10/04/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-43

E210004-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/04/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/04/22	
Surrogate: n-Nonane	115 %	50-200		10/04/22	10/04/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	40.0	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-44

E210004-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	116 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	53.2	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-45

E210004-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.5 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	121 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	75.6	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-46

E210004-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.0 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	108 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	83.3	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-47

E210004-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	95.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.7 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	108 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	43.6	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-48

E210004-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.9 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	108 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	120	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-49

E210004-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	104 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	110 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	34.0	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-50

E210004-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	95.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	203	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	160	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	109 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	512	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-51

E210004-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.4 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	99.5 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	366	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-52

E210004-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	96.2 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	96.8 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	106 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	108 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	176	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-53

E210004-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.6 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.4 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	105 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	106 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	70.0	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-54

E210004-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	107 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	98.3 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	98.3 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	107 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	104 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	109	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-55

E210004-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241031
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
Surrogate: Bromofluorobenzene	97.7 %	70-130		10/03/22	10/04/22	
Surrogate: 1,2-Dichloroethane-d4	93.6 %	70-130		10/03/22	10/04/22	
Surrogate: Toluene-d8	103 %	70-130		10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241037
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
Surrogate: n-Nonane	110 %	50-200		10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241033
Chloride	41.9	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-56

E210004-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		84.5 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		84.3 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	50.6	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-57

E210004-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.3 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		75.7 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	122	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-58

E210004-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		83.3 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		85.9 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	147	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-59

E210004-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		86.0 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		81.8 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	604	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-60

E210004-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		82.9 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		82.3 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	715	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-61

E210004-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2241032
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.6 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2241017
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>						
		82.8 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: KL		Batch: 2241021
Chloride	38.8	20.0	1	10/03/22	10/05/22	



Sample Data

Souder Miller Associates - Carlsbad
201 S Halagueno St.
Carlsbad NM, 88220

Project Name: Devon Tomb Raider 1-12 Fed #062H
Project Number: 01058-0007
Project Manager: Heather Woods

Reported:
10/5/2022 5:10:53PM

SS-62

E210004-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2241032	
Benzene	ND	0.0250	1	10/03/22	10/04/22	
Ethylbenzene	ND	0.0250	1	10/03/22	10/04/22	
Toluene	ND	0.0250	1	10/03/22	10/04/22	
o-Xylene	ND	0.0250	1	10/03/22	10/04/22	
p,m-Xylene	ND	0.0500	1	10/03/22	10/04/22	
Total Xylenes	ND	0.0250	1	10/03/22	10/04/22	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		101 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2241032	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/03/22	10/04/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		85.5 %	70-130	10/03/22	10/04/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2241017	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/04/22	10/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	10/04/22	10/05/22	
<i>Surrogate: n-Nonane</i>		78.4 %	50-200	10/04/22	10/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: KL		Batch: 2241021	
Chloride	204	20.0	1	10/03/22	10/05/22	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241031-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2241031-BS1)

Prepared: 10/03/22 Analyzed: 10/05/22

Benzene	2.21	0.0250	2.50		88.3	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.2	70-130			
Toluene	2.18	0.0250	2.50		87.2	70-130			
o-Xylene	2.15	0.0250	2.50		85.8	70-130			
p,m-Xylene	4.24	0.0500	5.00		84.7	70-130			
Total Xylenes	6.38	0.0250	7.50		85.1	70-130			
Surrogate: Bromofluorobenzene	0.503		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

LCS Dup (2241031-BSD1)

Prepared: 10/03/22 Analyzed: 10/05/22

Benzene	2.19	0.0250	2.50		87.7	70-130	0.773	23	
Ethylbenzene	2.25	0.0250	2.50		89.9	70-130	0.377	27	
Toluene	2.18	0.0250	2.50		87.0	70-130	0.207	24	
o-Xylene	2.15	0.0250	2.50		86.0	70-130	0.279	27	
p,m-Xylene	4.22	0.0500	5.00		84.4	70-130	0.307	27	
Total Xylenes	6.37	0.0250	7.50		85.0	70-130	0.110	27	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241032-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

LCS (2241032-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	4.82	0.0250	5.00		96.3	70-130			
Ethylbenzene	4.01	0.0250	5.00		80.3	70-130			
Toluene	4.23	0.0250	5.00		84.6	70-130			
o-Xylene	4.08	0.0250	5.00		81.5	70-130			
p,m-Xylene	8.15	0.0500	10.0		81.5	70-130			
Total Xylenes	12.2	0.0250	15.0		81.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.17		8.00		102	70-130			

LCS Dup (2241032-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Benzene	4.97	0.0250	5.00		99.4	70-130	3.11	20	
Ethylbenzene	4.12	0.0250	5.00		82.5	70-130	2.69	20	
Toluene	4.36	0.0250	5.00		87.2	70-130	3.02	20	
o-Xylene	4.20	0.0250	5.00		84.0	70-130	2.94	20	
p,m-Xylene	8.38	0.0500	10.0		83.8	70-130	2.76	20	
Total Xylenes	12.6	0.0250	15.0		83.9	70-130	2.82	20	
Surrogate: 4-Bromochlorobenzene-PID	7.99		8.00		99.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241031-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.482		0.500		96.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

LCS (2241031-BS2)

Prepared: 10/03/22 Analyzed: 10/05/22

Gasoline Range Organics (C6-C10)	49.7	20.0	50.0		99.3	70-130			
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.2	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2241031-BS2)

Prepared: 10/03/22 Analyzed: 10/05/22

Gasoline Range Organics (C6-C10)	51.4	20.0	50.0		103	70-130	3.52	20	
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.450		0.500		90.0	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241032-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.63		8.00		82.9	70-130			

LCS (2241032-BS2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		105	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.81		8.00		85.1	70-130			

LCS Dup (2241032-BSD2)

Prepared: 10/03/22 Analyzed: 10/04/22

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130	6.71	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241017-BLK1)					Prepared: 10/03/22 Analyzed: 10/03/22				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			

LCS (2241017-BS1)					Prepared: 10/03/22 Analyzed: 10/03/22				
Diesel Range Organics (C10-C28)	207	25.0	250		82.9	38-132			
Surrogate: n-Nonane	46.3		50.0		92.6	50-200			

Matrix Spike (2241017-MS1)					Source: E209185-05		Prepared: 10/03/22 Analyzed: 10/03/22		
Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.5	38-132			
Surrogate: n-Nonane	45.0		50.0		90.0	50-200			

Matrix Spike Dup (2241017-MSD1)					Source: E209185-05		Prepared: 10/03/22 Analyzed: 10/03/22		
Diesel Range Organics (C10-C28)	207	25.0	250	ND	83.0	38-132	1.80	20	
Surrogate: n-Nonane	44.0		50.0		88.1	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241037-BLK1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS (2241037-BS1)

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	240	25.0	250		95.9	38-132			
Surrogate: n-Nonane	53.8		50.0		108	50-200			

Matrix Spike (2241037-MS1)

Source: E210004-16

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	262	25.0	250	ND	105	38-132			
Surrogate: n-Nonane	52.5		50.0		105	50-200			

Matrix Spike Dup (2241037-MSD1)

Source: E210004-16

Prepared: 10/04/22 Analyzed: 10/04/22

Diesel Range Organics (C10-C28)	249	25.0	250	ND	99.4	38-132	5.25	20	
Surrogate: n-Nonane	52.1		50.0		104	50-200			



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Anions by EPA 300.0/9056A

Analyst: KL

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

Blank (2241021-BLK1)					Prepared: 10/03/22 Analyzed: 10/05/22				
Chloride	ND	20.0							
LCS (2241021-BS1)					Prepared: 10/03/22 Analyzed: 10/05/22				
Chloride	265	20.0	250		106	90-110			
LCS Dup (2241021-BSD1)					Prepared: 10/03/22 Analyzed: 10/05/22				
Chloride	263	20.0	250		105	90-110	0.912	20	



QC Summary Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/5/2022 5:10:53PM

Anions by EPA 300.0/9056A

Analyst: KL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2241033-BLK1)

Prepared: 10/03/22 Analyzed: 10/04/22

Chloride ND 20.0

LCS (2241033-BS1)

Prepared: 10/03/22 Analyzed: 10/04/22

Chloride 266 20.0 250 107 90-110

LCS Dup (2241033-BSD1)

Prepared: 10/03/22 Analyzed: 10/04/22

Chloride 265 20.0 250 106 90-110 0.450 20

QC Summary Report Comment:

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



Definitions and Notes

Souder Miller Associates - Carlsbad	Project Name:	Devon Tomb Raider 1-12 Fed #062H	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Heather Woods	10/05/22 17:10

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

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

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



Project Information

Chain of Custody

Page 3 of 5

2-DAY

Client: <u>Souder, Miller : Associates</u>					Report Attention		Lab Use Only						TAT		EPA Program					
Project: <u>Devon Tomb Raider 1-12 Fed #0624</u>					Report due by: <u>Devon</u>		Lab WO# <u>PE210004</u>			Job Number <u>01058-0007</u>			1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Heather Woods</u>					Attention:		Analysis and Method										State			
Address: <u>201 S. Halagueno</u>					Address:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC							
City, State, Zip <u>Carlsbad, NM 88220</u>					City, State, Zip												NM	CO	UT	AZ
Phone: <u>(505) 716-2787</u>					Phone:															
Email: <u>Heather.Woods@soudermiller.com</u>					Email: <u>WO # 20995421</u>															
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number												Remarks			
1119	9/30/22	S	1	SS-36	1								X							
1122	9/30/22	S	1	SS-37	2								X							
1125	9/30/22	S	1	SS-38	3								X							
1129	9/30/22	S	1	SS-39	4								X							
1132	9/30/22	S	1	SS-40	5								X							
1134	9/30/22	S	1	SS-41	6								X							
1137	9/30/22	S	1	SS-42	7								X							
1139	9/30/22	S	1	SS-43	8								X							
1141	9/30/22	S	1	SS-44	9								X							
1143	9/30/22	S	1	SS-45	10								X							

Additional Instructions:

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

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

Relinquished by: (Signature) <u>Heather M. Woods</u>	Date <u>10/3/22</u>	Time <u>1255</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>10/3/22</u>	Time <u>12:55</u>	Lab Use Only
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on ice: <u>Y</u> / N
						T1 _____ T2 _____ T3 _____
						AVG Temp °C <u>4</u>

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

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

Project Information

Chain of Custody

Page 4 of 5

2-DAY

Client: <u>Souder, Miller & Associates</u>					Report Attention		Lab Use Only		TAT		EPA Program							
Project: <u>Devon Tombo Raider 1-12 Fed #062H</u>					Report due by: <u>Devon</u>		Lab WO# <u>PE210004</u>		Job Number <u>0058-0007</u>		1D	3D	RCRA	CWA	SDWA			
Project Manager: <u>Heather Woods</u>					Attention:		Analysis and Method								State			
Address: <u>201 S. Halaguano</u>					Address:										NM			
City, State, Zip <u>Carlsbad, NM 88220</u>					City, State, Zip		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	Remarks				
Phone: <u>(505) 716-2787</u>					Phone:													
Email: <u>Heather.Woods@soudermiller.com</u>					Email: <u>WO # 20995421</u>													
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number													
1146	9/30/22	S	1	SS-46	11							X						
1148	9/30/22	S	1	SS-47	12							X						
1151	9/30/22	S	1	SS-48	13							X						
1218	9/30/22	S	1	SS-49	14							X						
1220	9/30/22	S	1	SS-50	15							X						
1222	9/30/22	S	1	SS-51	16							X						
1224	9/30/22	S	1	SS-52	17							X						
1226	9/30/22	S	1	SS-53	18							X						
1228	9/30/22	S	1	SS-54	19							X						
1230	9/30/22	S	1	SS-55	20							X						
Additional Instructions:																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only										
<u>Heather M Woods</u>		10/3/22	1255	<u>Devon Tombo</u>		10/3/22	12:55	Received on ice: <u>Y</u> / N										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____										
								AVG Temp °C <u>4</u>										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		



5796 US Highway 64, Farmington, NM 87401
24 Hour Emergency Response Phone: (800) 502-1879

Ph (505) 632-1861 Fax (505) 632-1865

envirotech-inc.com
labadmin@envirotech-inc.com

Project Information

Chain of Custody

Page 5 of 5

2-DAY

Client: <u>Souder, Miller & Associates</u>					Report Attention		Lab Use Only		TAT		EPA Program					
Project: <u>Devon Tomb Raider 1-12 Fed #0624</u>					Report due by: <u>Dwan</u>		Lab WO# <u>PE210004</u>		Job Number <u>01058-0007</u>		1D	3D	RCRA	CWA	SDWA	
Project Manager: <u>Heather Woods</u>					Attention:		Analysis and Method								State	
Address: <u>201 S. Halagueno</u>					Address:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC			
City, State, Zip <u>Carlsbad, NM 88220</u>					City, State, Zip											
Phone: <u>(505) 716-2787</u>					Phone:											
Email: <u>Heather.Woods@Soudermiller.com</u>					Email: <u>WO # 20995421</u>											
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Remarks										
1232	9/30/22	S	1	SS-56	21											
1234	9/30/22	S	1	SS-57	22											
1320	9/30/22	S	1	SS-58	23											
1322	9/30/22	S	1	SS-59	24											
1324	9/30/22	S	1	SS-60	25											
1330	9/30/22	S	1	SS-61	26											
1332	9/30/22	S	1	SS-62	27											
Additional Instructions:																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Heather Woods</u>		10/3/22	1255	<u>[Signature]</u>		10/3/22	12:55	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
								AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																



5796 US Highway 64, Farmington, NM 87401
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Ph (505) 632-1881 Fx (505) 632-1885

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labadmin@envirotech-inc.com

Envirotech Analytical Laboratory

Printed: 10/3/2022 2:28:43PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Souder Miller Associates - Carlsbad	Date Received:	10/03/22 12:55	Work Order ID:	E210004
Phone:	(575) 200-5443	Date Logged In:	10/03/22 13:30	Logged In By:	Caitlin Christian
Email:		Due Date:	10/05/22 17:00 (2 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Heather WoodsComments/Resolution

Project has been separated into 2 reports due to sample volume. Workorders are as follows: E210003, E210004.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

October 07, 2022

HEATHER WOODS

SOUDER MILLER AND ASSOCIATES

201 S. HALAGUENO

CARLSBAD, NM 88220

RE: TOMB RAIDER 1-12 FED #062H

Enclosed are the results of analyses for samples received by the laboratory on 10/06/22 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

SOUDER MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received: 10/06/2022
 Reported: 10/07/2022
 Project Name: TOMB RAIDER 1-12 FED #062H
 Project Number: NONE GIVEN
 Project Location: DEVON

Sampling Date: 10/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SC-128-R2 (H224699-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.14	107	2.00	13.5	
Toluene*	<0.050	0.050	10/06/2022	ND	2.11	106	2.00	14.3	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.04	102	2.00	14.0	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	6.15	102	6.00	13.7	
Total BTX	<0.300	0.300	10/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/07/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	218	109	200	3.32	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SOUDE MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received: 10/06/2022
 Reported: 10/07/2022
 Project Name: TOMB RAIDER 1-12 FED #062H
 Project Number: NONE GIVEN
 Project Location: DEVON

Sampling Date: 10/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS-11R (H224699-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/07/2022	ND	448	112	400	3.64	

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Analytical Results For:

SOUDER MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received: 10/06/2022
 Reported: 10/07/2022
 Project Name: TOMB RAIDER 1-12 FED #062H
 Project Number: NONE GIVEN
 Project Location: DEVON

Sampling Date: 10/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS-12R (H224699-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.14	107	2.00	13.5	
Toluene*	<0.050	0.050	10/06/2022	ND	2.11	106	2.00	14.3	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.04	102	2.00	14.0	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	6.15	102	6.00	13.7	
Total BTEX	<0.300	0.300	10/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/07/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	218	109	200	3.32	
DRO >C10-C28*	14.3	10.0	10/06/2022	ND	224	112	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SOUDER MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received: 10/06/2022
 Reported: 10/07/2022
 Project Name: TOMB RAIDER 1-12 FED #062H
 Project Number: NONE GIVEN
 Project Location: DEVON

Sampling Date: 10/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS-26R (H224699-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.14	107	2.00	13.5	
Toluene*	<0.050	0.050	10/06/2022	ND	2.11	106	2.00	14.3	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.04	102	2.00	14.0	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	6.15	102	6.00	13.7	
Total BTEX	<0.300	0.300	10/06/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/07/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	218	109	200	3.32	
DRO >C10-C28*	15.7	10.0	10/06/2022	ND	224	112	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SOUDER MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received: 10/06/2022
 Reported: 10/07/2022
 Project Name: TOMB RAIDER 1-12 FED #062H
 Project Number: NONE GIVEN
 Project Location: DEVON

Sampling Date: 10/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SS-50R (H224699-05)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/06/2022	ND	2.14	107	2.00	13.5		
Toluene*	<0.050	0.050	10/06/2022	ND	2.11	106	2.00	14.3		
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.04	102	2.00	14.0		
Total Xylenes*	<0.150	0.150	10/06/2022	ND	6.15	102	6.00	13.7		
Total BTEX	<0.300	0.300	10/06/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/07/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	218	109	200	3.32	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	224	112	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

SOUDER MILLER AND ASSOCIATES
 HEATHER WOODS
 201 S. HALAGUENO
 CARLSBAD NM, 88220
 Fax To: NONE

Received:	10/06/2022	Sampling Date:	10/06/2022
Reported:	10/07/2022	Sampling Type:	Soil
Project Name:	TOMB RAIDER 1-12 FED #062H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON		

Sample ID: SS-59R (H224699-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/07/2022	ND	416	104	400	3.92		

Sample ID: SS-60R (H224699-07)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/07/2022	ND	416	104	400	3.92		

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 209704

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 209704
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	Devon's deferral requests to complete final remediation during any future major construction/alteration or final plugging/abandonment, whichever occurs first. SMA and Devon do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The areas requested for deferral are the impacted soil in and around machinery, production equipment, and electrical lines shown on Figure 4a and 4b of the report, which include sample areas (CS15 and SC-129R). The areas have been delineated and documented in the report. At this time, OCD approves this request. The Deferral Request and C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	9/13/2023