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

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Revised August 24, 2018 Submit to appropriate OCD District office

)

Incident ID	NAPP2035543036
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	

#### **Location of Release Source**

Latitude <u>32.2989697</u>

Longitude -104.13114049

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: GRAVEL GRINDER FEE 23 28 18 WXY #003H	Site Type: Oil & Gas Facility
Date Release Discovered: 12/20/2020	API# (if applicable) 30-015-44627

Unit Letter	Section	Township	Range	County
М	18	238	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_\_

#### Nature and Volume of Release

Mate	rial(s) Released (Select all that apply and attach calculations or specif	ic justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units) Oil, Sand & Produced Water Mixture from Wellhead (emulsion) 250 bbl.	Volume/Weight Recovered (provide units)
	Wellhead (emulsion) 250 bbl.	250 bbl.

Cause of Release

Upon arrival at the Gravel Grinder location, it was discovered that an extra heavy 90 on the casing failed as a result of sand erosion which led to the release of approx. 250 bbl. of emulsion (water, oil & sand -appears to be mostly water) on the engineered pad. Recovery efforts began immediately as there were already two trucks in the vicinity - an emergency on call was placed and a surface scrape was conducted after standing fluids were removed to ensure the release did not migrate laterally into the pasture.

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2 11:21:17 AM State of New Mexico	Incident ID	NAPP2035543036
Oil Conservation Division	District RP	
	Facility ID	
	Application ID	
If YES, for what reason(s) does the responsible part	ty consider this a major release?	?
Volume		
otice given to the OCD? By whom? To whom? Wh C141a on 12/20	ien and by what means (phone, o	email, etc)?
Initial Respons	e	
•	If YES, for what reason(s) does the responsible par Volume price given to the OCD? By whom? To whom? Wh C141a on 12/20 <b>Initial Respons</b>	If YES, for what reason(s) does the responsible party consider this a major release? Volume

 $\boxtimes$  The source of the release has been stopped.

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

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

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

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

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

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

Printed Name: <u>Melodie Sanjari</u>	Title:Environmental Professional
Signature: <u>Melodie Sanjari</u>	Date: 12/22/2020
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
OCD Only	
Received by:	Date:

Received by OCD: 4/11/2022 11:21:17 AM Form C-141 State of New Mexico

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Oil Conservation Division

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### Site Assessment/Characterization

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

	1
What is the shallowest depth to groundwater beneath the area affected by the release?	$\frac{70}{\text{bgs}}$ (ft
Did this release impact groundwater or surface water?	$\Box$ Yes $\boxtimes$ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	$\square Yes \square No$
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🖾 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No ☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗌 Yes 🛛 No
	🗌 Yes 🛛 No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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

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

- Data table of soil contaminant concentration data
- $\overline{\boxtimes}$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-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.

<b>Received by OCD: 4/1</b> Form C-141 Page 4	1/2022 11:21:17 AM State of New Mexico Oil Conservation Division		Incident ID District RP Facility ID	Page 4 of 223 NAPP2035543036
regulations all operator public health or the env failed to adequately inv addition, OCD acceptan and/or regulations. Printed Name:	information given above is true and complete to the s are required to report and/or file certain release noti ironment. The acceptance of a C-141 report by the C estigate and remediate contamination that pose a three nee of a C-141 report does not relieve the operator of <u>Melodie Sanjari</u>	fications and per- DCD does not reli at to groundwate responsibility for	form corrective actions for rele eve the operator of liability sh r, surface water, human health compliance with any other fe Environmental Professio	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
email: <u>msanjari@</u> 1	narathonoil.com	Telephone:	<u>575-988-8753</u>	
OCD Only Received by:		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: <u>Melodie Sanjari</u> Title: Environmental Professional Signature: <u>Melodie Sanjari</u> Date: 4/11/2022 email: msanjari@marathonoil.com Telephone: 575-988-8753 **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. Date: 05/17/2022 Printed Name: \_\_\_\_\_Jennifer Nobui Title: Environmental Specialist A



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

April 11, 2022

#5E31004-BG1

NMOCD District 2 811 S. First St. Artesia, New Mexico 88210

SUBJECT: Closure Request Report for the Gravel Grinder Fee 23 28 18 WXY #003H Release (NAPP2035543036), Eddy County, New Mexico

To Whom it May Concern:

On behalf of Marathon Oil Permian LLC (Marathon, Souder, Miller & Associates (SMA) has prepared this Closure Request Report that describes the release of liquids related to oil and gas production activities at the Gravel Grinder Fee 23 28 18 WXY #003H site. The site is in Unit M, Section 18, Township 23S, Range 28E, Eddy County, New Mexico, on Federal land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria				
Name	Gravel Grinder Fee 23 28 18 WXY #003H	Company	Marathon oil Permian LLC	
API Number	30-015-44627	Location	32.2989697 -104.13114049	
Tracking Number	NAPP2035543036			
Estimated Date of Release	12/20/2020	Date Reported to NMOCD	12/20/2020	
Land Owner	Federal	Reported To	NMOCD District 2	
Source of Release	Casing failure			
Released Volume	250 bbls	Released Material	Oil, Sand, and Produced Water	
Recovered Volume	250 bbls	Net Release	0 bbls	
NMOCD Closure Criteria	<50 feet			
SMA Response Dates	December 30, 2020, January 21, 2021, March 14-18, 2022			

#### 1.0 Background

On December 20, 2020, a release was discovered at the Gravel Grinder Fee 23 28 18 WXY #003H site due to corrosion of the casing. Initial response activities were conducted by Marathon, and included source elimination and containment activities, which recovered approximately 250 barrels of fluid, which were hauled to and disposed of at an NMOCD approved facility. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

## Gravel Grinder Fee 23 28 18 WXY #003H Deferral Request Report April 11, 2022

### 2.0 Site Information and Closure Criteria

The Gravel Grinder Fee 23 28 18 WXY #003H is an active production facility located approximately 2.1 miles northwest of Loving, New Mexico on Federal (BLM) land at an elevation of approximately 3,079 feet above mean sea level (amsl).

#### Depth to Groundwater

Based upon New Mexico Office of State Engineer (NMOSE) well record data (Appendix B), depth to groundwater in the area is estimated to be 70 feet below grade surface (bgs).

#### Wellhead Protection Area

There are seven (7) known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database.

#### Distance to Nearest Significant Watercourse

The nearest significant watercourse is an unnamed canal, located approximately 633 feet to the south.

Table 2 demonstrates the Closure Criteria applicable to this location. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs, as the canal is less than 300 feet away from the edge of the excavation.

#### 3.0 Release Characterization and Remediation Activities

On December 30, 2020 and January 21, 2021, SMA personnel performed site delineation activities at the Gravel Grinder Fee 23 28 18 WXY #003H site. SMA collected soil samples around the release site and throughout the visibly stained area. The area of visual impact was located entirely within the boundary of the developed production facility.

Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 2000 photoionization detector (PID) equipped with a 10.6 eV lamp.

A total of thirteen (13) sample locations were investigated using a hand-auger, to depths up to four (4) feet bgs. A total of 47 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Figure 3 shows the extent of the release area and sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

### 4.0 Remediation

As the initial deferral request was denied, an alternative remediation plan was requested. In accordance with the NMOCD approved work plan dated February 16, 2022, SMA returned to site to conduct oversite activities on excavation activities that occurred March 14-18, 2022.

#### Gravel Grinder Fee 23 28 18 WXY #003H Deferral Request Report April 11, 2022

During excavation activities, SMA collected confirmation samples per the approved sampling variance, every 500 square feet, from the base and sidewalls of the excavation. The base of the excavation measured approximately 1,270 square feet with a depth varying from 2-3 feet bgs.

A total of sixty-seven (67) samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratory in Farmington, New Mexico.

Figure 3 shows the extent of the final excavation and closure sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

Documentation of NMOCD correspondence with approved work plan details and variance requests are included in Appendix E.

#### 5.0 Site Recommendations (Remediation)

As demonstrated in Table 3, all closure samples meet the approved upon Closure Criteria. The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC.

Local soils are known to exhibit elevated concentrations of chlorides as indicated in the two (2) collected background samples that were requested as conditions of the variance request and were submitted for laboratory analysis for chlorides using USEPA Method 300.0. Background samples were collected at surface, one-, two-, and three-foot intervals. Lab analysis indicated sample BG had a chloride concentration range of 425 to 2,350 milligrams per kilogram. Sample BG2 had a chloride concentration range of 1,750 to 3,310 milligrams per kilogram.

#### SMA recommends no further action and requests closure of Incident Number NAPP2035543036.

#### 6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; 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 Ashley Maxwell at 505-320-8975.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Ashley Maxwell Project Scientist

Heather M. Woods

Heather M, Woods, P.G. Project Geoscientist

#### **REFERENCES:**

New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose\_pod\_locations/; accessed 12/29/2020

#### ATTACHMENTS:

#### Figures:

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map

Figure 3: Site and Sample Location Map

Figure 4: Deferral Map

#### Tables:

Table 2: NMOCD Closure Criteria Justification Table 3: Summary of Sample Results

#### **Appendices:**

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: Field Notes & Photo Log Appendix D: Laboratory Analytical Reports Appendix E: OCD Correspondence Page 4 of 4

## FIGURES

Engineering • Environmental • Surveying

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## TABLES

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes	
Depth to Groundwater (feet bgs)	70	New Mexico Office of the State Engineer
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	715	New Mexico Office of the State Engineer
Hortizontal Distance to Nearest Significant Watercourse (ft)	<300	Un-named Canal/Unites States Geological Survey

Closure Criteria (19.15.2	29.12.B(4) an	d Table 1 NMAC)				
	Closure Criteria (units in mg/kg)					
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	BTEX	Benzene	
< 50' BGS	х	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water		if yes	s, then			
<300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake?	Yes 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? <1000' from fresh water well or spring?	No	-				
Human and Other Areas		600	100		50	10
<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					

<u>SMA</u>

#### Table 3: Sample Results

•

		Depth of		Metho	d 8021B		Metho	i 8015D		Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	Action Taken	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		(ieer bgs)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NM	OCD Reclama	tion Requiren	nent	50	10		-		100	3,310
NG1	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	814
NG2	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	700
NG3	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,190
NG4	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,760
NICE	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,670
NG5	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,610
NICC	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,870
NG6	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,480
	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	3,270
NG7	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	924
	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,430
NG8	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	969
	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,630
NG9	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	956
	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,860
NG10	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	642
	3/14/2022	2	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	3,190
NG11	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,950
	3/14/2022	2.5	Excavated	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,790
NG12	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,840
NG13	3/14/2022	2:5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,540
NG13 NG14	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,540
NG14 NG15	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,660
NOID	3/14/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,650
NG16	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	989
NC17	3/14/2022	2.5		<0.100						
NG17		2	In-Situ		<0.0250	<20.0	<25.0 <25.0	<50.0 <50.0	<95.0	2,040
WG18	3/15/2022		In-Situ	<0.100	<0.0250	<20.0			<95.0	3,180
14/64.0	3/18/2022	2.5	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,590
WG19	3/15/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,490
WG20	3/15/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,420
WG21	3/15/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,520
WG22	3/15/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,790
WG23 WG24	3/15/2022 3/15/2022	2	In-Situ	<0.100	<0.0250 <0.0250	<20.0	<25.0	<50.0 <50.0	<95.0	1,630
SWG 25	3/15/2022 3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0 <20.0	<25.0 <25.0	<50.0	<95.0 <95.0	2,010
SWG 25 SWG 26	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	848 886
SWG 26 SWG 27	3/15/2022	3		<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	
SWG 27 SWG 28	3/15/2022		In-Situ		<0.0250			<50.0		1,290
SWG 28 SWG 29	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0 <20.0	<25.0 <25.0	<50.0	<95.0 <95.0	1,000 747
SWG 29 SWG 30	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	830
SWG 30 SG 31	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,540
SG 31 SG 32	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,540
SG 32 SG 33	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	994
SG 33 SG 34	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	994 1,970
SG 34 SG 35	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,250
SG 35	3/15/2022	3	In-Situ In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,250 957



#### Table 3: Sample Results

		Depth of		Metho	d 8021B		Metho	8015D		Method 300.0
Sample ID	Sample Date	Sample (feet bgs)	Action Taken	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl-
		(ICCL DES)		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NM	OCD Reclama	tion Requiren	nent	50	10		-		100	3,310
SG 37	3/15/2022	3	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,440
SG 38	3/16/2022	3	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,000
SG 39	3/16/2022	3	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,160
SG 40	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	830
SW 1	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,930
SW 2	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,690
SW 3	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,510
SVV 3	3/18/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,400
SW 4	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	2,610
500 4	3/18/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,480
SW 5	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,920
SW 6	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,850
SW 7	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,640
SW 8	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,560
SW 9	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,660
SW 10	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,600
SW 11	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,470
SW 12	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,450
SW 13	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,570
SW 14	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,350
SW 15	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,960
SW 16	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,800
SW 17	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,620
SW 18	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,530
SW 19	3/16/2022	2	In-Situ	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	1,190
BG - 0'	3/16/2022	surface								425
BG - 1'	3/16/2022	1								1,210
BG - 2'	3/16/2022	2								2,350
BG - 3'	3/16/2022	3								2,270
BG2 - 0'	3/18/2022	surface								1,750
BG2 - 1'	3/18/2022	1								3,310
BG2 - 2'	3/18/2022	2								1,900
BG2 - 3'	3/18/2022	3								2,480

"--" = Not Analyzed

BG: Background sample

"\*" Variance request



## APPENDIX A FORM C141

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

)

Page 19 of 223

Incident ID	NAPP2035543036
District RP	
Facility ID	
Application ID	

## **Release Notification**

#### **Responsible Party**

Responsible Party Marathon Oil Permian LLC	OGRID 372098
Contact Name Melodie Sanjari	Contact Telephone 575-988-8753
Contact email msanjari@marathonoil.com	Incident # (assigned by OCD)
Contact mailing address 4111 S. Tidwell Rd., Carlsbad, NM 8220	·

#### **Location of Release Source**

Latitude 32.2989697

Longitude <u>-104.13114049</u>

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: GRAVEL GRINDER FEE 23 28 18 WXY #003H	Site Type: Oil & Gas Facility
Date Release Discovered: 12/20/2020	API# (if applicable) 30-015-44627

Unit Letter	Section	Township	Range	County
М	18	23S	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: \_\_\_\_\_

#### Nature and Volume of Release

Mater	ial(s) Released (Select all that apply and attach calculations or specific	c justification for the volumes provided below)
Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
🗌 Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units) Oil, Sand & Produced Water Mixture from	Volume/Weight Recovered (provide units)
	Wellhead (emulsion) 250 bbl.	250 bbl.

Cause of Release

Upon arrival at the Gravel Grinder location, it was discovered that an extra heavy 90 on the casing failed as a result of sand erosion which led to the release of approx. 250 bbl. of emulsion (water, oil & sand -appears to be mostly water) on the engineered pad. Recovery efforts began immediately as there were already two trucks in the vicinity – an emergency on call was placed and a surface scrape was conducted after standing fluids were removed to ensure the release did not migrate laterally into the pasture.

rm ( 1/1	22 11:21:17 AM State of New Mexico		Page 20		
		Incident ID	NAPP2035543036		
e 2	Oil Conservation Division	District RP			
		Facility ID			
		Application ID			
Was this a major release as defined by 19.15.29.7(A) NMAC? ⊠ Yes □ No	If YES, for what reason(s) does the responsible party Volume	y consider this a major release	?		
	otice given to the OCD? By whom? To whom? Whe	en and by what means (phone,	email, etc)?		
By Melodie Sanjari via a	C141a on 12/20				
	Initial Response	2			

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

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

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: <u>Melodie Sanjari</u>	Title: <u>Environmental Professional</u>
Signature: <u>Melodíe Sanjarí</u>	Date: 12/22/2020
email: <u>msanjari@marathonoil.com</u>	Telephone: <u>575-988-8753</u>
OCD Only	
Received by:	Date:

## APPENDIX B NMOSE WELLS REPORT



## New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the (R=POD has POD suffix indicates been replaced, the POD has been O=orphaned. replaced & no longer (quarters are 1=NW 2=NE 3=SW 4=SE) serves a water right C=the file is (quarters are smallest to file.) closed) (NAD83 UTM in meters) (In feet) largest) POD Sub-QQQ Water DistanceDepthWellDepthWaterColumn **POD Number** Code basin County 6416 4 Sec Tws Rng Х Υ C 03779 POD1 2 3 3 18 23S 28E 581707 С FD 3574103 218 110 70 40 С C 02180 ED 3 18 23S 28E 581831 3574198\* 292 140 80 60 C 03922 POD1 С ED 3 2 3 18 23S 28E 75 581844 3574230 326 138 63 C 03082 С ED 1 3 3 18 23S 28E 581529 3574096\* 332 220 217 3 C 04400 POD1 С ED 31 3 18 23S 28E 581496 3574309 506 200 120 80 C 02697 С 1 3 18 23S 28E ED 581629 3574401\* 🧲 524 220 42 178 C 04289 POD1 С ED 1 1 2 19 23S 28E 582387 3573717 614 91 78 13 С C 04225 POD1 ED 2 23 18 23S 28E 582167 3574424 633 120 71 49 C 03753 POD1 С 3 3 1 18 23S 28E ED 581515 3574658 🧲 805 210 60 150 90 feet Average Depth to Water: Minimum Depth: 42 feet Maximum Depth: 217 feet **Record** 9 Count: UTMNAD83 Radius Search (in meters): Easting (X): 581802.41 Northing (Y): 3573906.48 **Radius: 806** \*UTM location was derived from PLSS - see Help

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

12/29/20 9:25 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

## APPENDIX C FIELD NOTES & PHOTO LOG









## APPENDIX D LABORATORY ANALYTICAL REPORTS



5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203091

Job Number: 19026-0001

Received: 3/15/2022

Revision: 4

Report Reviewed By:

Walter Hinchman Laboratory Director 3/15/22

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: 3/15/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203091 Date Received: 3/15/2022 8:25:00AM

Lynn Acosta,



Page 29 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/15/2022 8:25:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum	mary			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	Gravel Grinder 19026-0001 Lynn Acosta		<b>Reported:</b> 03/15/22 18:07	
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container	
NG1	E203091-01A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG2	E203091-02A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG3	E203091-03A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG4	E203091-04A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG5	E203091-05A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG6	E203091-06A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG7	E203091-07A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG8	E203091-08A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG9	E203091-09A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG10	E203091-10A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG11	E203091-11A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
NG12	E203091-12A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
BG-Surf	E203091-13A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
BG-1'	E203091-14A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
3G-2'	E203091-15A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
3G-3'	E203091-16A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	
3G-4'	E203091-17A	Soil	03/14/22	03/15/22	Glass Jar, 4 oz.	



		impic D	uu			
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		vel Grinder 26-0001			Reported:
Carlsbad NM, 88220	Project Manage		n Acosta			3/15/2022 6:07:39PM
,	, 6	2				
		NG1				
	]	E203091-01				
		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	А	nalyst: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
o-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Fotal Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		91.5 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2212019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.9 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	nalyst: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		106 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	nalyst: RAS		Batch: 2212017
Chloride	814	40.0	2	03/15/22	03/15/22	

### Sample Data



	Sa	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 n Acosta				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG2					
		E203091-02					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2212019
Benzene	ND	0.0250		1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250		1	03/15/22	03/15/22	
Toluene	ND	0.0250		1	03/15/22	03/15/22	
p-Xylene	ND	0.0250		1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500		1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250		1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		87.5 %	70-130		03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2212019	
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130		03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212012	
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0		1	03/15/22	03/15/22	
Surrogate: n-Nonane		102 %	50-200		03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RAS			Batch: 2212017
Chloride	700	40.0		2	03/15/22	03/15/22	

	Sa	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 1 Acosta			<b>Reported:</b> 3/15/2022 6:07:39PM	
		NG3					
		E203091-03					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	Analyst: RKS			
Benzene	ND	0.0250	1	03/15/22	03/15/22		
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22		
Toluene	ND	0.0250	1	03/15/22	03/15/22		
p-Xylene	ND	0.0250	1	03/15/22	03/15/22		
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22		
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22		
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	03/15/22	03/15/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2212019		
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/15/22	03/15/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2212012		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22		
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22		
Surrogate: n-Nonane		101 %	50-200	03/15/22	03/15/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212017	
Chloride	1190	200	10	03/15/22	03/15/22		

	Sa	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 n Acosta				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG4					
		E203091-04					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: RKS			Batch: 2212019
Benzene	ND	0.0250		1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250		1	03/15/22	03/15/22	
Toluene	ND	0.0250		1	03/15/22	03/15/22	
p-Xylene	ND	0.0250		1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500		1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250		1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130		03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RKS		Batch: 2212019	
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130		03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2212012	
Diesel Range Organics (C10-C28)	ND	25.0		1	03/15/22	03/15/22	
Oil Range Organics (C28-C36)	ND	50.0		1	03/15/22	03/15/22	
Surrogate: n-Nonane		106 %	50-200		03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2212017
Chloride	1760	100		5	03/15/22	03/15/22	

	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 n Acosta			<b>Reported:</b> 3/15/2022 6:07:39PM
		NG5				
		E203091-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
p-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		91.7 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2212019	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.7 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2212012	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		101 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2212017
Chloride	2670	200	10	03/15/22	03/15/22	
	Sa	ample D	ata			
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Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	nber: 19026-0001				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG6				
	]	E203091-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg mg/kg Analyst: RKS		/st: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
o-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Fotal Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		91.4 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		103 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: RAS		Batch: 2212017
Chloride	2870	400	20	03/15/22	03/15/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag					<b>Reported:</b> 3/15/2022 6:07:39PM
		NG7				
	]	E203091-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	mg/kg Analyst: RKS			Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
o-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		105 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212017
Chloride	3270	400	20	03/15/22	03/15/22	

	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numł Project Mana	ber: 1902	vel Grinder 26-0001 1 Acosta			<b>Reported:</b> 3/15/2022 6:07:39PM
		NG8				
		E203091-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg mg/kg An			vst: RKS	Batch: 2212019	
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
o-Xylene	ND	0.0250	1	03/15/22	03/15/22	
p,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		106 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2212017
Chloride	2430	400	20	03/15/22	03/15/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag					<b>Reported:</b> 3/15/2022 6:07:39PM
		NG9				
	]	E203091-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg Analyst: RKS		/st: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
p-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		90.1 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	/st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		103 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2212017
Chloride	2630	200	10	03/15/22	03/15/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	umber: 19026-0001				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG10				
		E203091-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
p-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		106 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212017
Chloride	2860	400	20	03/15/22	03/15/22	

	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 19026-0001				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG11				
		E203091-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
p-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.8 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		104 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212017
Chloride	3190	400	20	03/15/22	03/15/22	

	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 19026-0001				<b>Reported:</b> 3/15/2022 6:07:39PM
		NG12				
		E203091-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2212019
Benzene	ND	0.0250	1	03/15/22	03/15/22	
Ethylbenzene	ND	0.0250	1	03/15/22	03/15/22	
Toluene	ND	0.0250	1	03/15/22	03/15/22	
p-Xylene	ND	0.0250	1	03/15/22	03/15/22	
o,m-Xylene	ND	0.0500	1	03/15/22	03/15/22	
Total Xylenes	ND	0.0250	1	03/15/22	03/15/22	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212019
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/15/22	03/15/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/15/22	03/15/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212012
Diesel Range Organics (C10-C28)	ND	25.0	1	03/15/22	03/15/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/15/22	03/15/22	
Surrogate: n-Nonane		118 %	50-200	03/15/22	03/15/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212017
Chloride	2790	400	20	03/15/22	03/15/22	

# **QC Summary Data**

	<u> </u>		v					
	Project Name:	G	ravel Grinder					Reported:
	Project Number:	19	9026-0001					-
	Project Manager:	Ly	ynn Acosta					3/15/2022 6:07:39PM
	Volatile Or	rganics b	oy EPA 8021	IB				Analyst: RKS
Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
						Prepared: 0	3/15/22	Analyzed: 03/15/22
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0250							
ND	0.0500							
ND	0.0250							
7.41		8.00		92.6	70-130			
						Prepared: 0	3/15/22	Analyzed: 03/15/22
4.95	0.0250	5.00		99.0	70-130			
5.28	0.0250	5.00		106	70-130			
5.49	0.0250	5.00		110	70-130			
5.21	0.0250	5.00		104	70-130			
10.7	0.0500	10.0		107	70-130			
15.9	0.0250	15.0		106	70-130			
7.17		8.00		89.7	70-130			
			Source: <b>H</b>	E <b>203091</b> -	02	Prepared: 0	3/15/22	Analyzed: 03/15/22
4.91	0.0250	5.00	ND	98.2	54-133			
5.24	0.0250	5.00	ND	105	61-133			
5.44	0.0250	5.00	ND	109	61-130			
5.19	0.0250	5.00	ND	104	63-131			
10.7	0.0500	10.0	ND	107				
	0.0250		ND					
7.38		8.00		92.3	70-130			
			Source: I			-		Analyzed: 03/15/22
4.82	0.0250	5.00	ND	96.5	54-133	1.78	20	
5.16	0.0250	5.00	ND	103	61-133	1.64	20	
5.34	0.0250	5.00	ND	107				
5.11	0.0250	5.00	ND	102	63-131	1.46	20	
					(2,121	1.50	20	
10.5 15.6	0.0500 0.0250	10.0 15.0	ND ND	105 104	63-131 63-131	1.58 1.54	20 20	
	ND ND ND ND ND 7.41 4.95 5.28 5.49 5.21 10.7 15.9 7.17 4.91 5.24 5.44 5.19 10.7 15.8 7.38 7.38	Project Number: Project Manager:           Project Manager:           Volatile Or           Result mg/kg         Reporting Limit mg/kg           ND         0.0250           7.41	Project Number:         19           Project Manager:         Ly           Volatile Organics I           Result         Reporting Limit         Spike Level           mg/kg         mg/kg         mg/kg           ND         0.0250         0           ND         0.0250         5.00           S28         0.0250         5.00           5.28         0.0250         5.00           5.21         0.0250         5.00           10.7         0.0500         10.0           15.9         0.0250         5.00           5.24         0.0250         5.00           5.19         0.0250         5.00           5.19         0.0250         5.00           5.19         0.0250         5.00           5.19         0.0250         5.00           5.14         <	Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021           Result         Reporting         Spike         Source           Result         mg/kg         mg/kg         mg/kg         mg/kg           ND         0.0250         ng/kg         mg/kg           ND         0.0250         nd         nd           A495         0.0250         5.00         nd           5.28         0.0250         5.00         nd           10.7         0.0250         5.00         nd           110.7         0.0250         5.00         ND           15.9         0.0250         5.00         ND           5.14         0.0250         5.00         ND <td>Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         ND         0.0250           ND         0.0250         S.00         99.0           5.28         0.0250         5.00         106           5.49         0.0250         5.00         101           5.21         0.0250         5.00         106           7.17         8.00         89.7           Source:         EU3091-           4.91         0.0250         5.00         ND         106           7.17         8.00         ND         105         5.44         0.0250</td> <td>Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B         Rec         Rec           Result         Reporting         Spike         Source         Rec         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         S.00         99.0         70-130           5.28         0.0250         S.00         110         70-130           5.28         0.0250         S.00         106         70-130           5.21         0.0250         S.00         104         70-130           5.23         0.0250         S.00         104         70-130           5.24         0.0250         S.00         104         70-130           5.25         0.0250         S.00         ND         98.2         \$4-133           5.44         0.0250         S.00&lt;</td> <td>Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Result         Rec Limits         RPD %           Mg/kg         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         %         %         %           ND         0.0250         ND         0.0250         ND         %         %         %           ND         0.0250         ND         0.0250         %         %         %         %           ND         0.0250         5.00         99.0         70-130         %         %         %           4.95         0.0250         5.00         99.0         70-130         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %</td> <td>Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Rec         RPD         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         mg/kg         7.47         8.00         92.6         70-130           ND         0.0250         mb         99.0         70-130         91.5/22         .           7.47         8.00         92.6         70-130         91.5/22         .           4.95         0.0250         5.00         99.0         70-130         15.22         .           4.95         0.0250         5.00         106         70-130         15.22         .           4.95         0.0250         5.00         106         70-130         15.22         .           5.21         0.0250         5.00         106         70-130         15.22         .           5.21         0.0250         5.00         106         70-130         15.22         .</td>	Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %           ND         0.0250         mg/kg         mg/kg         %           ND         0.0250         ND         0.0250           ND         0.0250         S.00         99.0           5.28         0.0250         5.00         106           5.49         0.0250         5.00         101           5.21         0.0250         5.00         106           7.17         8.00         89.7           Source:         EU3091-           4.91         0.0250         5.00         ND         106           7.17         8.00         ND         105         5.44         0.0250	Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B         Rec         Rec           Result         Reporting         Spike         Source         Rec         Rec           mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         ND         0.0250         ND         0.0250           ND         0.0250         S.00         99.0         70-130           5.28         0.0250         S.00         110         70-130           5.28         0.0250         S.00         106         70-130           5.21         0.0250         S.00         104         70-130           5.23         0.0250         S.00         104         70-130           5.24         0.0250         S.00         104         70-130           5.25         0.0250         S.00         ND         98.2         \$4-133           5.44         0.0250         S.00<	Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting Limit         Spike Level         Source Result         Rec Result         Rec Limits         RPD %           Mg/kg         mg/kg         mg/kg         mg/kg         %         %         %           ND         0.0250         mg/kg         mg/kg         mg/kg         mg/kg         %         %           ND         0.0250         ND         0.0250         ND         %         %         %           ND         0.0250         ND         0.0250         ND         %         %         %           ND         0.0250         ND         0.0250         %         %         %         %           ND         0.0250         5.00         99.0         70-130         %         %         %           4.95         0.0250         5.00         99.0         70-130         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %         %	Project Number:         19026-0001           Project Manager:         Lynn Acosta           Volatile Organics by EPA 8021B           Result         Reporting         Spike         Source         Rec         Rec         RPD         RPD         Limit           mg/kg         mg/kg         mg/kg         mg/kg         %         %         %         %         %           ND         0.0250         mg/kg         mg/kg         7.47         8.00         92.6         70-130           ND         0.0250         mb         99.0         70-130         91.5/22         .           7.47         8.00         92.6         70-130         91.5/22         .           4.95         0.0250         5.00         99.0         70-130         15.22         .           4.95         0.0250         5.00         106         70-130         15.22         .           4.95         0.0250         5.00         106         70-130         15.22         .           5.21         0.0250         5.00         106         70-130         15.22         .           5.21         0.0250         5.00         106         70-130         15.22         .

# **QC Summary Data**

		QC D	umm	aly Data	L				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	1	Gravel Grinder 9026-0001 Lynn Acosta					<b>Reported:</b> 3/15/2022 6:07:39PM
	No	nhalogenated O	rganics	s by EPA 801	5D - GI	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	N .
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212019-BLK1)							Prepared: 0	3/15/22 A	analyzed: 03/15/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			
LCS (2212019-BS2)							Prepared: 0	3/15/22 A	analyzed: 03/15/22
Gasoline Range Organics (C6-C10)	49.1	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		8.00		95.2	70-130			
Matrix Spike (2212019-MS2)				Source: I	E203091-	02	Prepared: 0	3/15/22 A	analyzed: 03/15/22
Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			
Matrix Spike Dup (2212019-MSD2)				Source: I	E203091-	02	Prepared: 0	3/15/22 A	analyzed: 03/15/22
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0	ND	96.8	70-130	0.292	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.65		8.00		95.6	70-130			

## **QC Summary Data**

		$\mathbf{x} \in \mathcal{S}$			•				
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		ravel Grinder 9026-0001					Reported:
Carlsbad NM, 88220		Project Manager:		ynn Acosta					3/15/2022 6:07:39PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212012-BLK1)							Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			
LCS (2212012-BS1)							Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Diesel Range Organics (C10-C28)	466	25.0	500		93.2	38-132			
Surrogate: n-Nonane	56.4		50.0		113	50-200			
Matrix Spike (2212012-MS1)				Source: <b>F</b>	203091-	09	Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Diesel Range Organics (C10-C28)	481	25.0	500	ND	96.2	38-132			
Surrogate: n-Nonane	60.9		50.0		122	50-200			
Matrix Spike Dup (2212012-MSD1)				Source: <b>F</b>	203091-	09	Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Diesel Range Organics (C10-C28)	497	25.0	500	ND	99.3	38-132	3.23	20	
Surrogate: n-Nonane	61.2		50.0		122	50-200			



### **QC Summary Data**

			•		•				
Souder Miller Associates - Carlsbad		Project Name:	C	Gravel Grinder					Reported:
201 S Halagueno St.		Project Number:	1	9026-0001					
Carlsbad NM, 88220		Project Manager:	I	lynn Acosta					3/15/2022 6:07:39PM
		Anions	by EPA	300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212017-BLK1)							Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Chloride	ND	20.0							
LCS (2212017-BS1)							Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Chloride	241	20.0	250		96.3	90-110			
Matrix Spike (2212017-MS1)				Source:	E203091-	07	Prepared: 02	3/15/22 A	Analyzed: 03/15/22
Chloride	4360	400	250	3270	434	80-120			M2
Matrix Spike Dup (2212017-MSD1)				Source:	E203091-	07	Prepared: 0	3/15/22 A	Analyzed: 03/15/22
Chloride	3330	400	250	3270	23.0	80-120	26.8	20	M2

QC Summary Report Comment:

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



	2 emilions		
Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Lynn Acosta	03/15/22 18:07

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

lient:	SMA					Bill To	6. 6. 10			La	ab Us	e Onl	y				TAT	5	EPA P	rogram
roject:	Gravel Grin					entior Melodie Sanjari		Lab	WO#	ŧ		Job N				2D 3	D	Standard	CWA	SDWA
	Manager: Lyn				Contract of the local division of the local	dress: Marathon Oil		E	203	609	1			-0001						
	201 S. Hala	gueno St	treet		CONSTRUCT.	y, State, Zip			-			Analys	sis an	d Metho	ď		_			RCRA
1	<u>, NM 88220</u>	-			18542428	one:		-		S	. 8		50							
hone:	505320897 ashley.maxw		lomrillor	com	<u>En</u>	ail: msanjari@marathonoil	.com	8015	3015		-			10	1.1			NINAL CO.	State	
leport d		encesouc	lenniner					yd (	by	021	260	010	300.0	Σ		- E		NIVI CO	UT AZ	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample II	)		Lab	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC-NM	2	1			Remarks	
Carlotterorate II	3/44/22	Soil	1			NG1	Numb	er 🗅	5	8	>	2	0	X			+	_		
	1	Soil	1			NG2	2							x			+			
		Soil	1			NG3	3			2	1	1		x			+	- P		
		Soil	1			NG4	4			S.				x		2	-			
		Soil	1			NG5	5							x				-		
		Soil	1	20.		NG6	4							x				107		
		Soil	1			NG7	7							X				2		
		Soil	1			NG8	8							X						
		Soil	1			NG9	9							X					5	
	1	Soil	1			NG10	10							X					2	
, (field sam		validity and	authenticit	y of this samp	le. I am aware tha	at tampering with or intentionally misla		at reason are		hon \		Samples	requiri	ng thermal p				ved on ice the day t C on subsequent da		ed or receive
	ed by (signature	0			Time Z:31	Received by: (Signature)	Date 3-1	4-72	Time 14	י י					Lal	b Use (				
Ruish	ied by: (Signature) Date Time			Time	ne Received by (Signature) Date				8:2	Received on ice: <i>D</i> / N <u>75 T1 T2 T3</u>										
Relinquish	ed by: (Signature) Date Time					Received by: (Signature)	Date	The         T1         T2         T3           Time         AVG Temp °C_4         4         4												
ample Mat	rix: <b>S</b> - Soil, <b>Sd</b> - So	lid, Sg - Sluc	ige, A - Aque	eous, <b>O</b> - Othe	er in the second s	Container Ty			ntainer Type <u>:</u> g - glass, p - poly/plastic, ag - amber glass, v - VOA											

Released to Imaging: 5/17/2022 2:31:14 PM

### Chain of Custody

lient: SMA				Section.	Bill To		1.1.1.1.1.1.1.	Lanciona	la	b Us	e On	lv				TA	Т	EPA P	rogram
roject: Gravel Gr	inder			Atter	ntior Melodie Sanjari		Lab	WO#	and the second states of the s	11/10/00/00/00	and the second se	Num	ber	1D	2D	3D	Standar		SDWA
roject Manager: Ly	nn Acosta				ess: Marathon Oil		E	203	509				000	X					
ddress: 201 S. Hal	agueno S	treet		City,	State, Zip	14		Contra de la					nd Meth						RCRA
arlsbad, NM 88220				Phon									29				and a second		
hone: 50532089				<u>Emai</u>	il: msanjari@marathonoil.c	com	3015	3015	ξ.,		1	-		1.0			NINAL	State	TYL
mail: ashley.maxw Report due by:	ven@souc	emmer.	com				by a	by 8	3021	260	010	300.0	Σ	111			NIVI	CO UT AZ	
Time		No. of				Lab	/ORC	/DRC	by 8	by 8.	als 60	Chloride 300.0	OC-N						
Sampled Date Sampled	Matrix	Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloi	BGDOC-NM					Remarks	5
3/14/22 -1	Soil	1			NG11	11							x				12		
	Soil	1			NG12	12	•						x						
	Soil	1			-NG13-BG-SV1( -NG14 BG-L'	13			2				x					<u> </u>	
	Soil	1				14							х			3			
	Soil	1			-NG15 BG - 21	15							x	1.0			A.		
	Soil	1			NG15BG - 3'	16							X						
+ +	Soil	1			BG -41	17					1			_					
	Soil	1	S.,											-			_		
	Soil	1								1							-16		
	Soil	1																	
					Ashley Maxwell on lab rep	100			hon V	NBS	TA.2	0.02	750.002	2					÷.,
(field sampler), attest to th ate or time of collection is c					tampering with or intentionally mislab Sampled by:	pelling the sample lo	ocation	,									eived on ice the °C on subseque	day they are samp nt days.	led or receive
elinquished by: (Signatur			-14-22 I Time		Received by (Signature)	Date 3 - (4	1.72	Time	1:3	31	Rece	eived	on ice:		ab Us / N	se Onl	у		
elihquished by: (Signaru	(a)	Date	Time		Received by (Signature)	- 3/157	22	Time	25		T1			<u>T2</u>			<u></u>		
elinquished by: (Signatu	re)	Date	Time		Received by: (Signature)	Date		Time			AVG	i Ten	np °C	4					
ample Matrix: <b>S</b> - Soil, <b>Sd</b> - S						Containe				<b>p</b> - po	oly/pl	astic,	ag - am	ber gla					
					rangements are made. Hazardou is COC. The liability of the laborat													te	

### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Souder Miller Associates - Carlsbad	Date Received:	03/15/22 08:	25	Work Order ID: E203091
Phone:	(575) 200-5443	Date Logged In:	03/14/22 15:	18	Logged In By: Alexa Michaels
Email:		Due Date:	03/15/22 17:	00 (0 day TAT)	
Chain o	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location matc	h the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Courrier
4. Was th	he COC complete, i.e., signatures, dates/times, request	ed analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssior		Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		CC Lynn Acosta, Melodie Sanjari, and
Sample	<u>Cooler</u>				Ashley Maxwell on lab reports. Direct bill
7. Was a	sample cooler received?		Yes		Marathon WBS TA.20.02750.002
8. If yes,	, was cooler received in good condition?		Yes		Sampled times not provided on the COC.
9. Was tl	he sample(s) received intact, i.e., not broken?		Yes		sumpled times not provided on the COC.
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample t	emperature: 4°	С		
	, 1 1	· -			
Sample	Container				
	Container aqueous VOC samples present?		No		
14. Are a	aqueous VOC samples present?		No NA		
14. Are a 15. Are '	aqueous VOC samples present? VOC samples collected in VOA Vials?				
14. Are a 15. Are 7 16. Is the	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?		NA		
14. Are a 15. Are v 16. Is the 17. Was	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA		
14. Are a 15. Are v 16. Is the 17. Was 18. Are i	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?	ers collected?	NA NA NA		
14. Are a 15. Are v 16. Is the 17. Was 18. Are i	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe	ers collected?	NA NA NA Yes		
<ul> <li>14. Are a</li> <li>15. Are a</li> <li>16. Is the</li> <li>17. Was</li> <li>18. Are a</li> <li>19. Is the</li> <li>Field La</li> </ul>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe		NA NA NA Yes		
<ul> <li>14. Are a</li> <li>15. Are a</li> <li>16. Is the</li> <li>17. Was</li> <li>18. Are a</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ul>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum infor Sample ID?		NA NA NA Yes		
14. Are a 15. Are V 16. Is the 17. Was 18. Are 1 19. Is the Field La 20. Were	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected?		NA NA Yes Yes Yes No		
14. Are a 15. Are v 16. Is the 17. Was 18. Are n 19. Is the <b>Field La</b> 20. Were	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe <b>bbel</b> e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name?		NA NA NA Yes Yes		
14. Are a 15. Are v 16. Is the 17. Was 18. Are n 19. Is the <b>Field La</b> 20. Were S I C Sample	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containe blel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation	mation:	NA NA Yes Yes Yes No No		
14. Are a 15. Are v 16. Is the 17. Was 18. Are 1 19. Is the Field La 20. Were S I C Sample 21. Does	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre	mation:	NA NA Yes Yes Yes No No		
14. Are a 15. Are a 15. Are a 16. Is the 17. Was 18. Are a 19. Is the Field Laa 20. Were Sample 21. Does 22. Are a	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample container bel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were pre sample(s) correctly preserved?	mation: served?	NA NA Yes Yes No No No		
14. Are a 15. Are v 16. Is the 17. Was 18. Are n 19. Is the <b>Field La</b> 20. Were Sample 21. Does 22. Are s 24. Is lat	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre sample(s) correctly preserved? o filteration required and/or requested for dissolved me	mation: served?	NA NA Yes Yes Yes No No		
14. Are a 15. Are a 16. Is the 17. Was 18. Are a 19. Is the <b>Field La</b> 20. Were Sample 21. Does 22. Are s 24. Is lat <u>Multiph</u>	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre sample(s) correctly preserved? to filteration required and/or requested for dissolved me nase Sample Matrix	mation: served? stals?	NA NA Yes Yes No No No NA		
14. Are a 15. Are a 15. Are a 16. Is the 17. Was 18. Are a 19. Is the <b>Field La</b> 20. Were Sample 21. Does 22. Are a 24. Is lat <b>Multiph</b> 26. Does	aqueous VOC samples present? VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent thel e field sample labels filled out with the minimum infor Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were preserved? the COC or field labels indicate the samples were preserved? the filteration required and/or requested for dissolved metaines and the sample have more than one phase, i.e., multiphase	mation: served? etals? 5?	NA NA Yes Yes No No No No No		
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Signature of client authorizing changes to the COC or sample disposition.



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### Project Information

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203095

Job Number: 19026-0001

Received: 3/16/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/16/22

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: 3/16/22

Melodie Sanjari 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203095 Date Received: 3/16/2022 7:30:00AM

Melodie Sanjari,



Page 55 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/16/2022 7:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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### **Sample Summary**

		Sample Sum	mary		
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Reported:
201 S Halagueno St.		Project Number:	19026-0001		-
Carlsbad NM, 88220		Project Manager:	Melodie Sanjari		03/16/22 18:21
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WG - 25	E203095-01A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
WG - 26	E203095-02A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
WG - 27	E203095-03A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
WG - 28	E203095-04A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
WG - 29	E203095-05A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
WG - 30	E203095-06A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 31	E203095-07A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 32	E203095-08A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 33	E203095-09A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 34	E203095-10A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 35	E203095-11A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 36	E203095-12A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 37	E203095-13A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 18	E203095-14A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 19	E203095-15A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 20	E203095-16A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 21	E203095-17A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 22	E203095-18A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 23	E203095-19A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
/G - 24	E203095-20A	Soil	03/15/22	03/16/22	Glass Jar, 4 oz.
G - 13	E203095-21A	Soil	03/14/22	03/16/22	Glass Jar, 4 oz.
G - 14	E203095-22A	Soil	03/14/22	03/16/22	Glass Jar, 4 oz.
G - 15	E203095-23A	Soil	03/14/22	03/16/22	Glass Jar, 4 oz.
G - 16	E203095-24A	Soil	03/14/22	03/16/22	Glass Jar, 4 oz.
G - 17	E203095-25A	Soil	03/14/22	03/16/22	Glass Jar, 4 oz.



	D.	ampic D	ala			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SWG - 25				
		E203095-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Foluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Fotal Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		106 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212038
Chloride	848	100	5	03/16/22	03/16/22	

### Sample Data



	Si	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		SWG - 26				
		E203095-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	t: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		93.2 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	:: RAS		Batch: 2212038
Chloride	886	200	10	03/16/22	03/16/22	



### Sample Data

	5	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Gra	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		SWG - 27				
		E203095-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Fotal Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	:: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	:: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		93.9 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2212038
Chloride	1290	400	20	03/16/22	03/16/22	



	D.	ample D	ata			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Number	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		SWG - 28				
		E203095-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		93.0 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2212038
Chloride	1000	400	20	03/16/22	03/16/22	



### Sample Data

	5	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Number	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		SWG - 29				
		E203095-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		95.2 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2212038
Chloride	747	400	20	03/16/22	03/16/22	



	50	ample D	ala			
	Project Name:		vel Grinder			
6	Project Numbe		26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		SWG - 30				
		E203095-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	:: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		92.1 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2212038
Chloride	830	400	20	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 31				
		E203095-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Foluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		92.4 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	1540	400	20	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numł Project Mana	ber: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 32				
		E203095-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		94.9 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		90.8 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	1070	200	10	03/16/22	03/16/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 33				
		E203095-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		91.6 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	994	200	10	03/16/22	03/16/22	



	S	Sample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Nam Project Num Project Man	ber: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 34				
		E203095-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		95.0 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		91.1 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212038
Chloride	1970	400	20	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 35				
		E203095-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Foluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		92.3 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	2250	200	10	03/16/22	03/16/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 36				
		E203095-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		93.2 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	Analyst: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		92.6 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	957	200	10	03/16/22	03/16/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		SG - 37				
		E203095-13				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2212040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		96.5 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212038
Chloride	1440	400	20	03/16/22	03/16/22	



	Sa	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		WG - 18				
		E203095-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2212040	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		94.4 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2212038
Chloride	3180	400	20	03/16/22	03/16/22	
	53	ample D	ลเล			
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Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mel	odie Sanjari			3/16/2022 6:21:01PM
		WG - 19				
		E203095-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Fotal Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		91.8 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2212038
Chloride	1490	200	10	03/16/22	03/16/22	

	58	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001	Reported:		
Carlsbad NM, 88220	Project Manag	ger: Mel		3/16/2022 6:21:01PM		
		WG - 20				
		E203095-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Foluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		98.3 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2212038
Chloride	1420	200	10	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		WG - 21				
		E203095-17				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	Analyst: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		85.1 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2212038
Chloride	1520	400	20	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		WG - 22				
		E203095-18				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		101 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		101 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2212038
Chloride	1790	200	10	03/16/22	03/16/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		WG - 23				
		E203095-19				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.0 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	vst: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		99.0 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2212038
Chloride	1630	200	10	03/16/22	03/16/22	

	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
		WG - 24				
		E203095-20				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: 4-Bromochlorobenzene-PID		92.1 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212036
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2212040
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/16/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/16/22	
Surrogate: n-Nonane		105 %	50-200	03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2212038
Chloride	2010	200	10	03/16/22	03/16/22	



Nonhalogenated Organics by EPA 8015D - DRO/ORO

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

*						
	S	Sample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Nam Project Num	ıber: 1902	vel Grinder 26-0001			Reported:
Carlsbad NM, 88220	Project Man	ager: Mel	odie Sanjari			3/16/2022 6:21:01PM
		NG - 13				
		E203095-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analy	Analyst: IY		Batch: 2212045
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
Toluene	ND	0.0250	1	03/16/22	03/16/22	
o-Xylene	ND	0.0250	1	03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130	03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	03/16/22	03/16/22	
Surrogate: Toluene-d8		100 %	70-130	03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2212045
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		97.0 %	70-130	03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	03/16/22	03/16/22	
Surrogate: Toluene-d8		100 %	70-130	03/16/22	03/16/22	

mg/kg

25.0

50.0

mg/kg

200

102 %

Analyst: JL

Analyst: RAS

03/16/22

03/16/22

03/16/22

03/15/22

03/16/22

03/16/22

03/16/22

03/16/22

1

1

10

50-200

mg/kg

ND

ND

mg/kg

1540



Page 79 of 223

Batch: 2212041

Batch: 2212031

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: n-Nonane

Chloride

Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

Diesel Range Organics (C10-C28)

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Gasoline Range Organics (C6-C10)

Nonhalogenated Organics by EPA 8015D - GRO

Nonhalogenated Organics by EPA 8015D - DRO/ORO

<i>Received by OCD: 4/11/2022 11:21:17 AM</i>						rage ou			
	Sam	ple Dat	ta						
Souder Miller Associates - Carlsbad	ler Miller Associates - Carlsbad Project Name: Gravel Grinder								
201 S Halagueno St.	Project Number:	19026-	0001			Reported:			
Carlsbad NM, 88220	Project Manager:	Melodi	ie Sanjari			3/16/2022 6:21:01PM			
	NC	G - 14							
	E203	3095-22							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst	: IY		Batch: 2212045			
Benzene	ND	0.0250	1	03/16/22	03/16/22				
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22				
Toluene	ND	0.0250	1	03/16/22	03/16/22				
p-Xylene	ND	0.0250	1	03/16/22	03/16/22				
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22				

0.0250

mg/kg

20.0

mg/kg

25.0

50.0

mg/kg

200

94.7 %

101 %

98.1 %

94.7 %

101 %

98.1 %

105 %

ND

mg/kg

ND

mg/kg

ND

ND

mg/kg

1500

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/15/22

1

1

1

1

10

Analyst: IY

Analyst: JL

Analyst: RAS

70-130

70-130

70-130

70-130

70-130

70-130

50-200

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

Batch: 2212045

Batch: 2212041

Batch: 2212031

envirotech Inc.

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2212045
Benzene	ND	0.0250	1		03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1		03/16/22	03/16/22	
Toluene	ND	0.0250	1		03/16/22	03/16/22	
o-Xylene	ND	0.0250	1		03/16/22	03/16/22	
p,m-Xylene	ND	0.0500	1		03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1		03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		03/16/22	03/16/22	
Surrogate: Toluene-d8		99.8 %	70-130		03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2212045
Gasoline Range Organics (C6-C10)	ND	20.0	1		03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		03/16/22	03/16/22	
Surrogate: Toluene-d8		99.8 %	70-130		03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL	_		Batch: 2212041
Diesel Range Organics (C10-C28)	ND	25.0	1		03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0	1		03/16/22	03/16/22	
Surrogate: n-Nonane		75.7 %	50-200		03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: R.	AS		Batch: 2212031
Chloride	1660	200	10	)	03/15/22	03/16/22	



<i>Received by OCD: 4/11/2022 11:21:17 AM</i>						Page 02
	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 odie Sanjari			<b>Reported:</b> 3/16/2022 6:21:01PM
Carisbad Iviv, 66220		NG - 16		5/10/2022 0.21.011 M		
		E203095-24				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst	IY		Batch: 2212045
Benzene	ND	0.0250	1	03/16/22	03/16/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/16/22	
foluene	ND	0.0250	1	03/16/22	03/16/22	
p-Xylene	ND	0.0250	1	03/16/22	03/16/22	
o,m-Xylene	ND	0.0500	1	03/16/22	03/16/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		94.8 %	70-130	03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	03/16/22	03/16/22	
Surrogate: Toluene-d8		99.2 %	70-130	03/16/22	03/16/22	

Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analy	st: IY		Batch: 2212045
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		94.8 %	70-130		03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		03/16/22	03/16/22	
Surrogate: Toluene-d8		99.2 %	70-130		03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analy	st: JL		Batch: 2212041
Diesel Range Organics (C10-C28)	ND	25.0		1	03/16/22	03/16/22	
Oil Range Organics (C28-C36)	ND	50.0		1	03/16/22	03/16/22	
Surrogate: n-Nonane		109 %	50-200		03/16/22	03/16/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analy	st: RAS		Batch: 2212031
Chloride	2650	400		20	03/15/22	03/16/22	

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4

Ethylbenzene

Received by OCD: 4/11/2022 11:21:17 AM						Page 83 of		
	Sam	ple Da	ta					
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder					
201 S Halagueno St.	Project Number:	Project Number: 19026-0001						
Carlsbad NM, 88220	Project Manager:	Melod	ie Sanjari	3/16/2022 6:21:01PM				
	NO	G - 17						
	E20.	3095-25						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst	: IY		Batch: 2212045		
Benzene	ND	0.0250	1	03/16/22	03/16/22			

0.0250

0.0250

0.0250

0.0500

0.0250

93.8 %

97.0 %

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

1

1

1

1

1

70-130

70-130

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

03/16/22

Surrogate: Toluene-d8		97.1 %	70-130		03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2212045
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/16/22	03/16/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		03/16/22	03/16/22	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130		03/16/22	03/16/22	
Surrogate: Toluene-d8		97.1 %	70-130		03/16/22	03/16/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2212041
Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	mg/kg ND	mg/kg 25.0		Analyst: 1	: JL 03/16/22	03/16/22	Batch: 2212041
				Analyst: 1 1		03/16/22 03/16/22	Batch: 2212041
Diesel Range Organics (C10-C28)	ND	25.0	50-200	Analyst: 1 1	03/16/22		Batch: 2212041
Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	25.0 50.0	50-200	Analyst: 1 1 Analyst:	03/16/22 03/16/22 03/16/22	03/16/22	Batch: 2212041 Batch: 2212031

ND

ND

ND

ND

ND



## QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:	19	ravel Grinder 026-0001					Reported:
Carlsbad NM, 88220		Project Manager:	М	elodie Sanjari					3/16/2022 6:21:01PM
	Y	Volatile Organic	Compo	unds by EPA	A 82601	B			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212045-BLK1)							Prepared: 0	3/16/22 A	nalyzed: 03/16/22
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.458		0.500		91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
LCS (2212045-BS1)							Prepared: 0	3/16/22 A	nalyzed: 03/16/22
Benzene	2.77	0.0250	2.50		111	70-130			
Ethylbenzene	2.86	0.0250	2.50		114	70-130			
Toluene	2.86	0.0250	2.50		114	70-130			
p-Xylene	2.74	0.0250	2.50		110	70-130			
o,m-Xylene	5.54	0.0500	5.00		111	70-130			
Total Xylenes	8.28	0.0250	7.50		110	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		97.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		100	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			
LCS Dup (2212045-BSD1)							Prepared: 0	3/16/22 A	nalyzed: 03/16/22
Benzene	2.73	0.0250	2.50		109	70-130	1.31	23	
Ethylbenzene	2.77	0.0250	2.50		111	70-130	3.30	27	
Foluene	2.78	0.0250	2.50		111	70-130	2.80	24	
p-Xylene	2.65	0.0250	2.50		106	70-130	3.28	27	
o,m-Xylene	5.36	0.0500	5.00		107	70-130	3.29	27	
Fotal Xylenes	8.01	0.0250	7.50		107	70-130	3.29	27	
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
arrogate. Bromojtuorobenzene									
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			



## **QC Summary Data**

		$\mathbf{x} \in \mathbb{R}$		ing Dava						
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	19	ravel Grinder 0026-0001 felodie Sanjari					<b>Reported:</b> 3/16/2022 6:21:01PM	
	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	
			g		70	70	70	70	Totes	
Blank (2212036-BLK1)			Prepared: 0	3/16/22 A	Analyzed: 03/16/22					
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
p-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: 4-Bromochlorobenzene-PID	7.51		8.00		93.9	70-130				
LCS (2212036-BS1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22	
Benzene	4.81	0.0250	5.00		96.3	70-130				
Ethylbenzene	5.15	0.0250	5.00		103	70-130				
Toluene	5.33	0.0250	5.00		107	70-130				
p-Xylene	5.11	0.0250	5.00		102	70-130				
p,m-Xylene	10.5	0.0500	10.0		105	70-130				
Total Xylenes	15.6	0.0250	15.0		104	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130				
LCS Dup (2212036-BSD1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22	
Benzene	4.92	0.0250	5.00		98.4	70-130	2.12	20		
Ethylbenzene	5.25	0.0250	5.00		105	70-130	1.77	20		
Toluene	5.43	0.0250	5.00		109	70-130	1.90	20		
p-Xylene	5.19	0.0250	5.00		104	70-130	1.61	20		
p,m-Xylene	10.7	0.0500	10.0		107	70-130	1.67	20		
Total Xylenes	15.8	0.0250	15.0		106	70-130	1.65	20		
Surrogate: 4-Bromochlorobenzene-PID	7.59		8.00		94.9	70-130				



## **QC Summary Data**

		QU N	umm	ary Data					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager	: 1	Gravel Grinder 19026-0001 Melodie Sanjari					<b>Reported:</b> 3/16/2022 6:21:01PM
	No	onhalogenated	Organics	s by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212036-BLK1)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.56		8.00		94.5	70-130			
LCS (2212036-BS2)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		8.00		94.8	70-130			
LCS Dup (2212036-BSD2)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Gasoline Range Organics (C6-C10)	48.4	20.0	50.0		96.8	70-130	1.32	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



## **QC Summary Data**

				<i>J</i> –					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		Gravel Grinder 19026-0001 Melodie Sanjari					<b>Reported:</b> 3/16/2022 6:21:01PM
	No	onhalogenated O	Organic	s by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
					70	70		70	10005
Blank (2212045-BLK1)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.458		0.500		91.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			
LCS (2212045-BS2)							Prepared: 0	3/16/22 A	nalyzed: 03/16/22
Gasoline Range Organics (C6-C10)	60.3	20.0	50.0		121	70-130			
Surrogate: Bromofluorobenzene	0.475		0.500		94.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.7	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
LCS Dup (2212045-BSD2)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Gasoline Range Organics (C6-C10)	62.7	20.0	50.0		125	70-130	3.87	20	
Surrogate: Bromofluorobenzene	0.471		0.500		94.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

## **QC Summary Data**

		-		v					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		ravel Grinder 0026-0001					Reported:
Carlsbad NM, 88220		Project Manager:		elodie Sanjari					3/16/2022 6:21:01PM
	Nonh	alogenated Org	anics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212040-BLK1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.4	50-200			
LCS (2212040-BS1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	450	25.0	500		89.9	38-132			
Surrogate: n-Nonane	40.9		50.0		81.8	50-200			
LCS Dup (2212040-BSD1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	335	25.0	500		67.0	38-132	29.1	20	R2
Surrogate: n-Nonane	40.0		50.0		80.1	50-200			



## **QC Summary Data**

		<u> </u>		v					
Souder Miller Associates - Carlsbad		Project Name:		ravel Grinder					Reported:
201 S Halagueno St. Carlsbad NM, 88220		Project Number: Project Manager:		026-0001 elodie Sanjari					3/16/2022 6:21:01PM
	Nonh	alogenated Org	anics by	EPA 8015E	) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212041-BLK1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.7		50.0		97.4	50-200			
LCS (2212041-BS1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	466	25.0	500		93.3	38-132			
Surrogate: n-Nonane	49.1		50.0		98.2	50-200			
LCS Dup (2212041-BSD1)							Prepared: 0	3/16/22 A	Analyzed: 03/16/22
Diesel Range Organics (C10-C28)	465	25.0	500		92.9	38-132	0.354	20	
Surrogate: n-Nonane	48.1		50.0		96.3	50-200			



## **QC Summary Data**

		<b>C</b>			-				
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:
201 S Halagueno St.		Project Number:	19	9026-0001					•
Carlsbad NM, 88220		Project Manager	: M	lelodie Sanjari					3/16/2022 6:21:01PM
		Anions	by EPA 3	300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212031-BLK1)							Prepared: 0	3/15/22	Analyzed: 03/16/22
Chloride	ND	20.0							
LCS (2212031-BS1)							Prepared: 0	3/15/22	Analyzed: 03/16/22
Chloride	266	20.0	250		106	90-110			
Matrix Spike (2212031-MS1)				Source: I	E <b>203080-</b> (	)1	Prepared: 0	3/15/22	Analyzed: 03/16/22
Chloride	256	20.0	250	ND	102	80-120			
Matrix Spike Dup (2212031-MSD1)				Source: I	E <b>203080-</b> (	)1	Prepared: 0	3/15/22	Analyzed: 03/16/22
Chloride	262	20.0	250	ND	105	80-120	2.21	20	



## **QC Summary Data**

				v					
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:
201 S Halagueno St.		Project Number:	1	9026-0001					
Carlsbad NM, 88220		Project Manager:	Ν	Ielodie Sanjari					3/16/2022 6:21:01PM
		Anions	by EPA	300.0/9056A	<b>L</b>				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212038-BLK1)							Prepared: 0.	3/16/22 A	nalyzed: 03/16/22
Chloride	ND	20.0							
LCS (2212038-BS1)							Prepared: 0.	3/16/22 A	nalyzed: 03/16/22
Chloride	250	20.0	250		100	90-110			
LCS Dup (2212038-BSD1)							Prepared: 03	3/16/22 A	nalyzed: 03/16/22
Chloride	249	20.0	250		99.4	90-110	0.578	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.



Project Name:	Gravel Grinder	
Project Number:	19026-0001	Reported:
Project Manager:	Melodie Sanjari	03/16/22 18:21
	Project Number:	Project Number: 19026-0001

- 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.





ject Information									24-1	Hev	1			
	Bill To				Lal	o Use	Only		TA	T	El	PA Progra		
ent: Marahan	Attention:		Lab V	VO#		J	ob N	umber	1D	3D	RCRA	CWA	SDWA	
ject: Gravel Grinder ject Manager: Mel Sanjar;	Address:		PE	20:	309.			24-0001						
dress:	City, State, Zip					A	nalys	is and Metho	d			NM CO	ate	
y, State, Zip	Phone:					_						NIVI CO		
one:	Email:		3015	3015								TX OK		
port due by:	WO# TA. 20.027	50.002	DRO/ORO by 8015	GRO/DRO by 8015	y 8021	8260	6010	Chloride 300.0	BGDOC - NM	×1.				
Time Date Matrix Containers Sample ID		Lab Number	DRO/O	GRO/D	BTEX by 8021	VOC by 8260	Metals 6010	Chloric	BGDO	BGDOC - TX		Rer	marks	
300 3/15/22 S 1 SWG-2	25	1.							X					
305 3/15/22 5 21 SW6-2	L	2					_		X					
307 3/15/22 5 1 SWG-2	27	3			-			<u> </u>	X					
310 3/15/22 5 1 SWG-2	8	4					_		1					
315 3/15/22 S I SWG-2	9	5							X	-				
318 31.5/22 5 i SWG-2	30	0							X					
1349 3/15/22 5 1 5G-31		1			3				X	-				
355 3/15/22 5 1 56-32		8		-	-		-			-				
1400 3/15/22 5 1 5G-33		9	-	-				-	X					
1407 3/15/12 5 1 5G-34	1	10			L		1		7	`				
dditional Instructions:						÷.,								
fie'd sampter), attest to the validity and authenticity of this sample. I am aware me of collection is considered fraud and may be grounds for legal action. Sampl	that tampering with or intentionally mislabelling the sample	e location, date or					Sampler	s requiring thermal p d packed in ice at an	reservation avg temp a	n must be ibove 3 b	e received on ice ut less than 6 <sup>1</sup> 0	the day they are on subsequent :	iays	
elinguished by (Signature) MMU Date 19/19/22	17 Racefiled by: (Signature)	Date 3-)5	. 22		51-	7	Rec	eived on ice		tab l	Jse Only N			
Time	00 Received by: (Signature)	- 3/14	122	Time	30		<u>T1</u>		<u></u> <u>T2</u>			<u>T3</u>		
elinquished by: (Signature) Date Time	Received by: (Sigrature)	Date Time AVG Temp °C4												
ample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Contain	ner Typ	be: g	glass	s, <b>p</b> - p	oly/p	olastic, ag - ar	nber g	lass, v	V-VOA		as is applies	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 dars after results are reported unless o only to those samples received by the laboratory with this COC. The ii	ther arrangements are made Hazardous samples wi ability of the laboratory is limited to the amount paid	il be returned to for on the repor	o client o rt.	or disp	osed o	f at the	client	expense. The re	port for	the an	alvsis of the	above sampl	es is applica	

Released to Imaging: 5/17/2022 2:31:14 PM

						D/II T-	-			12	b Use	Onl		1	24- 1 TA			PA Prog	ram
ient: N	arinder anager: M	on			Attention:	Bill To		lah V	NO#			lob N	lumber		1D		RCRA	CWA	
oject: 6	armder	Grin	ave		Address:		2	PE	NO#	109:	5	190	210-0	001	X				
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none:	.,				Email:			015	510							1 (		TXC	K
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eport du	ue by:						Lab	ORO	DRO	by 8	by 82	ls 60	ide		- 20	C - 1			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC • TX		R	emarks
1430	3/15/22	5	1	56-35			11								×				
1505	3/15/22	5	1	56-36			12							1	X				
1510	3/15/22	5	١	56-37			13								X				
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Additio	nal Instru	ctions:							ستان از	 84-	1								
; (fie'd samp	oler), attest to t	he validity and	authenticity c	of this sample. I am aware	that tampering with or inte	ntionally mislabelling the sampl	e location, date or					Sample	es requiring t ed packed in i	hermal pri ce at an a	eservation vg temp a	must be bove 3 b	received on ice or less than 6 °C	the day they on subseque	are sampled or 11 days
	heo by: (Sie)			ads for legal action. Sample	1-7 Received t	y: (Signature)	Date 3-15	5-2	Time		7	Rec	eived o	n ice		lab l	Jse Only N		
11	hed by (Sig		Dat		Received I	by: (Signature)	Date 3/16	77.	Tim		United	T1			<u>T2</u>			<u>T3</u>	
Relinquis	Thed by: (Sig	nature)	Dat			oy: (Signature)	Date		Tim			AV	G Temp	°C	4				
							Contain	er Tv	pe: g	- glas	s, p - 1	nolv/	plastic, a	g - an	ber g	lass, v	- VOA		
		In J DO day	- offor cacult	Aqueous, O - Other	her arrangements are n	nade Hazardous samples w s limited to the amount paid	ill be returned to	client	or disp	osed c	of at the	client	expense.	Therep	port for	the an	alivsis of the	above sam	ples is applic

## **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/16/22 07:	:30	Work Order ID: E203095
Phone:	(575) 200-5443	Date Logged In:	03/15/22 16:	37	Logged In By: Caitlin Christian
Email:		Due Date:	03/16/22 17	:00 (0 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location i	natch the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>Carrier</u>
4. Was th	ne COC complete, i.e., signatures, dates/times, req	uested analyses?	Yes		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducte i.e, 15 minute hold time, are not included in this disuc		Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Recieved an additional 12 samples. Spoke
Sample	<u>Cooler</u>				with Lynn Acosta asked to add samples and
7. Was a	sample cooler received?		Yes		run for same analysis.
8. If yes,	was cooler received in good condition?		Yes		
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		
10. Were	custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was tl	he sample received on ice? If yes, the recorded temp is 4 Note: Thermal preservation is not required, if samples		Yes		
13 Ifno	minutes of sampling visible ice, record the temperature. Actual sam	nle temperature: 4°	°C		
		pie temperature. <u>+</u>	<u>U</u>		
	<u>Container</u> aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct contained	ers?	Yes		
	appropriate volume/weight or number of sample con		Yes		
Field La					
	field sample labels filled out with the minimum i	nformation:			
	Sample ID?		Yes		
	Date/Time Collected?		Yes	I	
	Collectors name?		No		
-	Preservation		ът.		
	the COC or field labels indicate the samples were	e preserved?	No Na		
	sample(s) correctly preserved? o filteration required and/or requested for dissolve	d metals?	NA No		
		u metais:	INO		
	ase Sample Matrix	-h9	27		
	the sample have more than one phase, i.e., multip		No		
$\angle 1$ . If yes	s, does the COC specify which phase(s) is to be an	aiyzea?	NA		
•	and Table and a				
	ract Laboratory				
28. Are s	ract Laboratory samples required to get sent to a subcontract labor a subcontract laboratory specified by the client an		No NA S		

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



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oject Info	ormation		(SI	(AM			Chain of C	ustody									,	Page	_ <u>1_</u> of_
C	and	- N	iller	3/10 lates	122 00										24-1			DA Desar	
ient: M	avalle	m p	issoc	iates		Bil	TO		Lab	10#		Use (		her	TA 1D		RCRA	PA Progra	SDWA
oject: 4	ravel C	Koler S	anjari		Atter				PF	20	3095	FIC	020	ber 8-0001	X				
dress:	anager: r	ner D	anjari			State, Zip			50	LATE		An	alysis a	nd Metho	d				ate
ty, State	, Zip				Phon	e:												NM CO	UT AZ
one:					Emai	l:			80.15	8015			0					TX OK	
nail:	a bu:				W	0# TA. 21	0.027 5	0.002	Vd OS	vd oby	802.3	0102	00E a		NN-	TX.			
Time Time	Date Sampled	Matrix	No Containers	Sample ID				Lab Number	DRO/ORO by	GRO/DRO hy 8015	BTEX by 8021		Chloride 300.0		BGDOC-NM	BGDOC		Re	marks
	3/15/22	5	1	SWG	- 25			1.							X				
305	3/15/22	5	21	SWG-	ZL			2							×				
307	3/15/22	5	1	SWG	- 27			3				-			X				
1310	3/15/22	5	i	SWG	- 28			4							*				
1315	3/15/22	\$	1	SWG-	29			5							8				
1318	3/15/22	5	i	SWG	- 30			0							X				
1349	3/15/22	5	:	56 - 3	31			1							X	-			
1355	21	5	1	56 -	32			8							X				
1400	3/15/22	5	ì	56-	33			9							X	-			
1407	1 24	S	1	56-	34			10							1	·			
anna	al Instru	inn	Hoost	a/Asr	reyl	laxwell /	Mel Sa	nyar	<u>`</u>			Is	amples reg	aring thermal pr	reservation	must be	received o'n so	te the day they are	e sam pleti pr
(fie'd samp	ler), attest to th	he validity and	authenticity of	this sample. I am is for legal action. I	aware that famper	ing with or intentionally mi	slabelling the sample los	cation_bate or			_		eceived pac	ked in ice at an i	avg temp al	bove J bu	ut less than 6	C on subsequent	days
	red by: (Sign		IIII Date	119/22	1517	Racanged by: (Slana	ture	3-)5	5.27		517		Receiv	ed on ice		D/ 1	Jse Only N	•	
Rinquist	ned by: (Sign	fature)	Dati 3	15.22	1800	Received by: (Signa	Chiten	Date 3/14	12:	2 7	:30		T1		<u>_ T2</u>			<u></u> <u>T3</u>	
Relinquis	hed by: (Sig	nature)	Dat		lime	Received by: (Sigra		Date		Tim				emp <sup>c</sup> C_				4	•
Sample M	atrix: S - Soil,	Sd - Solid, Se	- Sludge, A -	Aqueous, O - Oll	her			Contain	ner Ty	pe: g	- glass,	p - pc	ly/plas	tic, ag - an	nber g	lass, v	- VOA	a above samp	les is applicabl
		the book hat	- after results	ara renorted up	less other arrang	sements are made Hata e laboratory is limited to	ardous samples will b the amount paid for	e returned to on the repo	o client irt.	or disp	osed of a	cmec	ient expe	use. there	Port-or	are all	and a contract	a sector surre p	
on'y to the						· · · · · · · · · · · ·								z - ş - ş	•	- AND		ener Progenski s	en il

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Time Sampled Sa	Date mpled	Matrix	No Cuntainers	Sample ID					Lab Number	DRO/ORO by 8015	GRO/DRO I/ 8015	BTEX by 8023	VOC by \$260	Metals 6010 Chioride 300.0			BGDOC-NM	BGUUL.		R	emarks			21:17
1430 3/	15/22	5	1	56-3	5				11						-		×							AM
1505 3	15/22	5	1	56-3	6			NALLS - STORE	12				4				X							
1510 3	15/22	5	1-	56-3	57				13		1						X	_		San	noles			
9:0531	15/22	S	1	WG-	-18				14								X		-	ad	npleg ded 1	per	Lynr	1 ta
9:073	lishz	S	1	WG-	-19				15							-	X	-	-	3/14	122 C	4	ricoc	,,,,,,
9:10 3	lista	S	L	WG-	.20				1.4						-		Л	-	_			-		
9:12 3	115/22	S		WG-	.21				17								X		_			-		
9:15 3	15122	S	1	WG-	- 22				18				-				X	-				-		
	liste	S	1	WG-	23				19								X							
9:20 2	3/15/22	S	1	WG	-24				20								X					_		
Additional	Instruc	tions:	Aros	Ta /As	hur	bxu	ell/m	ele	Son	ar	i					armal pupil	eval on the	st he race	wed on ice	the day they i	re sampled or			
; (fie'd sampler)	attest to th	e validity and red fraud and	authenticity c may be groun	d this sample. 1 and	n aware that tamper Sampled by:		onarly mislabelling the	e sample loci						received pa	guiding of	e at an avg	temp above	e D bes las	s than 6 °C	an subsequer	n days			
Relinquisher	The sign	anth	1 Day	115/22	1517	Rectived by	(Signature)		Date 3-15					Recei	ved o	n ice:	Ø		Only					
Reinquisher		ature)	Bat	5/22	Time SOC	Received by	(Signature)		Date 3/16	122	Time	30		<u>T1</u>		ر. چينين	<u>T2</u>			<u>T3</u>				
Relinquishe	d by: (Sign	nature)	Dat		Time	Received by	: (Sigrature)		Date		Time			AVG	Гетр	°c_L	1							
Sample Matr	in: 5 - 50il. 1	Sd - Solid, Sg	- Sludge, A -	Aqueous, 0 - 0	lher				Contain	ner Typ	pe: g -	glass,	n - n	olv/pla	stic, a	g - amb	er elas	S, V - V	OA	inove sam	oles is applicab	la		
	THE REAL PROPERTY AND ADDRESS OF	1 1 20 1-	ft or encult	- ara ranartad u	alass other arran	gements are maine laboratory is li	de Hazardous sam imited to the amou	ples will be nt paid for	on the repo	o client rt.	or disp	used of a	ic the	chent exp	ense.	the epo	e or the		a a mie					
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							F	Page 44	4 of 45															of 22

		1							rogram SDWA RCRA
Project Information (SMA)	Chain of	Custody						2	of <u>S</u>
Seuder Hiller 3/10/22 CC Client: Marathen Associates Project: Gravel Grinder Project Manager: Mel Sanjari		,					211 11-		
Client: Marathon Associates	Bill To	1	1	Lab I	Jse Only		24-Hour		
Project: Gravel Grinder	Attention: SIAA		Lab WC	)#	Job Numb	er 1		Standard CWA	SDWA
Address:	Address: City, State, Zip		EQU	3095		.0001	*		
	Phone:			TT	Analysis and				RCRA
Phone:	imail:		15				NY-	State	
Email:			oy 8015 oy 8015	21	0.0		3	NM CO UT AZ	TX
Time Data Sampled Matrix No. 97 C. 1 40		1	DRO E	oy 8021 y 8260	s 601 de 30				
Sampled Date Sampled Matrix Containers Sample ID		Lab Number	DRO/ORO by 8015 GRO/DRO by 8015	BTEX by 8021 VOC by 8260	Metals 6010 Chloride 300.0		8	Remarks	
14:15 3/14/22 S 1 NG-13		21					X	Sandes per lynn	Added
15:27 3/14/22 S 1 NG-14		22					X	3/16/22	CC
15131 3/14/22 S 1 NG-15		23						UNGILL	u
15:35 3/14/22 S I NG -110		24							
15:40 3/14/22 S 1 NG -17		25							
		au					N		
		1							
Additional Instructions: Concil Unn Acosta/Ashuu	Maxwell/Up18	anta	ri			1235			
<ol> <li>(field sampler), attest to the validity and authenticity of this sample. I am aware the date or time of collection is considered fraud and may be grounds for legal action.</li> </ol>	hat tampering with or intentionally mislabelling t Sampled by:	he sample oca	tion,		Samples requiring packed in ice at an	thermal preser avg temp abov	vation must be received ve 0 but less than 6 °C on	on ice the day they are sampled subsequent days.	or received
Relinquished by: (Signature) Date Time		Date	Time				Lab Use Only		
Relinquished by: (Signature) Date Time	Reseived by: (Signature)	Date 3/10/2	Time	30	Received or	ice: C	Y) N		
Relinquished by: (Signature) Date Time		Date	Time	2	<u>T1 '    </u>	<u>T2</u>		<u>T3</u>	
					AVG Temp				
Sample Matrix: 5 - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Note: Samples are discarded 30 days after results are reported unless othe	r arrangements are made Hazardous same	Container Ty	/pe: g - g	lass, p - po	oly/plastic, ag	- amber gl	ass, v - VOA		
samples is applicable only to those samples received by the laboratory with	this COC. The liability of the laboratory is li	mited to the	amount p	aid for on t	he report.	e client exp	ense. The report fo	or the analysis of the abo	
				-					ch rage ye of 2
				C	3 F	n	Vira	otec	h s
				~					
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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

Practical Solutions for a Better Tomorrow

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203100

Job Number: 19026-0001

Received: 3/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/22

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: 3/17/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203100 Date Received: 3/17/2022 8:30:00AM

Lynn Acosta,



Page 100 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2022 8:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### **Sample Summary**

		Sample Sum	mar y		
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Reported:
201 S Halagueno St.		Project Number:	19026-0001		Keporteu.
Carlsbad NM, 88220		Project Manager:	Lynn Acosta		03/17/22 17:34
lient Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
G 38	E203100-01A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
G 39	E203100-02A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
G 40	E203100-03A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 1	E203100-04A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 2	E203100-05A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 3	E203100-06A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 4	E203100-07A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 5	E203100-08A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 6	E203100-09A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 7	E203100-10A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 8	E203100-11A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 9	E203100-12A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 10	E203100-13A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 11	E203100-14A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 12	E203100-15A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 13	E203100-16A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 14	E203100-17A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 15	E203100-18A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 16	E203100-19A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 17	E203100-20A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 18	E203100-21A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.
W 19	E203100-22A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.



	Di	ample D	ลเล			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001		Reported:	
Carlsbad NM, 88220	Project Manag	ger: Lyn	n Acosta			3/17/2022 5:34:21PM
		SG 38				
		E203100-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		85.4 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212066
Chloride	1000	200	10	03/17/22	03/17/22	

## Sample Data



		imple D	ara			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manage	er: 1902	vel Grinder 26-0001 n Acosta			<b>Reported:</b> 3/17/2022 5:34:21PM
		SG 39				
	]	E203100-02				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.6 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	: RKS		Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.9 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	: JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		73.4 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2212066
Chloride	1160	400	20	03/17/22	03/17/22	

	56	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	19026-0001 Lynn Acosta			<b>Reported:</b> 3/17/2022 5:34:21PM
Carlsbad NM, 88220	Project Manag	er: Lyn				
		SG 40				
	-	E203100-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	/kg Analyst: JL			Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		94.2 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2212066

Sample Data	
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		imple D	utu			
Souder Miller Associates - Carlsbad	Project Name:	Gra	vel Grinder			
201 S Halagueno St.	Project Numbe	r: 1902	19026-0001 Lynn Acosta			<b>Reported:</b> 3/17/2022 5:34:21PM
Carlsbad NM, 88220	Project Manage	er: Lyn				
		SW 1				
	]	E203100-04				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		94.3 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		106 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2212066	
Chloride	1930	200	10	03/17/22	03/17/22	



## Sample Data

		imple D				
Souder Miller Associates - Carlsbad	Project Name:		Gravel Grinder			
201 S Halagueno St.	Project Number		26-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Lyni	Lynn Acosta			3/17/2022 5:34:21PM
		SW 2				
	I	E203100-05				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID	9	92.9 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		122 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2212066
Chloride	1690	400	20	03/17/22	03/17/22	


#### Sample Data

		imple D	ucu			
Souder Miller Associates - Carlsbad	Project Name:		vel Grinder			
201 S Halagueno St.	Project Numbe		26-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Lyni	n Acosta			3/17/2022 5:34:21PM
		SW 3				
	]	E203100-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		112 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2212066
Chloride	2510	400	20	03/17/22	03/17/22	



#### Sample Data

	50	imple D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Lyn	n Acosta			3/17/2022 5:34:21PM
		SW 4				
	]	E203100-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.6 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	/kg Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.2 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		116 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	:: RAS		Batch: 2212066
Chloride	2610	400	20	03/17/22	03/17/22	



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Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Lyn	n Acosta			3/17/2022 5:34:21PM
		SW 5				
		E203100-08				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst		Batch: 2212064	
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.9 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	Batch: 2212064		
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		115 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2212066
Chloride	1920	200	10	03/17/22	03/17/22	



	56	imple D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbe Project Manag	r: 1902	vel Grinder 26-0001 n Acosta			<b>Reported:</b> 3/17/2022 5:34:21PM
		SW 6				
	]	E203100-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	:: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	g Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.7 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		112 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	: RAS		Batch: 2212066
Chloride	1850	200	10	03/17/22	03/17/22	

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	25	imple D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	r: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Lyni	n Acosta			3/17/2022 5:34:21PM
		SW 7				
	]	E203100-10				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst	: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
thylbenzene	ND	0.0250	1	03/17/22	03/17/22	
oluene	ND	0.0250	1	03/17/22	03/17/22	
-Xylene	ND	0.0250	1	03/17/22	03/17/22	
,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
otal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
urrogate: 4-Bromochlorobenzene-PID		92.4 %	70-130	03/17/22	03/17/22	
onhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst	Batch: 2212064		
asoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
urrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
urrogate: n-Nonane		107 %	50-200	03/17/22	03/17/22	
anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2212066



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Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	er: Lyn	n Acosta			3/17/2022 5:34:21PM
		SW 8				
		E203100-11				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Fotal Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	Batch: 2212064		
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.1 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		124 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2212066
Chloride	1560	400	20	03/17/22	03/17/22	



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Souder Miller Associates - Carlsbad	Project Name:	Grav	vel Grinder			
201 S Halagueno St.	Project Numbe	r: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manage	er: Lyni	n Acosta			3/17/2022 5:34:21PM
		SW 9				
	]	E203100-12				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst	: RKS		Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst	Batch: 2212067		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		124 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: RAS		Batch: 2212066
Chloride	1660	200	10	03/17/22	03/17/22	-

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Souder Miller Associates - Carlsbad	Project Name:	Gra	vel Grinder				
201 S Halagueno St.	Project Number	er: 1902	26-0001			Reported:	
Carlsbad NM, 88220	Project Manag	ger: Lyn	n Acosta	3/17/2022 5:34:21PM			
		SW 10					
		E203100-13					
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064	
Benzene	ND	0.0250	1	03/17/22	03/17/22		
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22		
Toluene	ND	0.0250	1	03/17/22	03/17/22		
o-Xylene	ND	0.0250	1	03/17/22	03/17/22		
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22		
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22		
urrogate: 4-Bromochlorobenzene-PID		94.8 %	70-130	03/17/22	03/17/22		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2212064	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22		
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.2 %	70-130	03/17/22	03/17/22		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL			Batch: 2212067	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22		
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22		
urrogate: n-Nonane		126 %	50-200	03/17/22	03/17/22		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2212066	
Chloride	1600	100	5	03/17/22	03/17/22		

	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Mana	ber: 1902	vel Grinder 26-0001 n Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM		
		SW 11				
		E203100-14				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS	Batch: 2212064	
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
p-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		94.1 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.6 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		127 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2212066
Chloride	1470	100	5	03/17/22	03/17/22	



	5	ample D	ala			
Souder Miller Associates - Carlsbad	Project Name:	Gra	vel Grinder			
201 S Halagueno St.	Project Numb	er: 1902	26-0001			Reported:
Carlsbad NM, 88220	Project Manag	ger: Lyn	n Acosta	3/17/2022 5:34:21PM		
		SW 12				
		E203100-15				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS			Batch: 2212064
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
o,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		95.2 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	t: RKS		Batch: 2212064
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	t: JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Dil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		135 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	t: RAS		Batch: 2212066
Chloride	1450	200	10	03/17/22	03/17/22	



	S	ample D	ata			
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manag	ber: 1902	vel Grinder 26-0001 1 Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM		
		SW 13				
		E203100-16				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2212061
Benzene	ND	0.0250	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	03/17/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	03/17/22	03/17/22	
Surrogate: Toluene-d8		97.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2212061
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		94.2 %	70-130	03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	03/17/22	03/17/22	
Surrogate: Toluene-d8		97.5 %	70-130	03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/17/22	03/17/22	
Surrogate: n-Nonane		146 %	50-200	03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2212066
Chloride	1570	400	20	03/17/22	03/17/22	



Sample Data											
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 1 Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM							
		SW 14 E203100-17									
		Reporting									
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2212061				
Benzene	ND	0.0250	i	1	03/17/22	03/17/22					
Ethylbenzene	ND	0.0250	:	1	03/17/22	03/17/22					
Toluene	ND	0.0250	1	1	03/17/22	03/17/22					
o-Xylene	ND	0.0250	1	1	03/17/22	03/17/22					
p,m-Xylene	ND	0.0500	1	1	03/17/22	03/17/22					
Total Xylenes	ND	0.0250	:	1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.8 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2212061				
Gasoline Range Organics (C6-C10)	ND	20.0	i	1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.8 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	,		Batch: 2212067				
Diesel Range Organics (C10-C28)	ND	25.0		1	03/17/22	03/17/22					
Oil Range Organics (C28-C36)	ND	50.0	1	1	03/17/22	03/17/22					
Surrogate: n-Nonane		136 %	50-200		03/17/22	03/17/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R.	AS		Batch: 2212066				
Chloride	1350	100	4	5	03/17/22	03/17/22					



	S	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name Project Numb Project Manaş	ber: 1902	vel Grinder 26-0001 1 Acosta		<b>Reported:</b> 3/17/2022 5:34:21PM		
		SW 15					
		E203100-18					
Analyte	Result	Reporting Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2212061
Benzene	ND	0.0250	1	1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250	1	1	03/17/22	03/17/22	
Toluene	ND	0.0250	1	1	03/17/22	03/17/22	
o-Xylene	ND	0.0250	1	1	03/17/22	03/17/22	
p,m-Xylene	ND	0.0500	1	1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250	1	1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		03/17/22	03/17/22	
Surrogate: Toluene-d8		98.3 %	70-130		03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2212061
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		93.8 %	70-130		03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		03/17/22	03/17/22	
Surrogate: Toluene-d8		98.3 %	70-130		03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JI	_		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0	1	1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0	1	1	03/17/22	03/17/22	
Surrogate: n-Nonane		136 %	50-200		03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2212066
Chloride	1960	100	4	5	03/17/22	03/17/22	



	Sa	ample D	ata				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numbo Project Manag	er: 1902	vel Grinder 26-0001 n Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM			
		SW 16					
		E203100-19					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2212061
Benzene	ND	0.0250		1	03/17/22	03/17/22	
Ethylbenzene	ND	0.0250		1	03/17/22	03/17/22	
Toluene	ND	0.0250		1	03/17/22	03/17/22	
o-Xylene	ND	0.0250		1	03/17/22	03/17/22	
p,m-Xylene	ND	0.0500		1	03/17/22	03/17/22	
Total Xylenes	ND	0.0250		1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/17/22	03/17/22	
Surrogate: Toluene-d8		97.8 %	70-130		03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2212061
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/17/22	03/17/22	
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/17/22	03/17/22	
Surrogate: Toluene-d8		97.8 %	70-130		03/17/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2212067
Diesel Range Organics (C10-C28)	ND	25.0		1	03/17/22	03/17/22	
Oil Range Organics (C28-C36)	ND	50.0		1	03/17/22	03/17/22	
Surrogate: n-Nonane		137 %	50-200		03/17/22	03/17/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2212066
Chloride	1800	100		5	03/17/22	03/17/22	



Sample Data											
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 1 Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM							
		SW 17									
		E203100-20									
		Reporting									
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2212061				
Benzene	ND	0.0250		1	03/17/22	03/17/22					
Ethylbenzene	ND	0.0250		1	03/17/22	03/17/22					
Toluene	ND	0.0250		1	03/17/22	03/17/22					
o-Xylene	ND	0.0250		1	03/17/22	03/17/22					
p,m-Xylene	ND	0.0500		1	03/17/22	03/17/22					
Total Xylenes	ND	0.0250		1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.8 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2212061				
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.0 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.8 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	IL		Batch: 2212067				
Diesel Range Organics (C10-C28)	ND	25.0		1	03/17/22	03/17/22					
Dil Range Organics (C28-C36)	ND	50.0		1	03/17/22	03/17/22					
Surrogate: n-Nonane		113 %	50-200		03/17/22	03/17/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2212066				
Chloride	1620	100		5	03/17/22	03/17/22					



Sample Data											
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220	Project Name: Project Numb Project Manag	er: 1902	vel Grinder 26-0001 1 Acosta	<b>Reported:</b> 3/17/2022 5:34:21PM							
		E203100-21 Reporting									
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY	7		Batch: 2212061				
Benzene	ND	0.0250	i	1	03/17/22	03/17/22					
Ethylbenzene	ND	0.0250	:	1	03/17/22	03/17/22					
Toluene	ND	0.0250	1	1	03/17/22	03/17/22					
o-Xylene	ND	0.0250	1	1	03/17/22	03/17/22					
p,m-Xylene	ND	0.0500	1	1	03/17/22	03/17/22					
Total Xylenes	ND	0.0250	:	1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.3 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		98.5 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2212061				
Gasoline Range Organics (C6-C10)	ND	20.0	i	1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		95.3 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		98.5 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2212051				
Diesel Range Organics (C10-C28)	ND	25.0	:	1	03/17/22	03/17/22					
Oil Range Organics (C28-C36)	ND	50.0	1	1	03/17/22	03/17/22					
Surrogate: n-Nonane		105 %	50-200		03/17/22	03/17/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: R	AS		Batch: 2212065				
Chloride	1530	100	4	5	03/17/22	03/17/22					



Sample Data											
Souder Miller Associates - Carlsbad	Project Name	: Grav	el Grinde	r							
201 S Halagueno St.	Project Numb	er: 1902	26-0001		Reported:						
Carlsbad NM, 88220	Project Manag	ger: Lyni	n Acosta				3/17/2022 5:34:21PM				
		SW 19									
		E203100-22									
		Reporting									
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes				
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	IY		Batch: 2212061				
Benzene	ND	0.0250		1	03/17/22	03/17/22					
Ethylbenzene	ND	0.0250		1	03/17/22	03/17/22					
Toluene	ND	0.0250		1	03/17/22	03/17/22					
p-Xylene	ND	0.0250		1	03/17/22	03/17/22					
p,m-Xylene	ND	0.0500		1	03/17/22	03/17/22					
Total Xylenes	ND	0.0250		1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		96.9 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.0 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2212061				
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/17/22	03/17/22					
Surrogate: Bromofluorobenzene		96.9 %	70-130		03/17/22	03/17/22					
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		03/17/22	03/17/22					
Surrogate: Toluene-d8		99.0 %	70-130		03/17/22	03/17/22					
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2212051				
Diesel Range Organics (C10-C28)	ND	25.0		1	03/17/22	03/17/22					
Oil Range Organics (C28-C36)	ND	50.0		1	03/17/22	03/17/22					
Surrogate: n-Nonane		107 %	50-200		03/17/22	03/17/22					
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2212065				
Chloride	1190	100		5	03/17/22	03/17/22					



### QC Summary Data

		QC SI							
Souder Miller Associates - Carlsbad		Project Name:		avel Grinder					Reported:
201 S Halagueno St.		Project Number:	19	026-0001					
Carlsbad NM, 88220		Project Manager:	Ly	nn Acosta					3/17/2022 5:34:21PM
	V	olatile Organic	Compo	unds by EPA	<b>4 8260B</b>	}			Analyst: IY
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212061-BLK1)							Prepared: 0.	3/16/22 At	nalyzed: 03/17/22
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	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		<b>99</b> .7	70-130			
LCS (2212061-BS1)							Prepared: 03	3/16/22 A	nalyzed: 03/17/22
Benzene	2.68	0.0250	2.50		107	70-130			
Ethylbenzene	2.80	0.0250	2.50		112	70-130			
Toluene	2.82	0.0250	2.50		113	70-130			
p-Xylene	2.69	0.0250	2.50		108	70-130			
p,m-Xylene	5.38	0.0500	5.00		108	70-130			
Total Xylenes	8.07	0.0250	7.50		108	70-130			
Surrogate: Bromofluorobenzene	0.479		0.500		95.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
LCS Dup (2212061-BSD1)							Prepared: 0.	3/16/22 A	nalyzed: 03/17/22
Benzene	2.55	0.0250	2.50		102	70-130	4.99	23	
Ethylbenzene	2.64	0.0250	2.50		106	70-130	5.95	27	
Toluene	2.64	0.0250	2.50		105	70-130	6.73	24	
p-Xylene	2.53	0.0250	2.50		101	70-130	6.20	27	
p,m-Xylene	5.07	0.0500	5.00		101	70-130	5.83	27	
Total Xylenes	7.60	0.0250	7.50		101	70-130	5.95	27	
Surrogate: Bromofluorobenzene	0.484		0.500		96.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130			
Surrogate: Toluene-d8	0.514								



## **QC Summary Data**

		<b>X</b> <sup>2</sup> <sup>2</sup>		v						
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		ravel Grinder 026-0001					Reported:	
Carlsbad NM, 88220		Project Manager:	Ly	nn Acosta				3/17/2022 5:34:21PM		
		Volatile O	rganics b	oy EPA 8021	B				Analyst: RKS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2212064-BLK1)							Prepared: 0	3/16/22 A	Analyzed: 03/17/22	
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	7.72		8.00		96.5	70-130				
LCS (2212064-BS1)							Prepared: 0	3/16/22 A	Analyzed: 03/17/22	
Benzene	4.82	0.0250	5.00		96.5	70-130				
Ethylbenzene	5.13	0.0250	5.00		103	70-130				
Toluene	5.31	0.0250	5.00		106	70-130				
o-Xylene	5.10	0.0250	5.00		102	70-130				
p,m-Xylene	10.4	0.0500	10.0		104	70-130				
Total Xylenes	15.5	0.0250	15.0		103	70-130				
Surrogate: 4-Bromochlorobenzene-PID	7.78		8.00		97.3	70-130				
LCS Dup (2212064-BSD1)							Prepared: 0	3/16/22 A	Analyzed: 03/17/22	
Benzene	4.77	0.0250	5.00		95.4	70-130	1.09	20		
Ethylbenzene	5.11	0.0250	5.00		102	70-130	0.328	20		
Toluene	5.29	0.0250	5.00		106	70-130	0.422	20		
p-Xylene	5.08	0.0250	5.00		102	70-130	0.386	20		
p,m-Xylene	10.4	0.0500	10.0		104	70-130	0.228	20		
Total Xylenes	15.5	0.0250	15.0		103	70-130	0.280	20		
Surrogate: 4-Bromochlorobenzene-PID	7.75		8.00		96.8	70-130				



## **QC Summary Data**

				ary Data					
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	1	Gravel Grinder 9026-0001 Lynn Acosta					<b>Reported:</b> 3/17/2022 5:34:21PM
	No	onhalogenated O	rganics	by EPA 801	5D - G	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
			0.0						
Blank (2212061-BLK1)							Prepared: 0.	3/16/22 A	nalyzed: 03/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.460		0.500		91.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.520		0.500		104	70-130			
Surrogate: Toluene-d8	0.499		0.500		99.7	70-130			
LCS (2212061-BS2)							Prepared: 02	3/16/22 A	nalyzed: 03/17/22
Gasoline Range Organics (C6-C10)	58.7	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.466		0.500		93.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
LCS Dup (2212061-BSD2)							Prepared: 0	3/16/22 A	nalyzed: 03/17/22
Gasoline Range Organics (C6-C10)	59.2	20.0	50.0		118	70-130	0.765	20	
Surrogate: Bromofluorobenzene	0.469		0.500		93.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.515		0.500		103	70-130			



## **QC Summary Data**

			••••••		•				
Souder Miller Associates - Carlsbad		Project Name:	C	Gravel Grinder					Reported:
201 S Halagueno St.		Project Number	1	9026-0001					•
Carlsbad NM, 88220		Project Manager	:: I	Lynn Acosta					3/17/2022 5:34:21PM
	No	onhalogenated	Organics	by EPA 801	5D - G	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212064-BLK1)							Prepared: 0	3/16/22 A	analyzed: 03/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			
LCS (2212064-BS2)							Prepared: 0	3/16/22 A	analyzed: 03/17/22
Gasoline Range Organics (C6-C10)	47.9	20.0	50.0		95.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			
LCS Dup (2212064-BSD2)							Prepared: 0	3/16/22 A	analyzed: 03/17/22
Gasoline Range Organics (C6-C10)	48.0	20.0	50.0		95.9	70-130	0.232	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			



## **QC Summary Data**

		$\mathbf{x} \in \mathbf{v}$		ary Data	-				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	1	Gravel Grinder 19026-0001 Lynn Acosta					<b>Reported:</b> 3/17/2022 5:34:21PM
Calisbau NNI, 88220		Tibjeet Mallager.	1	Lyiiii Acosta					5/1//2022 5.54.211 WI
	Nonh	alogenated Org	anics by	y EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212051-BLK1)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.3		50.0		109	50-200			
LCS (2212051-BS1)							Prepared: 0	3/16/22 A	analyzed: 03/16/22
Diesel Range Organics (C10-C28)	507	25.0	500		101	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			
Matrix Spike (2212051-MS1)				Source: I	E <b>203078</b> -	08	Prepared: 0	3/16/22 A	analyzed: 03/16/22
Diesel Range Organics (C10-C28)	525	25.0	500	ND	105	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			
Matrix Spike Dup (2212051-MSD1)				Source: I	E <b>203078-</b>	08	Prepared: 0	3/16/22 A	analyzed: 03/16/22
Diesel Range Organics (C10-C28)	510	25.0	500	ND	102	38-132	2.78	20	
Surrogate: n-Nonane	56.8		50.0		114	50-200			



## **QC Summary Data**

		QU D		ary Data	•				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:	1	Gravel Grinder 9026-0001 Jynn Acosta					<b>Reported:</b> 3/17/2022 5:34:21PM
	Nonh	alogenated Org			- 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 (2212067-BLK1)							Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.8	50-200			
LCS (2212067-BS1)							Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Diesel Range Organics (C10-C28)	450	25.0	500		90.1	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			
Matrix Spike (2212067-MS1)				Source: I	E <b>203100-</b>	08	Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Diesel Range Organics (C10-C28)	457	25.0	500	ND	91.4	38-132			
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			
Matrix Spike Dup (2212067-MSD1)				Source: I	E <b>203100-</b>	08	Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Diesel Range Organics (C10-C28)	462	25.0	500	ND	92.3	38-132	1.06	20	
Surrogate: n-Nonane	43.6		50.0		87.2	50-200			



## **QC Summary Data**

		-		v					
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:
201 S Halagueno St.		Project Number:	1	9026-0001					
Carlsbad NM, 88220		Project Manager:	L	ynn Acosta					3/17/2022 5:34:21PM
		Anions l	oy EPA	300.0/9056A	A Contraction of the second se				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212065-BLK1)							Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Chloride	ND	20.0							
LCS (2212065-BS1)							Prepared: 0	3/17/22 A	Analyzed: 03/17/22
hloride	252	20.0	250		101	90-110			
LCS Dup (2212065-BSD1)							Prepared: 0	3/17/22 A	Analyzed: 03/17/22
Chloride	250	20.0	250		100	90-110	0.838	20	



## **QC Summary Data**

		<u> </u>		v					
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:
201 S Halagueno St.		Project Number:	19	9026-0001					
Carlsbad NM, 88220		Project Manager:	L	ynn Acosta					3/17/2022 5:34:21PM
		Anions	by EPA 3	300.0/9056A	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212066-BLK1)							Prepared: 0.	3/17/22 A	nalyzed: 03/17/22
Chloride	ND	20.0							
LCS (2212066-BS1)							Prepared: 03	3/17/22 A	nalyzed: 03/17/22
Chloride	250	20.0	250		100	90-110			
LCS Dup (2212066-BSD1)							Prepared: 03	3/17/22 A	nalyzed: 03/17/22
Chloride	250	20.0	250		100	90-110	0.0496	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.



Souder Miller Associates - Carlsbad Proj	ject Name: Gravel Grinder	
201 S Halagueno St. Proj	ject Number: 19026-0001	Reported:
Carlsbad NM, 88220 Proj	ject Manager: Lynn Acosta	03/17/22 17:34
Curisbud 100, 00220 110j	cor manager. Lynn Acosta	03/17/

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.



ject Information					<del></del>		<u></u>	2		AT		EPA Program			
ent: Marathon	Attention: SN/A Cadsk	rid	Lab V	10#	Lat	Use (	nly Nun	her	1D		RCRA	CWA SDWA			
pject: Gravel Grinder pject Manager:	Address:	00	PF	20	310	010	102.0	o-0001	X						
oject Manager:	City, State, Zip			1.00		An	alysisa	nd Metho	d			State			
dress: ty, State, Zip	Phone:											NM CO UT A			
one:	Email:		015	015								ТХ ОК			
nail:			by 8	hy 8	021	260	300.0		MZ	×					
eport due by:		Lab	/ORO	DRO	BTEX by 8021	VOC by 8260	Chloride 300.0		BGDOC - NM	BGDOC • TX					
Time Date Matrix Containers Sample ID		Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX	VOC by 8260	Chlo		BGD	BGDC		Remarks			
3/16/02 Soil	SG 38	/							1						
	SG 39	2						<u>   </u>	$\downarrow$						
	SG 40	3							11						
	SW I	4													
	SW 2	5													
	SW 3	6													
	SW 4	7													
	SW 5	8													
	SW 6	9													
	SW7	10													
Additional Instructions:															
(fie'd sampler), attest to the validity and authenticity of this sample. I am awa	e that tampering with or intentionally mislabelling the a	mple location, date or	£	1		5	mples req ceived par	uiring thermal priked in ice at an a	eservatio vg temp a	n must be above 0 ba	received on rice to of less than 6 10	the day they are sampled or on subsequent days			
time of collection is considered fraud and may be grounds for legal action. Sam Relinquished by: (Signature) Date Time		Date	<u>ь</u> Л	Time	55	52	leceiv	ed on ice	6	Lab L	Jse Only N				
Relifevished by: (Signature)	630 Received by: (Signature)	Date.	27	Time			1		Т2			<u>T3</u>			
Relinquished by: (Signature) Date Time	- Voor - Var	Date		Time	and the second se		AVG T	emp °C	4						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other		Contain	er Typ	e: g -	glass,	n - no	v/nlas	tic ag - an	her a	lass, 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 only to those samples received by the laboratory with this COC. The	other arrangements are made Hazardous sample	s will be returned to	client o	or dispo	sed of	at the cl	ent exp	ense. The rep	ort for	the ana	alivsis of the a	bove samples is applic			

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															24-				
ent: A	larath	on			1	Bill To	1					e On				AT		PA Progra	
oject: 4	aravel	Grinde	r		Atten	tion: SMA Carls	sad	Lab	WO#	- 10			lumb		1D		RCRA	CWA	SDW
pject N	lanager:				Addre			YE	20	310	D	190	26-	DOC/	X			Sta	ate
dress:						State, Zip			1				sis and	I		1	1		UT
y, Stat	e, Zip				Phone			2	5										
one:					Email			108	801				0.					TX OK	
nail: port d	io hv:							Vd O	vd O	802	8260	2010	300		- NN	XT			
Time	Date		No	Complet ID			Lab	DRO/OR0 by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - 1X		Ren	narks
ampled	Sampled	Matrix	Containers	Sample ID			Number	NG	GR	BTE	Ŋ	Me	CHI		BG	BGI			<u></u>
	3/14/22	Ceril		5	WE	5	11								4				
	1	1		6	WE	ĺ	12												
					SW		13												
				<	SW	ll	14												
2				5	SW	12	15												
				5	W	13	16												
				4	Ew	14	17												
					SW	LS	18												
				4	SW	16	19												
				<	SW	17	20												
	nalInstru			4	Ser	- 4- A 3/16/22		4											
(fie'd sam	pler), attest to	the validity and	authenticity c	of this sample. I am aware nds for legal action. Sample	that tamperin	ng with or intentionally mislabelling the s	anole location, date or	b				Sample	es requiren ed packed	g thermal p in ice at an	avg temp a	n must be Ibove 3 bu	t less than 6 °C	the day they are s on subsequent da	iys
	hed by: (Sig		Dat			Redei)ed to: (Signature)	Date 3-14	-22	Time	55	2	Rec	eived	on ice		Lab U	lse Only N		
Relinqui	hed by: (Si	anature		e-16-22 Time		Received by: (Signature)	- Date 3/17/	122	Time 8	:30	0	T1			<u>T2</u>			<u>T3</u>	
Relinqui	shed by: (Si	gnature)	Dai	te Time		Received by: (Signature)	Date		Tim	e		AV	G Ten	np °C_	4	_			
Competent and	Intriv: E Eni	Sd - Solid Se	z - Sludze, A -	- Aqueous, O - Other		I	Contain	er Typ	pe: g	- glass	s, p -	nolv/r	plastic	ag - a	mber g	lass, v	- VOA		
-	- las are die	esh 05 behace	s after result	s are reported unless of	her arrange	ments are made Hazardous sampl	es will be returned to	client	or disp	osed o	f at the	client	expens	e. There	port for	the ana	lysis of the a	bove sample	s is appli
on'y to th	nose samples	received by :	he laboratory	with this COC. The lia	bility of the	laboratory is limited to the amount	paid for on the repor	t.											

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							Only		and the second se	t-he		PA Program
ent: Marathon Dject: Gravel Grindur	Bill To Attention: SMA Carlsba Address:	1	Lab V	NO#			Only ob Nu	mber <b>6-000</b>		3D	RCRA	CWA SDV
oject Manager: dress: y, State, Zip one: nail: port due by:	City, State, Zip Phone: Email:		DRO/ORO by 8015	015		A	nalysis	and Me	thod WW Joyco	XT-S		State NM CO UT TX OK
Time Date Matrix Containers Sample ID		Lab Number	DRO/C	GRO/I	BTEX	VOC b	Metal			BGDOC - TX		Remarks
3/4/2 5011	SW 18 SW 19	21								_		
1 (	SW 19	22				_				-		
								-		+	+	
							-+					
			+									
								_				
Additional Instructions: ( (fie'd sampler), attest to the validity and authenticity of this sample. I am awa	e that tampering with or intentionarly mislabelling the same	le logation, date or	/				Samples :	equiring them	nal preserva	on must b	e received on ice	the day they are sampled :
, (fie'd sampler), attest to the validity and addienticity of the sampler), attest to the validity and addienticity of the sampler is considered fraud and may be grounds for legal action. Sam Relin(quished by: (Signature)) Date Time 3/16/32	led by:	Date 3-16		Time	- <del>1</del> 4	2	received	Jacked in ICE a	. an avg tem	Lab	Use Only	or subsequent days
Date Time		3-6 Date 3/17/	1-	inne	: 30		Rece	ived on	ice:		N	Т3
Relinquished by: (Signature) Date Time		- <u>S/I/I</u> Date	11	Time	-			Temp °	4	2		15
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. Hatardous samples w	Contain	er Typ	pe: g -	glass, osed of	n - n	oly/nla	astic ag	amber	glass, or the ar	v - VOA halvsis of the	above samples is app

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad Da	ate Received:	03/17/22 08:	:30	Work Order ID: E203100
Phone:	(575) 200-5443 Da	ate Logged In:	03/16/22 16:	21	Logged In By: Alexa Michaels
Email:		le Date:	03/17/22 17:	:00 (0 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	ourrier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled, no. containers and project
Sample	Cooler				manager not provided on coc
7. Was a	a sample cooler received?		Yes		
8. If yes	s, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling		Yes		
13. If no	o visible ice, record the temperature. Actual sample ter	nperature: 4°	С		
	Container	I · · · · —	_		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	he head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample containers	collected?	Yes		
Field La	abel				
20. Wer	e field sample labels filled out with the minimum inform	ation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		No	-	
	Preservation		No		
	s the COC or field labels indicate the samples were prese	erved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved meta	ıls?	No		
24. Is la	hase Sample Matrix				
			No		
Multiph	s the sample have more than one phase. i.e., multiphase?				
<u>Multiph</u> 26. Doe	s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	d?	NA		
<mark>Multiph</mark> 26. Doe 27. If ye	es, does the COC specify which phase(s) is to be analyze	d?	NA		
Multiph 26. Doe 27. If ye Subcon			NA No		

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



envirotech Inc.

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Dro	ioct	Info	rma	tior
Pro	lect	nno	1.10	uoi

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	1.1.4															24-	hou			
All and Al	and	ma c	MA 2	Interer		Bill To	11 1						e Onl				AT		PA Progra	
Client: P	Marathon-SMA 3/12/22CC Attention: SN/A Cadshac										Lab W0# Job Number PE203100 19026-000						3D	RCRA	CWA	SDWA
Project: C	Attention: SN/A Canshac Address: City State Zin										_ PE203100 19026-C							1		
Address:	Tanager.	the Charles of State			City, St	tate, Zip				an an an an an			Analys	is an	d Metho	d				ate
City Stat	e, Zip	er refere lite			Phone	:			and the same the			superior of							NM CO	UIAZ
Phone:	<u>e, zip</u>			in the second second	Email:		An of the second se		115	115						10%	Sec. 3			
Email:									N 8(	N BC	2	0	0	0.0		Σ			TX OK	
Report d	ue hy		No. States				an and a state of the state of the	and an	ROF	ROI	V RU	820	601	le 30		2	×1.		and the	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID				Lab Number	DIRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8023	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC-NM	BGDOC.		Rer	marks
Sampleo	1	0-1	Territoria		Gr	38		1								1				
	3/14/02	ari			SI	20		2								T				
	1				09	39							-			+				
					SG	40		3												
					SW	1		4												
					SW	2		5												
					SIA		6													
					Su	1 4		7												
			atterne atterne					8	-							11				
					50	U5				-		6					-		-	
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5796 U.S. Hwy 64 Farmington, NM 87401

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





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**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203101

Job Number: 19026-0001

Received: 3/17/2022

Revision: 2

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/22

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: 3/17/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203101 Date Received: 3/17/2022 8:30:00AM

Lynn Acosta,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2022 8:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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QC - Anions by EPA 300.0/9056A	6				
Definitions and Notes	7				
Chain of Custody etc.	8				
		Sample Sum	mary		0
-------------------------------------	---------------	------------------	----------------	----------	------------------
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Reported:
201 S Halagueno St.		Project Number:	19026-0001		Reporteu:
Carlsbad NM, 88220		Project Manager:	Lynn Acosta		03/17/22 17:30
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG - 1'	E203101-01A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.



	Samj	pie Dai	la			
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder			
201 S Halagueno St.	Project Number:	19026-	0001			Reported:
Carlsbad NM, 88220	3/17/2022 5:30:05PM					
	BC	G - 1'				
	E203	5101-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2212065
Chloride	1210	200	10	03/17/22	03/17/22	

### Sample Data

## **QC Summary Data**

		<u> </u>		v					
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		ravel Grinder 9026-0001					Reported:
Carlsbad NM, 88220		Project Manager:		ynn Acosta					3/17/2022 5:30:05PM
		Anions	by EPA 3	300.0/9056A	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212065-BLK1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22
Chloride	ND	20.0							
LCS (2212065-BS1)							Prepared: 02	3/17/22 A	nalyzed: 03/17/22
Chloride	252	20.0	250		101	90-110			
LCS Dup (2212065-BSD1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22
Chloride	250	20.0	250		100	90-110	0.838	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.



	2 eminious		
Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Lynn Acosta	03/17/22 17:30
	201 S Halagueno St.	Souder Miller Associates - CarlsbadProject Name:201 S Halagueno St.Project Number:	201 S Halagueno St.Project Number:19026-0001

ND Analyte NOT DETECTED at or above the reporting l	imit
---	------

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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ient: N	avash	Grine	der			Attention: SMA	Culsher		Lab	WO#			Job N	lum	ber		3D	RC	RA	CWA	SDW
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(fie'd sam	pler), attest to	the validity and	authenticity	of this sample. Lar	n aware ti	at tampering with or intentiona	ly mislabelling the sample lo	cation. date or	1	1			Sampl	es requi ed pack	ring thermal p ed in ice at an	avg tem	on must pabove 0	be received but less th	donice an 6 °C	the day, they are on subsequent d	sampled or ays
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Chain of Custody

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	(575) 200-5443				
Email: Chain of		Date Logged In:	03/16/22 1	6:26	Logged In By: Caitlin Christian
Chain of	lynn.acosta@soudermiller.com	Due Date:	03/17/22 1	17:00 (0 day TAT)	
	f Custody (COC)				
1. Does t	he sample ID match the COC?		Yes		
2. Does t	he number of samples per sampling site location mate	ch the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Carrier
4. Was th	e COC complete, i.e., signatures, dates/times, request	ted analyses?	No		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssio		Yes		Comments/Resolution
<u>Sample 7</u>	<u> Turn Around Time (TAT)</u>				
6. Did the	e COC indicate standard TAT, or Expedited TAT?		No		Time sampled, no containers and project
Sample (	<u>Cooler</u>				manager not provided on coc,
7. Was a	sample cooler received?		Yes		
	was cooler received in good condition?		Yes		
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	custody/security seals present?		Yes		
11. If yes	s, were custody/security seals intact?		No		
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling		No		
13. If no	visible ice, record the temperature. Actual sample	temperature: 4°	С		
	Container	· · · · · _			
	equeous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	head space less than 6-8 mm (pea sized or less)?		NA		
17. Was a	a trip blank (TB) included for VOC analyses?		NA		
18. Are n	non-VOC samples collected in the correct containers?		Yes		
19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes		
Field La	<u>bel</u>				
	field sample labels filled out with the minimum infor	rmation:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		No		
	Preservation		No		
-	the COC or field labels indicate the samples were pro-	eserved?	No		
	ample(s) correctly preserved?		NA		
	o filteration required and/or requested for dissolved m	etals?	No		
	ase Sample Matrix				
	the sample have more than one phase, i.e., multiphas	e?	No		
	s, does the COC specify which phase(s) is to be analy		NA		
•	ract Laboratory		. 12 1		
	amples required to get sent to a subcontract laborator	v?	No		
	a subcontract laboratory specified by the client and if	•	NA	Subcontract Lab	r na

Date



envirotech Inc.

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Project Information

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203102

Job Number: 19026-0001

Received: 3/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/22

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: 3/17/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203102 Date Received: 3/17/2022 8:30:00AM

Lynn Acosta,



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Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2022 8:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe Technical Representative/Client Services

Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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BG0	5
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v		Sample Sum	mary		0
Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:	Gravel Grinder 19026-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Lynn Acosta		03/17/22 17:03
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG0	E203102-01A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.



Sample Data												
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder									
201 S Halagueno St.	Project Number:	19026-	-0001			Reported:						
Carlsbad NM, 88220	3/17/2022 5:03:41PM											
	Η	BG0										
	E20.	3102-01										
		Reporting										
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes						
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2212065						
Chloride	425	40.0	2	03/17/22	03/17/22							

#### Sample Data



## **QC Summary Data**

		<u> </u>		v						
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:	
201 S Halagueno St.		Project Number:	19	9026-0001						
Carlsbad NM, 88220		Project Manager:	L	ynn Acosta					3/17/2022 5:03:41PM	
		Anions	by EPA 3	300.0/9056A	1			Analyst: RAS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2212065-BLK1)							Prepared: 0	3/17/22 Ai	nalyzed: 03/17/22	
Chloride	ND	20.0								
LCS (2212065-BS1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22	
Chloride	252	20.0	250		101	90-110				
LCS Dup (2212065-BSD1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22	
Chloride	250	20.0	250		100	90-110	0.838	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.



r Associates - Carlsbad	Project Name:	Gravel Grinder							
ieno St.	Project Number:	19026-0001	Reported:						
1, 88220	Project Manager:	Lynn Acosta	03/17/22 17:03						
1	r Associates - Carlsbad 1eno St. 1, 88220	eno St. Project Number:	eno St. Project Number: 19026-0001						

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.



oject Information		2			1.0				24-				
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Additional Instructions:													
	up that tampering with or intentionally mislabelling the sa hole k	cation. date of	1	/	1	Si	mples requir	ng thermal p	reservatio	n must be	e received on ice	the day they are s	sampled or
(field sampler), attest to the validity and authenticity of this sample. I am a	moled by:		In	1	-	1000	ceived packe	d in ice at an i	avg temp a	itove J bi	ut ess man el c	on subsequent da	575
time of collection is considered fraud and may be grounds for legal action. Sa	ne Received by (Signature)	Date P	)	Time	e f	201					Jse Only		
Religquished by (Signature) And Bate 3/116/22	1552	3-22	- 2	5	15.	52	leceive	d on ice	. 4	$\mathcal{P}_{I}$	N		
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Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Othe Note: Samples are discarded 30 days after results are reported unle	r	contail	n client	or diso	Biddo	at the cl	ent expen	se There	port for	the an	alvsis of the	above sample	s is appli
Note: Samples are discarded 30 days after results are reported unle only to those samples received by the laboratory with this COC. Th		r on the repo	rt.	or orop				2					

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

	Souder Miller Associates - Carlsbad D	ate Received:	03/17/22 08:30		Work Order ID: E203102
Phone:	(575) 200-5443 D	ate Logged In:	03/16/22 16:28		Logged In By: Caitlin Christian
Email:	lynn.acosta@soudermiller.com D	ue Date:	03/17/22 17:00	(0 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match	the COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	arrier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
Sample	<u>Turn Around Time (TAT)</u>				
6. Did th	he COC indicate standard TAT, or Expedited TAT?		Yes		Time Sampled, no containers and project
Sample	Cooler				manager provided on coc.
7. Was a	a sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was t	the sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re		Yes		
12 If no	minutes of sampling visible ice, record the temperature. Actual sample ter	nnoroturo: 1º	c		
		nperature. <u>4</u>	<u>c</u>		
-	<u>Container</u>		N		
	aqueous VOC samples present? VOC samples collected in VOA Vials?		No NA		
	he head space less than 6-8 mm (pea sized or less)?		NA		
16 Ic th	le nead space less than 0-8 min (pea sized of less):		14/1		
	a trin blank (TB) included for VOC analyses?		NΛ		
17. Was	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?		NA Ves		
17. Was 18. Are	non-VOC samples collected in the correct containers?	s collected?	Yes		
17. Was 18. Are 19. Is the	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers	s collected?			
17. Was 18. Are 19. Is the Field La	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel		Yes		
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17. Was 18. Are 19. Is the Field La 20. Were	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes		
17. Was 18. Are 19. Is the Field La 20. Were	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes Yes Yes		
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17. Was 18. Are 19. Is the Field La 20. Werd 20. Werd 21. Does 22. Are 24. Is lai Multiph 26. Does 27. If ye Subcom 28. Are	non-VOC samples collected in the correct containers? e appropriate volume/weight or number of sample containers abel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved? b filteration required and/or requested for dissolved meta <u>hase Sample Matrix</u> s the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyze	ation: erved? als? d?	Yes Yes No No No NA No		

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



envirotech Inc.

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					A - Aqueous, O - C		er arrang	ements are i	made Haz	ardous sample	es will be	returned to	o client	or disp	posed o	of at the	e client	t expen	se The	report	for the a	nal vsis of	the ab	ove samples is applic	sice
No	ry to th	ose sample	s received by	the laborate	bry with this COC.	The liab	lity of the	e laboratory	is limited to	o the amount	paid for	on the repo	rt.	-				-			-	Touroiteria.			
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Released to Imaging: 5/17/2022 2:31:14 PM





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**Practical Solutions for a Better Tomorrow** 

## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203103

Job Number: 19026-0001

Received: 3/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/22

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: 3/17/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203103 Date Received: 3/17/2022 8:30:00AM

Lynn Acosta,



Page 163 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2022 8:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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Definitions and Notes	7
Chain of Custody etc.	8

v		Sample Sum	mary		0		
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Reported:		
201 S Halagueno St.		Project Number:	19026-0001		-		
Carlsbad NM, 88220		Project Manager:	Lynn Acosta		03/17/22 17:05		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
BG - 3'	E203103-01A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.		



	Sam	ple Dat	ta								
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder								
201 S Halagueno St.	Project Number:	19026-	0001			Reported:					
Carlsbad NM, 88220	Project Manager:	Lynn A	costa			3/17/2022 5:05:01PM					
BG - 3'											
E203103-01											
		Reporting									
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes					
Anions by EPA 300.0/9056A	mg/kg	mg/kg	mg/kg Analyst: RAS			Batch: 2212065					
Chloride	2270	400	20	03/17/22	03/17/22						

### Sample Data

## **QC Summary Data**

		<u> </u>		v						
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:	
201 S Halagueno St.		Project Number:	19	9026-0001						
Carlsbad NM, 88220		Project Manager:	L	ynn Acosta					3/17/2022 5:05:01PM	
		Anions	by EPA 3	300.0/9056A	1			Analyst: RAS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2212065-BLK1)							Prepared: 0	3/17/22 Ai	nalyzed: 03/17/22	
Chloride	ND	20.0								
LCS (2212065-BS1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22	
Chloride	252	20.0	250		101	90-110				
LCS Dup (2212065-BSD1)							Prepared: 0	3/17/22 A	nalyzed: 03/17/22	
Chloride	250	20.0	250		100	90-110	0.838	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.



Miller Associates - Carlsbad	Project Name:	Gravel Grinder							
Halagueno St.	Project Number:	19026-0001	Reported:						
ad NM, 88220	Project Manager:	Lynn Acosta	03/17/22 17:05						
1	r Miller Associates - Carlsbad Halagueno St. vad NM, 88220	Halagueno St. Project Number:	Halagueno St. Project Number: 19026-0001						

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.



			Lab	Use C	John	TAT	F	PA Program	m
Marashon	Carlsbad Lat	b WO#			b Number	1D 30		CWA	SDWA
Gravel Grinder Attention: SN Address:	Cartsbag Lat	ビンク	3/03	10	90210-0001	×		-	47 - n
Manager: Address:		Cau	5102	An	alysis and Meth	od		Sta	
Phone:	N I			T	1 1 1			NM CO	UT A
ace, zip		0 S							
Email:		801			0			TX OK	
	0 Å	Va O	802	10105	0100	NN -			
due by:	Lab	GRO/DRO by 8015	Vd X	yu y	Chloride 300.0	BGDOC - NM		Rem	narks
Date Matrix Containers Sample ID	Number	GRC	BTEX by 8021		Chic				
3/16/22 Seil BG-3'	1					χ			
			+						
						++			
			<u> </u>				_		
			++	+		+++			
ional Instructions:									
ampler), attest to the validity and authenticity of this sample. I am aware that tampering with or inten	ly mislabelling the sample location, date or	7		Si ri	amples requiring thermal eceived packed in ice at an	avg temp above	O but less than 6	on subsequent da	an pico a ays
collection is considered fraud and may be grounds for legal action. Sampled by: uished by: (Signature) Date Time Received by				. 2	Received on in	Lat	o Use Only / N		
uished by: (Signature) Date Date J16/22 Time 1552 Time Received by Received	gnature) Date	Tin	ne		Received on ic			70	
Wysky	chiten 3/17/2 grature) Date	Tin	<b>5 . 3</b> (		T1	_ <u>12</u>		<u></u> <u>T3</u>	-
quished by: (Signature) Date ' lime Received b					AVG Temp °C_	4			
e Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container T	Type: g	- glass,	o - po	ly/plastic, ag - a	mber glass	s, v - VOA		e is ann
e Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other	Hazardous samples will be returned to clie ad to the amount paid for on the report.	ent or dis	posed of a	t the cl	ient expense. The r	eport for the	analysis or the	anove samples	s is abbi

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Received by OCD: 4/11/2022 11:21:17 AM

Page \_\_\_\_\_ of \_\_\_\_\_

#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

lient:	Souder Miller Associates - Carlsbad Da	te Received:	03/17/22 0	08:30	Work Order ID: E203103
Phone:	(575) 200-5443 Da	te Logged In:	03/16/22 1	6:33	Logged In By: Caitlin Christian
Email:		e Date:	03/17/22 1	7:00 (0 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match t	he COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Carrier
4. Was t	the COC complete, i.e., signatures, dates/times, requested	analyses?	No		
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comments/Resolution
<u>Sample</u>	<u>Turn Around Time (TAT)</u>				
6. Did tl	he COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled, no containers and project
Sample	Cooler				manager not provided on coc.
7. Was a	a sample cooler received?		Yes		
8. If yes	s, was cooler received in good condition?		Yes		
9. Was t	the sample(s) received intact, i.e., not broken?		Yes		
10. Wer	e custody/security seals present?		No		
11. If ye	es, were custody/security seals intact?		NA		
12. Was	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are rec minutes of sampling		Yes		
13. If no	o visible ice, record the temperature. Actual sample tem	perature: 4°	С		
	Container		<u> </u>		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	he head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
	e appropriate volume/weight or number of sample containers	collected?	Yes		
Field La	abel				
20. Wer	re field sample labels filled out with the minimum informa	ition:			
	Sample ID?		Yes		
	Date/Time Collected?		No		
	Collectors name?		No		
	Preservation	ruod?	No		
<u>Sample</u>	s the COC or field labels indicate the complex wave measure	veu?	No NA		
Sample 21. Doe	s the COC or field labels indicate the samples were present sample(s) correctly preserved?		1473		
<u>Sample</u> 21. Doe 22. Are	sample(s) correctly preserved?	s?	No		
Sample 21. Doe 22. Are 24. Is la	sample(s) correctly preserved? b filteration required and/or requested for dissolved metal	ls?	No		
Sample 21. Doe 22. Are 24. Is la Multipl	sample(s) correctly preserved? b filteration required and/or requested for dissolved metal hase Sample Matrix_	ls?			
Sample 21. Doe 22. Are 24. Is la Multiph 26. Doe	sample(s) correctly preserved? Ib filteration required and/or requested for dissolved metal hase Sample Matrix is the sample have more than one phase, i.e., multiphase?		No		
Sample 21. Doe 22. Are 24. Is la Multipl 26. Doe 27. If ye	sample(s) correctly preserved? b filteration required and/or requested for dissolved metal hase Sample Matrix_ as the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed				
Sample 21. Doe 22. Are 24. Is la Multiph 26. Doe 27. If ye Subcon	sample(s) correctly preserved? b filteration required and/or requested for dissolved metal hase Sample Matrix_ tes the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed tract Laboratory_		No NA		
Sample           21. Doe           22. Are           24. Is la           Multipl           26. Doe           27. If yet           Subcon           28. Are	sample(s) correctly preserved? b filteration required and/or requested for dissolved metal hase Sample Matrix_ as the sample have more than one phase, i.e., multiphase? es, does the COC specify which phase(s) is to be analyzed	?	No	Subcontract Lab	

Date



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Time	Time Date Nº Sample ID										Lab	0110/OR0 by 8015	GRO/DRO IN 8015	BTEX by 8021	VOC by 8260	tals	Metals 6010	Chloride 300.0		BGDOC-NM	BGDOC -		R	emarks	
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	nal Instru								dahalling@ha cor	Albioratic	A date of	-				Sampi	les requir:	ng thermal	preservati	on must b	e received on	ice the day they	are sampled or	-	
fie'd san	pler), attest to	the validity and	d authenticity	of this sample. I a unds for legal action	n aware t	iov:	B wire or its	1	s X	14	1	t				recen	ed packed	in ice at an	avg temp	above 3 b	ut less than 6	°C on subsequer	nt days		
Contraction of the second second	shed by: (Sig			2/16/22	Time	52	Received	by: Isignat	(re)	ľ	Date 3 - Ke	-27	Time		57	Re	reive	d on ic	e: (		Jse Onl N	y			
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							<u> </u>				Contain	er Tv	De: p	- glas	s. p -	nolul	plactic	np°C_	mher	glass,	V-VOA				
	and the second se	1-1-20 4-	an aftar raci	- Aqueous, O - (	inless of	ner arrange	ements are	made Haza	rdous samples	will be re	sturned to	client	or disp	oosed o	f at th	e clien	t expen	se. Ther	eport fo	r the an	alvsis of :!	ne above sam	ples is applica	asle	
Note: Sa	hose samples	received by	the laborato	ry with this COC.	The liab	ility of the	laborstory	, is limited to	the amount pa	aid for on	the repo	rt.	_	-											
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Phone: (505) 632-1881 Envirotech-inc.com





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## **Analytical Report**

## Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203105

Job Number: 19026-0001

Received: 3/17/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/17/22

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: 3/17/22

Lynn Acosta 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203105 Date Received: 3/17/2022 8:30:00AM

Lynn Acosta,



Page 173 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/17/2022 8:30:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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BG - 2'	5
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QC - Anions by EPA 300.0/9056A	6
Definitions and Notes	7
Chain of Custody etc.	8

v		Sample Sum	mary		0
Souder Miller Associates - Carlsbad		Project Name:		Reported:	
201 S Halagueno St.		Project Number:	19026-0001		Toportui
Carlsbad NM, 88220		Project Manager:	Lynn Acosta		03/17/22 17:07
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG - 2'	E203105-01A	Soil	03/16/22	03/17/22	Glass Jar, 4 oz.



	Sam	pie Da	la					
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder					
201 S Halagueno St.	Project Number:	Project Number: 19026-0001						
Carlsbad NM, 88220	3/17/2022 5:07:05PM							
	BC	G - 2'						
	E203	3105-01						
		Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	RAS		Batch: 2212065		
Chloride	2350	400	20	03/17/22	03/17/22			

### Sample Data



#### **QC Summary Data**

		<b>X</b> U N	<b>WIIII</b>		•				
Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager:		Gravel Grinder 19026-0001 Lynn Acosta				:	<b>Reported:</b> 3/17/2022 5:07:05PM
		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
Blank (2212065-BLK1)							Prepared: 0	3/17/22 Ar	nalyzed: 03/17/22
Chloride	ND	20.0							
LCS (2212065-BS1)							Prepared: 0	3/17/22 Ar	nalyzed: 03/17/22
Chloride	252	20.0	250		101	90-110			
LCS Dup (2212065-BSD1)							Prepared: 0	3/17/22 Ar	nalyzed: 03/17/22
Chloride	250	20.0	250		100	90-110	0.838	20	
		2010							

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.



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Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Lynn Acosta	03/17/22 17:07

ND	Analyte NOT DETECTED at or above the reporting limit
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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 I	nformation						Chain	of Custo	dy														Page	of(
Project: Project M Address		l Gr	inder			Add	ention: SMA Carls	ad		Lab Eo	wo!	#	5	Use Only Job Nun 1902 (o Analysis a		-00	DI	1D K	2D	TA 3D		ndard	EPA F CWA	Program SDWA RCRA
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Sampled	Date Sampled	Matrix	No. of Containers	Sample II				Lab Numb	1.1	DRO/ORO	GRO/D	BTEX b	VOC by 8260	Metals 6010	Chlorid								Remarks	A
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Additiona	al Instruction	s:n'	lunn	Anos	ta. K	Jah	ley Maxwell, Me	180	n	in					-			1						
I, (field samp	ler), attest to the	validity and a			e. I am awar r legal action		ampering with or intentionally mislabelling Sampled by:	the sample	loca	tion,	Ч		S	amples	requiri	ig therma	l prese	rvation	must b	e receiv	ved on ice	the day the equent days	y are sample	d or received
			Date		Time 11:24	at the second se	Received by: (Signature)	Date 3/17	1		Time	20	-	2.5	11	1		Lab	Use			equent days.	-	
			Date	1122	Time		Received by: (Signature)	Date	12		8:	30			1	on ice:		ØI	N					
Relinguishe	d by: (Signature	)	Date		Time		Received by: (Signature)	Date	1	1	lime					1	<u>T2</u>	2			<u>T3</u>	and a start of the		
Sample Matri	x: <b>S</b> - Soil, <b>Sd</b> - Sol	id, <b>Sg</b> - Sludg	e, A - Aqueo	us, <b>O</b> - Other				Contain	er Tv	vpe:	g - gla	ass, p	nol	Inla	tio a	°C	per gl	-	V - VC	0.0		Provide State	A many the	Store and
Note: Samp samples is a	les are discarde pplicable only t	d 30 days at o those sam	fter results oples receiv	are reporte ed by the la	d unless ot aboratory w	her ar vith thi	rangements are made. Hazardous sar s COC. The liability of the laboratory is	nnles will I	no ro	turn	ad to r	cliont (	or dice	and		he clier	nt exp	ense	. The	repor	t for th	e analysis	of the ab	ove
													C			91	n	V	'i	r	0	t	e	ch

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Released to Imaging: 5/17/2022 2:31:14 PM

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#### **Envirotech Analytical Laboratory**

Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad Dat	te Received:	03/17/22 08	:30	Work Order ID: E203105
Phone:	(575) 200-5443 Dat	te Logged In:	03/17/22 07	:49	Logged In By: Caitlin Christian
Email:	lynn.acosta@soudermiller.com Due	Due Date:	03/17/22 17	:00 (0 day TAT)	
Chain o	of Custody (COC)				
1. Does	the sample ID match the COC?		Yes		
2. Does	the number of samples per sampling site location match the	he COC	Yes		
3. Were	samples dropped off by client or carrier?		Yes	Carrier: C	Carrier
4. Was t	he COC complete, i.e., signatures, dates/times, requested	analyses?	No	_	
5. Were	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	field,	Yes		Comments/Resolution
Sample	Turn Around Time (TAT)				
	he COC indicate standard TAT, or Expedited TAT?		Yes		Time sampled, no containers and project
	<u>Cooler</u>				manager not provided on coc.
	a sample cooler received?		Yes		
8. If yes	, was cooler received in good condition?		Yes		
9. Was t	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
	es, were custody/security seals intact?		NA		
12. Was 1	the sample received on ice? If yes, the recorded temp is 4°C, i.e., Note: Thermal preservation is not required, if samples are reco minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample tem	perature: 4°	Ċ		
	Container	r · · · · · ·	-		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
18. Are	non-VOC samples collected in the correct containers?		Yes		
19. Is the	e appropriate volume/weight or number of sample containers of	collected?	Yes		
Field La	<u>abel</u>				
	e field sample labels filled out with the minimum informa	tion:			
	Sample ID?		Yes		
	Date/Time Collected? Collectors name?		No No		
	Preservation		No		
_	s the COC or field labels indicate the samples were preser	ved?	No		
	sample(s) correctly preserved?		NA		
	b filteration required and/or requested for dissolved metal	s?	No		
	nase Sample Matrix				
	s the sample have more than one phase, i.e., multiphase?		No		
	es, does the COC specify which phase(s) is to be analyzed	?	NA		
			1 12 1		
	tract Laboratory_ samples required to get sent to a subcontract laboratory?		No		
	a subcontract laboratory specified by the client and if so	who?		ubcontract Lab	
<i>س</i> ∕. ۲۲۵۵	a subsolution potential by the chefit and it so			uoconnact Lat	J. 11a

Date



envirotech Inc.

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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203119

Job Number: 19026-0001

Received: 3/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/22/22

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: 3/22/22

Melodie Sanjari 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203119 Date Received: 3/21/2022 7:40:00AM

Melodie Sanjari,



Page 182 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2022 7:40:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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BG2 - 0	5
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QC - Anions by EPA 300.0/9056A	6
Definitions and Notes	7
Chain of Custody etc.	8

#### *Received by OCD: 4/11/2022 11:21:17 AM*

v		Sample Sum	mary		6		
Souder Miller Associates - Carlsbad		Project Name:		Reported:			
201 S Halagueno St.		Project Number:	19026-0001		Reporteu.		
Carlsbad NM, 88220		Project Manager:	Melodie Sanjari		03/22/22 15:56		
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container		
BG2 - 0	E203119-01A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.		



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	Samj	pie Da	la						
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder						
201 S Halagueno St.	Project Number:	19026-	0001			Reported:			
Carlsbad NM, 88220	3/22/2022 3:56:24PM								
BG2 - 0									
	E203	119-01							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2213005			
Chloride	1750	200	10	03/21/22	03/21/22				

### Samula Data



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#### *Received by OCD: 4/11/2022 11:21:17 AM*

## **QC Summary Data**

		-		e						
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:	
201 S Halagueno St.		Project Number:	1	9026-0001						
Carlsbad NM, 88220		Project Manager:	Ν	Ielodie Sanjari				3/22/2022 3:56:24PM		
		Anions	by EPA	300.0/9056A	۱.				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2213005-BLK1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
Chloride	ND	20.0								
LCS (2213005-BS1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
hloride	252	20.0	250		101	90-110				
LCS Dup (2213005-BSD1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
Chloride	255	20.0	250		102	90-110	1.22	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.



Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Melodie Sanjari	03/22/22 15:56

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.



Re Project	Information
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Page \_\_\_\_\_ of \_\_\_

Project In	formatior	n					Chain	of Custody												Ρ	age _	_of _/
Client:	Ma	rathon	KEN	A		, Bi	ll To	1		alder.	La	ab Us	se On	ly	E.			TA	т	NAC.	EPA P	rogram
Project:	Go	avel G	ruder			$ttention: SMA^{Bi}$	Carlsha	nd	Lab	WO#	‡		Job	Numbe		1D	2D	3D	Stand	ard	CWA	SDWA
Project N	Aanager:		Mel		A	ddress:		12/11/2	Eá	203	110	1	190	26-0	1000	X						
Address:						ity, State, Zip	and the second						Analy	sis and	Metho	d						RCRA
City, Stat	e, Zip				ATT A REAL PROPERTY AND	hone:															Ľ	1 I
Phone:					<u>E</u>	mail:			015	015		1.1									State	
Email:									by 8	by 8(	21	09	g	0.00		Σ				л со	UT AZ	TX
Report d	ue by:							Transfer the	ORO	ORO	oy 80	y 82	601	de 3(		L Z	-TX		X			
Time Sampled	Date Sampled	Matrix	No. of Container	, Sample IC	)			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX				Remarks	
	718/22	Suil	1		BG	2-0		1						X								
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5																						
Addition	al Instruc	tions:	1											<b>I</b>				LL				
						that tampering with or inten		the sample loc	ation,	)				s requiring in ice at ar							ney are sampl	ed or receive
			Dat		s for legal action Time	Received by: (Signate	uro) (	Date		Time								e Onl	and the second second			
by	ed by: (Sign	hil	Dat	3/18/22		In	Ad-	3.18.2 Date,	2		540	)	Rece	eived o	n ice:	Q	) N		,			
Vy	ed by: (Signa	de	3	3.20.22	1205		tote	3/21/20	2	7:	40	l.	T1			<u>T2</u>			<u>_ T3</u>		1	
Relinguish	ed by: (Signa	ature)	Dat	e	Time	Received by: (Signatu	ire)	Date		Time			AVG	Temp	°c 🖌	4						
Sample Mat	rix: <b>S</b> - Soil, <b>S</b> o	d - Solid, Sg -	Sludge, A -	Aqueous, <b>O</b> - C	ther	in the second second		Container	Туре	e:g-g	glass,						ss, v -	VOA				and the second se
			3			other arrangements are m with this COC. The liabilit									the clie	ent exp	ense.	The re	port for	the ana	ysis of the	above
															2 1	21		î p	0	4		cł
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							Page	e 8 of 9														

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/21/22	07:40	Work Order ID: E203119
Phone:	(575) 200-5443	Date Logged In:	03/21/22	07:48	Logged In By: Caitlin Christian
Email:		Due Date:	03/21/22	17:00 (0 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location ma	tch the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	arrier
4. Was th	ne COC complete, i.e., signatures, dates/times, reque	sted analyses?	No	_	
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted i i.e, 15 minute hold time, are not included in this disucss		Yes		Comments/Resolution
Sample '	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Sampled time not provided on the coc.
Sample	<u>Cooler</u>				
7. Was a	sample cooler received?		Yes		
8. If yes,	was cooler received in good condition?		Yes		
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was t	he sample received on ice? If yes, the recorded temp is 4°C Note: Thermal preservation is not required, if samples a minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample	e temperature: <u>4°</u>	<u>C</u>		
Sample	Container	• <u> </u>			
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA		
17. Was	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers	?	Yes		
19. Is the	appropriate volume/weight or number of sample conta	ners collected?	Yes		
Field La	ibel				
20. Were	e field sample labels filled out with the minimum inf	ormation:			
	Sample ID?		Yes		
	Date/Time Collected?		No	L	
	Collectors name?		No		
	Preservation s the COC or field labels indicate the samples were p	reserved?	No		
	sample(s) correctly preserved?	16361 VEU !	No NA		
	o filteration required and/or requested for dissolved i	netals?	NA		
		nouis;	INU		
	ase Sample Matrix				
	s the sample have more than one phase, i.e., multiple $a_{i}$ does the COC specify which $p_{i}$ has $a_{i}$ is to be applied		No		
-	s, does the COC specify which phase(s) is to be anal	yzeu?	NA		
<b>a</b> .	ract Laboratory				
28. Are s	samples required to get sent to a subcontract laborate a subcontract laboratory specified by the client and	•	No NA		

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



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





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**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203120

Job Number: 19026-0001

Received: 3/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/22/22

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: 3/22/22

Melodie Sanjari 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203120 Date Received: 3/21/2022 7:40:00AM

Melodie Sanjari,



Page 191 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2022 7:40:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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#### *Received by OCD: 4/11/2022 11:21:17 AM*

v		Sample Sum	mary		
Souder Miller Associates - Carlsbad 201 S Halagueno St.	Project Name: Project Numbe		Gravel Grinder 19026-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Melodie Sanjari		03/22/22 15:57
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG2 - 1'	E203120-01A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.



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	Samj	pie Da	เล						
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder						
201 S Halagueno St.	Project Number:	19026	-0001			Reported:			
Carlsbad NM, 88220	3/22/2022 3:57:45PM								
BG2 - 1'									
	E203	6120-01							
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2213005			
Chloride	3310	400	20	03/21/22	03/21/22				

### Sample Data



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#### *Received by OCD: 4/11/2022 11:21:17 AM*

## **QC Summary Data**

		-		e					
Souder Miller Associates - Carlsbad		Project Name:	C	Fravel Grinder					Reported:
201 S Halagueno St.		Project Number:	1	9026-0001					
Carlsbad NM, 88220		Project Manager:	Ν					3/22/2022 3:57:45PM	
		Anions	by EPA	300.0/9056A	A Contraction of the second se				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2213005-BLK1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
Chloride	ND	20.0							
LCS (2213005-BS1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
hloride	252	20.0	250		101	90-110			
LCS Dup (2213005-BSD1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
Chloride	255	20.0	250		102	90-110	1.22	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.



Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Melodie Sanjari	03/22/22 15:57

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 Informa	tion
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	<u>/</u> of

roject Inf	ormation	n					Chain	of Custody												P	'age (	of/
lient:	Marc	Ines ,	SMF	<b>}</b>			Bill To	1		and an	La	ab Us	se On	ly				TA	Т		EPA P	rogram
roject:	Civu		innice	$\checkmark$	the second se		SNA Carlsha	nd	Lab	WO#	ta a			Numb		1D	2D	3D	Stand	dard	CWA	SDWA
	lanager:	Me				ddress:		a nel j	Ea	103	Sla	0			-0001							The Friedday And
ddress:					23229465583	ty, State, Zip			-		-	_	Analy	sis an	d Metho	od '	_	r				RCRA
<u>City, State</u> Phone:	e, ZIP					none:															Ctoto	
mail:					E	mail:			801	8015				。					NIN		State	
Report du	le by:								O by	O by	8021	3260	010	300.		WN	×		X			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID			1.1	Lab Number	DRO/ORO by 8015	GRO/DRO by	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - TX				Remarks	
	21.1	.1			21	21		INUMBER				>	2	V	_	8						
	1422	Soul			BG	12-1'								X				-				
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	al Instruc	tions						1														
aution	ai instruc	lions:																				
(field samp	ler), attest to	o the validity a	and authenti	city of this sam	ple. I am aware	that tampering wit	h or intentionally mislabelling	g the sample loo	ation,													ed or received
			fraud and n	nay be grounds	for legal action.		ampled by:						packed	in ice at	an avg tem	p above	0 but le	ss than 6	°C on subse	equent day	/5.	
	d by (Sign	ature	Date	liela	Time	Received by:	(Signature)	Date	2 7	Time	E.	~						e Onl	y			
LANG	11	14	Date	18/22	/540 Time		- John	3.18.2	20		540		Rece	eived	on ice:	Ø	) / N					
elinquishe	d by: (Sign	ature)		.20.22	1805	Received by:	(Signature)	Date 3/21/	17	2:	40	)	T1			тэ			тэ			
elinguishe	d by: (Sign	ature)	Date		Time	Received by:	(Signature)	Date	00	Time	10		11			<u>T2</u>			<u>T3</u>		Talan I.	
.0		•						100					AVG	Tem	»°c_4							
ample Matr	ix: <b>S</b> - Soil, <b>S</b>	d - Solid, Sg -	Sludge. A - A	Aqueous, <b>O</b> - O	Lther			Container		e:g-e	glass.						ss, v -	VOA				
						ther arrangemer	nts are made. Hazardous												port for	the ana	lysis of the	above
							e liability of the laborato					for o	n the r	eport.			_					
												1	5				-				-	cł
													2		21		V		O		e	GI
							Pad	e 8 of 9									-					-

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad	Date Received:	03/21/22 0	7:40	Work Order ID: E203120
Phone:	(575) 200-5443	Date Logged In:	03/21/22 0	7:49	Logged In By: Caitlin Christian
Email:	I	Due Date:	03/21/22 1	7:00 (0 day TAT)	
Chain o	f Custody (COC)				
1. Does 1	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	h the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Carrier
4. Was tł	he COC complete, i.e., signatures, dates/times, requeste	ed analyses?	No	_	
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in t i.e, 15 minute hold time, are not included in this disucssion		Yes		Comments/Resolution
Sample '	Turn Around Time (TAT)				
	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample time not provided on the coc.
Sample (	<u>Cooler</u>				
7. Was a	sample cooler received?		Yes		
8. If yes,	, was cooler received in good condition?		Yes		
9. Was tł	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
	s, were custody/security seals intact?		NA		
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i. Note: Thermal preservation is not required, if samples are r minutes of sampling		Yes		
13. If no	visible ice, record the temperature. Actual sample to	emperature: 4°	С		
	Container		<u> </u>		
-	aqueous VOC samples present?				
	aqueous voe sumpres present.		No		
15. Are V	VOC samples collected in VOA Vials?		No NA		
	VOC samples collected in VOA Vials? e head space less than 6-8 mm (pea sized or less)?				
16. Is the	e head space less than 6-8 mm (pea sized or less)?		NA		
16. Is the 17. Was :	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA		
16. Is the 17. Was : 18. Are r	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	rs collected?	NA NA NA		
16. Is the 17. Was 18. Are r 19. Is the	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe	rs collected?	NA NA NA Yes		
<ol> <li>16. Is the</li> <li>17. Was =</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe sbel		NA NA NA Yes		
<ol> <li>16. Is the</li> <li>17. Was =</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> </ol>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe		NA NA NA Yes		
<ul> <li>16. Is the</li> <li>17. Was a</li> <li>18. Are r</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>S</li> <li>I</li> </ul>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		NA NA Yes Yes No		
16. Is the 17. Was : 18. Are r 19. Is the Field La 20. Were S I C	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? a appropriate volume/weight or number of sample containe <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		NA NA Yes Yes		
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? a appropriate volume/weight or number of sample containe <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b>	nation:	NA NA Yes Yes No No		
16. Is the 17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S I C Sample 21. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? a ppropriate volume/weight or number of sample containent <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were pre-	nation:	NA NA Yes Yes No No		
16. Is the 17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S I C Sample 21. Does 22. Are s	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containent the less field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved?	nation: served?	NA NA Yes Yes No No No		
16. Is the 17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S <b>Sample</b> 21. Does 22. Are s 24. Is lab	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? o filteration required and/or requested for dissolved me	nation: served?	NA NA Yes Yes No No		
16. Is the 17. Was : 18. Are r 19. Is the <b>Field La</b> 20. Were S I C <b>Sample</b> 21. Does 22. Are s 24. Is lab <b>Multiph</b>	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation s the COC or field labels indicate the samples were pre- sample(s) correctly preserved? o filteration required and/or requested for dissolved me nase Sample Matrix	nation: served? tals?	NA NA Yes Yes No No No NA No		
16. Is the 17. Was a 18. Are r 19. Is the Field La 20. Were S I C Sample 21. Does 22. Are s 24. Is lab Multiph 26. Does	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> a the COC or field labels indicate the samples were pre- sample(s) correctly preserved? to filteration required and/or requested for dissolved me tase Sample Matrix is the sample have more than one phase, i.e., multiphase	nation: served? tals? ?	NA NA Yes Yes No No No NA No		
16. Is the 17. Was : 18. Are r 19. Is the <b>Field La</b> 20. Were S I C Sample 1 21. Does 22. Are s 24. Is lab Multiph 26. Does 27. If yes	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were pre- sample(s) correctly preserved? to filteration required and/or requested for dissolved me mase Sample Matrix is the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz	nation: served? tals? ?	NA NA Yes Yes No No No NA No		
16. Is the 17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S I C <b>Sample</b> 21. Does 22. Are s 24. Is lab <b>Multiph</b> 26. Does 27. If yes	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were pre- sample(s) correctly preserved? the filteration required and/or requested for dissolved me tase Sample Matrix is the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz tract Laboratory.	nation: served? tals? :? ed?	NA NA Yes Yes No No No No No No		
16. Is the 17. Was a 18. Are r 19. Is the <b>Field La</b> 20. Were S I C Sample 1 21. Does 22. Are s 24. Is lab <u>Multiph</u> 26. Does 27. If yes Subcont 28. Are s	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containe thel e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? Preservation a the COC or field labels indicate the samples were pre- sample(s) correctly preserved? to filteration required and/or requested for dissolved me mase Sample Matrix is the sample have more than one phase, i.e., multiphase s, does the COC specify which phase(s) is to be analyz	nation: served? tals? ed? ?	NA NA Yes Yes No No NA No NA No	Subcontract Lab	

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



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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203121

Job Number: 19026-0001

Received: 3/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/22/22

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: 3/22/22

Melodie Sanjari 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203121 Date Received: 3/21/2022 7:40:00AM

Melodie Sanjari,



Page 200 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2022 7:40:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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BG2 - 3'	5
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QC - Anions by EPA 300.0/9056A	6
Definitions and Notes	7
Chain of Custody etc.	8

#### *Received by OCD: 4/11/2022 11:21:17 AM*

*		Sample Sum	mary		0
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Reported:
201 S Halagueno St.		Project Number:	19026-0001		Reporteu:
Carlsbad NM, 88220		Project Manager:	Melodie Sanjari		03/22/22 15:59
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG2 - 3'	E203121-01A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.



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	Samj	pie Da	เล						
Souder Miller Associates - Carlsbad	Project Name:	Gravel	Grinder						
201 S Halagueno St.	Project Number:	19026-	0001			Reported:			
Carlsbad NM, 88220	Project Manager:	Melod	ie Sanjari			3/22/2022 3:59:39PM			
	BG	2 - 3'							
E203121-01									
		Reporting							
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2213005			
Chloride	2480	200	10	03/21/22	03/21/22				

### Sample Data





.

#### *Received by OCD: 4/11/2022 11:21:17 AM*

## **QC Summary Data**

		-		·						
Souder Miller Associates - Carlsbad		Project Name:	C	Gravel Grinder					Reported:	
201 S Halagueno St.		Project Number:	1	9026-0001						
Carlsbad NM, 88220		Project Manager:	Ν	Ielodie Sanjari	ri			3/22/2022 3:59:39PM		
		Anions	by EPA	300.0/9056A	۸				Analyst: KL	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2213005-BLK1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
Chloride	ND	20.0								
LCS (2213005-BS1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
hloride	252	20.0	250		101	90-110				
LCS Dup (2213005-BSD1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22	
Chloride	255	20.0	250		102	90-110	1.22	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.



Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Melodie Sanjari	03/22/22 15:59

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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6	Project Information
ea	
5	

lient:     MarMun     Anno       roject:     Gradues:     Attention:     SMA-CudsM       Address:     City, State, Zip     Attention:     SMA-CudsM       hone:     Phone:     Phone:     Ibol Number       mail:     eport due by:     Troopid Agency     Attention:     Sampled       Matrix     Mooof     Containers     Sample ID     Lab       Wid/272     So'i)     Ibol Number     Ibol Number       Mill 702     So'i)     Ibol Number     Ibol Number       Matrix     Mooof     Sample ID     Lab     Ibol Number       Mill 712     So'i)     Ibol Number     Ibol Number       Matrix     Mooof     Sample ID     Lab     Ibol Number       Matrix     Mooof     Sample ID     Ibol Number     Ibol Number       Ibol Number     Ibol Number     Ibol Number     Ibol Number       Ibol Number     Ibol Number     Ibol Number     Ibol N	
Analysis and Metrix     Analysis and Metrix       Time     Date       ampled     Sampled       3// /     X	ethod RCR
ty, State, Zip       Phone:         none:	State NM_CO_UT_AZ_TX
Email:         Email:         Stor of Ad ON OCA         Stor of Ad ON O	
mail:	
	NM     CO     U1     AZ     IX       VO     VO     VO     VO     VO     AZ     IX       VO     VO     VO     VO     VO     AZ     IX       VO     VO     VO     VO     VO     AZ     IX       VO     VO     VO     VO     VO     AZ       VO     VO     VO     VO     VO     AZ       VO     VO     VO     VO     VO     VO       VO     VO     VO     VO     VO     VO <td< td=""></td<>
	-     -
	Org       Org       Org       Remarks         Image: Image
#1/4/22     50.1     1     B/G 2 - 3'     1     K	
ditional Instructions:	
et sumper, attent et the start of the start	rmal preservation must be received on ice the day they are sampled or receing temp above 0 but less than 6 $^{\circ}$ C on subsequent days.
e of time of collection is considered hadd and may be grounds for regar action.	
linguished by: (Signature) Date Time Received by: (Signature) Date Time 3/18/22 1540 Received on in	Lab Use Only ce:  (V) N
inquished by: (Signature) Date Time Received by: (Signature) Date Time	ce: (Y) N
3.20.22 1205 auten Chiter 3/2/22 7:40 T1	Т2 Т3
inquished by: (Signature) Date Time Received by: (Signature) Date Time	<u> </u>
AVG Temp °C	4
nple Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - a	
te: 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	
	nvirotec

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

Client:	Souder Miller Associates - Carlsbad Da	ate Received:	03/21/22 0	7:40	Work Order ID: E203121
Phone:	(575) 200-5443 Da	ate Logged In:	03/21/22 0	7:51	Logged In By: Caitlin Christian
Email:		ue Date:	03/21/22 1	7:00 (0 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	Sarrier
4. Was th	he COC complete, i.e., signatures, dates/times, requested	l analyses?	No		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		<b>Comments/Resolution</b>
Sample 7	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample time not provided on the coc.
Sample (	<u>Cooler</u>				
7. Was a	sample cooler received?		Yes		
8. If yes,	, was cooler received in good condition?		Yes		
9. Was th	he sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
11. If yes	s, were custody/security seals intact?		NA		
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e. Note: Thermal preservation is not required, if samples are re minutes of sampling	·	Yes		
13. If no	visible ice, record the temperature. Actual sample ter	nperature: 4°	С		
	Container	<u> </u>	-		
	aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
	e head space less than 6-8 mm (pea sized or less)?		NA		
	a trip blank (TB) included for VOC analyses?		NA		
	non-VOC samples collected in the correct containers?		Yes		
18. Are n	non-VOC samples collected in the correct containers? appropriate volume/weight or number of sample containers	collected?	Yes Yes		
18. Are n 19. Is the	appropriate volume/weight or number of sample containers	s collected?			
18. Are n 19. Is the Field La	appropriate volume/weight or number of sample containers				
<ol> <li>18. Are n</li> <li>19. Is the</li> <li><u>Field La</u></li> <li>20. Were</li> </ol>	appropriate volume/weight or number of sample containers				
18. Are n 19. Is the Field La 20. Were S	appropriate volume/weight or number of sample containers <b>ubel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected?		Yes Yes No		
18. Are n 19. Is the Field La 20. Were S C	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name?		Yes		
18. Are n 19. Is the Field La 20. Were S C Sample I	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u>	ation:	Yes Yes No No		
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese	ation:	Yes Yes No No		
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <u>Preservation</u> s the COC or field labels indicate the samples were prese sample(s) correctly preserved?	ation: erved?	Yes Yes No No No		
18. Are n 19. Is the Field La 20. Were S C Sample J 21. Does 22. Are s 24. Is lab	appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> as the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta	ation: erved?	Yes Yes No No		
18. Are n 19. Is the Field La 20. Were S C Sample I 21. Does 22. Are s 24. Is lab Multipha	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were presesses sample(s) correctly preserved? o filteration required and/or requested for dissolved meta <b>lase Sample Matrix</b>	ation: erved? ıls?	Yes No No No NA No		
<ul> <li>18. Are n</li> <li>19. Is the</li> <li>Field La</li> <li>20. Were</li> <li>S</li> <li>C</li> <li>Sample I</li> <li>21. Does</li> <li>22. Are s</li> <li>24. Is lab</li> <li>Multipha</li> <li>26. Does</li> </ul>	appropriate volume/weight or number of sample containers <b>abel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were prese sample(s) correctly preserved? to filteration required and/or requested for dissolved meta <b>tase Sample Matrix</b> is the sample have more than one phase, i.e., multiphase?	ation: prved? als?	Yes No No No NA No		
18. Are n 19. Is the Field La 20. Were S C Sample I 21. Does 22. Are s 24. Is lab Multiph: 26. Does 27. If yes	e appropriate volume/weight or number of sample containers <b>bel</b> e field sample labels filled out with the minimum inform Sample ID? Date/Time Collected? Collectors name? <b>Preservation</b> is the COC or field labels indicate the samples were prese sample(s) correctly preserved? o filteration required and/or requested for dissolved meta <b>tase Sample Matrix</b> is the sample have more than one phase, i.e., multiphase? s, does the COC specify which phase(s) is to be analyzed	ation: prved? als?	Yes No No No NA No		
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Signature of client authorizing changes to the COC or sample disposition.



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5796 U.S. Hwy 64 Farmington, NM 87401

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





# envirotech

**Practical Solutions for a Better Tomorrow** 

# **Analytical Report**

# Souder Miller Associates - Carlsbad

Project Name:

Gravel Grinder

Work Order: E203122

Job Number: 19026-0001

Received: 3/21/2022

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/22/22

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: 3/22/22

Melodie Sanjari 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Gravel Grinder Workorder: E203122 Date Received: 3/21/2022 7:40:00AM

Melodie Sanjari,



Page 209 of 223

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/21/2022 7:40:00AM, under the Project Name: Gravel Grinder.

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

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

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

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

Respectfully,

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

Field Offices:

Southern New Mexico Area Lynn Jarboe

Technical Representative/Client Services Office: 505-421-LABS(5227) Cell: 505-320-4759 ljarboe@envirotech-inc.com

Raina Schwanz Laboratory Administrator Office: 505-632-1881 rainaschwanz@envirotech-inc.com Alexa Michaels Sample Custody Officer Office: 505-632-1881 labadmin@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

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BG2 - 2'	5
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QC - Anions by EPA 300.0/9056A	6
Definitions and Notes	7
Chain of Custody etc.	8

#### *Received by OCD: 4/11/2022 11:21:17 AM*

*		Sample Sum	mary		0
Souder Miller Associates - Carlsbad		Project Name:	Gravel Grinder		Depented
201 S Halagueno St.		Project Number:	19026-0001		Reported:
Carlsbad NM, 88220		Project Manager:	Melodie Sanjari		03/22/22 16:01
Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG2 - 2'	E203122-01A	Soil	03/18/22	03/21/22	Glass Jar, 4 oz.



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	Samj	pie Da	la l			
Souder Miller Associates - Carlsbad	Project Name:	Grave	Grinder			
201 S Halagueno St.	Project Number:	19026	-0001			Reported:
Carlsbad NM, 88220	Project Manager:	Melod	ie Sanjari			3/22/2022 4:01:49PM
	BG	2 - 2'				
	E203	122-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst	: KL		Batch: 2213005
Chloride	1900	400	20	03/21/22	03/21/22	

### Sample Data

.

#### *Received by OCD: 4/11/2022 11:21:17 AM*

## **QC Summary Data**

		-		v					
Souder Miller Associates - Carlsbad		Project Name:	G	ravel Grinder					Reported:
201 S Halagueno St.		Project Number:	19	9026-0001					
Carlsbad NM, 88220		Project Manager:	Μ	lelodie Sanjari					3/22/2022 4:01:49PM
		Anions	by EPA 3	300.0/9056A	A Contraction of the second se				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2213005-BLK1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
Chloride	ND	20.0							
LCS (2213005-BS1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
hloride	252	20.0	250		101	90-110			
LCS Dup (2213005-BSD1)							Prepared: 0	3/21/22 A	nalyzed: 03/21/22
Chloride	255	20.0	250		102	90-110	1.22	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.



Souder Miller Associates - Carlsbad	Project Name:	Gravel Grinder	
201 S Halagueno St.	Project Number:	19026-0001	Reported:
Carlsbad NM, 88220	Project Manager:	Melodie Sanjari	03/22/22 16:01

- 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	n
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Marchan     Sill To       Grand     Grand       Manager:     Altention:       S:     City, State, Zip       Phone:     Phone:	[	Lab \	NO#	Part of the	100000000000000000000000000000000000000	e Only						N 5		
Manager:     Address:       S:     City, State, Zip							umber			2D	3D	Standard	CWA	rogram SDWA
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Email:	<u> </u>	3015	3015				_						State	
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due by:	Lab	ORO	DRO	by 8	oy 82	ls 60	ide 3		- J	C - TX				
Sampled Matrix Containers Sample ID Nu	umber	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC - NM	BGDOC - 1			Remarks	
3/5/2 Suil   BGZ-378 Just							X							
Last statu				-	-									
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nal Instructions:			-											
npler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the san	mple locat	tion,			s	amples	requiring th	iermal pr	eservat	on mus	t be rece	ived on ice the day I	hey are sampl	ed or receiv
ne of collection is considered fraud and may be grounds for legal action. <u>Sampled by:</u>					p	acked in	n ice at an a	vg temp	above 0	but less	s than 6 °	'C on subsequent da	ys.	
hed by: (Signature) Date Time Received by: (Signature) Date	e .1		Time								e Only	1		
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hed by: (Signature) Date Time Received by: (Signature) Date	e		Time			AVCT	emp °	. 4	ê -					
atrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Con	ntainer T	Type	· <b>σ</b> - σla	acc n			a second s		r glas	s v - '	VOA			
mples are discarded 30 days after results are reported unless other arrangements are made. Hazardous sample												port for the ana	lysis of the	above
is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is lim				paid fo	or on	the re	port.					ot		

#### **Envirotech Analytical Laboratory**

#### Sample Receipt Checklist (SRC)

	Souder Miller Associates - Carlsbad D	ate Received:	03/21/22	07:40	Work Order ID: E203122
Phone:	(575) 200-5443 D	ate Logged In:	03/21/22	07:53	Logged In By: Caitlin Christian
Email:		ue Date:	03/21/22	17:00 (0 day TAT)	
Chain of	f Custody (COC)				
1. Does t	the sample ID match the COC?		Yes		
2. Does t	the number of samples per sampling site location match	the COC	Yes		
3. Were s	samples dropped off by client or carrier?		Yes	Carrier: C	'arrier
4. Was th	he COC complete, i.e., signatures, dates/times, requester	d analyses?	No		
5. Were a	all samples received within holding time? Note: Analysis, such as pH which should be conducted in th i.e, 15 minute hold time, are not included in this disucssion.	e field,	Yes		Comments/Resolution
<u>Sample '</u>	<u>Turn Around Time (TAT)</u>				
6. Did th	e COC indicate standard TAT, or Expedited TAT?		Yes		Sample time not provided on coc
Sample (	<u>Cooler</u>				
7. Was a	sample cooler received?		Yes		
8. If yes,	was cooler received in good condition?		Yes		
9. Was th	ne sample(s) received intact, i.e., not broken?		Yes		
10. Were	e custody/security seals present?		No		
	s, were custody/security seals intact?		NA		
12. Was th	he sample received on ice? If yes, the recorded temp is 4°C, i.e Note: Thermal preservation is not required, if samples are re-	,	Yes		
13 If no	minutes of sampling visible ice, record the temperature. Actual sample te	mnerature: 4º	c		
		mperature. <u>+</u>	<u> </u>		
-	Container aqueous VOC samples present?		No		
	VOC samples collected in VOA Vials?		NA		
15.710	-		1 11 1		
16 Is the	e head space less than 6-8 mm (nea sized or less)?		NA		
	e head space less than 6-8 mm (pea sized or less)? a trip blank (TB) included for VOC analyses?		NA NA		
17. Was a	a trip blank (TB) included for VOC analyses?		NA		
17. Was a 18. Are n	a trip blank (TB) included for VOC analyses? non-VOC samples collected in the correct containers?	s collected?	NA Yes		
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Signature of client authorizing changes to the COC or sample disposition.



envirotech Inc.

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# APPENDIX E OCD CORRESPONDENCE

#### **Ashley Maxwell**

From:	Hensley, Chad, EMNRD <chad.hensley@state.nm.us></chad.hensley@state.nm.us>
Sent:	Friday, March 11, 2022 11:40 AM
То:	Ashley Maxwell; Sanjari, Melodie (MRO)
Cc:	Lynn Acosta; Lynn Acosta
Subject:	RE: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

Good afternoon, Ashley,

Request for confirmation composite samples to exceed 500 sq/ft is denied. The OCD will accept floor confirmation composite samples not exceeding 500sq/ft.

NOTE: The OCD requires a copy of all correspondence relative to remedial projects be included in all proposal and/or final closure reports. Correspondence required to be included in reports may include, but not necessarily limited to, extension requests, liner inspection notifications, sample event notifications, spill/release/fire notifications, and variance requests. This will allow for notifications and requests to become a documented part of the incident file.

Cheers,

Chad Hensley • Environmental Science & Specialist Environmental Bureau EMNRD - Oil Conservation Division 811 First St. | Artesia, NM 88210 Office: 575.748.1283 | Cell: 575-703-1723 chad.hensley@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Ashley Maxwell <ashley.maxwell@soudermiller.com>
Sent: Friday, March 11, 2022 11:06 AM
To: Hensley, Chad, EMNRD <Chad.Hensley@state.nm.us>; Sanjari, Melodie (MRO) <msanjari@marathonoil.com>; ocdonline, emnrd, EMNRD <EMNRD.OCDOnline@state.nm.us>
Cc: Lynn Acosta <lynn.acosta@soudermiller.com>; Lynn Acosta <lynn93acosta@gmail.com>
Subject: Re: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

All,

Please advise on the variance request in the below email regarding sampling. The prevolus two weeks we have submitted a request for a determination.

SMA will be on site Monday, March 14, 2022 to begin excavation oversight. We anticipate to begin sample collection Tuesday, March 15, 2022 at 11:15am. Please consider this your 48-hour notification.

Thanks, Ashley Maxwell

Sent via the Samsung Galaxy S10, an AT&T 5G Evolution capable smartphone Get <u>Outlook for Android</u>

From: Ashley Maxwell
Sent: Monday, March 7, 2022 10:41:37 AM
To: Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>; Sanjari, Melodie (MRO) <<u>msanjari@marathonoil.com</u>>; ocdonline, emnrd, EMNRD <<u>EMNRD.OCDOnline@state.nm.us</u>>
Cc: Lynn Acosta <<u>lynn.acosta@soudermiller.com</u>>; Lynn Acosta <<u>lynn93acosta@gmail.com</u>>
Subject: RE: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

Good Morning Chad,

I wanted to follow up to see if you have made a determination regarding the below variance request. We are moving forward with the planned dig and haul activities next week and would like to have everything finalized so that we can issue our 48-hour notification.

Thank you, Ashley



Ashley Maxwell Project Scientist

Direct/Mobile: 505.320.8975 Office: 505.325.7535

401 W. Broadway Farmington, New Mexico 87401

**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: Ashley Maxwell

Sent: Thursday, February 24, 2022 11:32 AM

To: Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>; Sanjari, Melodie (MRO) <<u>msanjari@marathonoil.com</u>>; ocdonline, emnrd, EMNRD <<u>EMNRD.OCDOnline@state.nm.us</u>>
Cc: Lynn Acosta <lynn.acosta@soudermiller.com>; Lynn Acosta <lynn93acosta@gmail.com>

Subject: RE: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

Good Afternoon,

SMA and Marathon wanted to follow up and provide you an update on the progress of the project. Marathon will begin dig and haul activities with SMA oversight the week of March 14, 2022. SMA will provide a 48-hour notification for the collection of closure samples.

Upon reviewing the sample map attached in your previous email, a total of 9 base samples and 3 sidewall samples were collected during the initial denied closure activities. SMA would like to increase the number of samples collected following the dig and haul activities that will be conducted the week of March 14<sup>th</sup>. SMA is requesting a variance of 19.15.29.12(D)(1)(c) NMAC for conducting closure sampling for the base of the excavation. As written, to sample every 200ft<sup>2</sup> would require Marathon to collect in excess of 100 samples. With closure criteria for TPH set to not exceed 100ppm, SMA is requesting a variance to collect 5-point composite samples of the base of the excavation every 1,000 square feet. Theoretically, we would be looking at 25, five-point composite closure samples collected throughout the initial area marked for deferral. This will greatly increase the number of samples collected without causing overburden.

Sidewall samples will continue to be collected every 200 square feet. SMA also recognizes the OCD request to collect two background samples to determine the levels of naturally elevated chlorides.

Please feel free to contact me with additional questions.



#### www.soudermiller.com

Ashley Maxwell Project Scientist

Direct/Mobile: 505.320.8975 Office: 505.325.7535

401 W. Broadway Farmington, New Mexico 87401

**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: Hensley, Chad, EMNRD <<u>Chad.Hensley@state.nm.us</u>>
Sent: Thursday, February 17, 2022 7:35 AM
To: Sanjari, Melodie (MRO) <<u>msanjari@marathonoil.com</u>>; ocdonline, emnrd, EMNRD
<<u>EMNRD.OCDOnline@state.nm.us</u>>
Cc: Lynn Acosta <<u>lynn.acosta@soudermiller.com</u>>; Lynn Acosta <<u>lynn93acosta@gmail.com</u>>; Ashley Maxwell
<<u>ashley.maxwell@soudermiller.com</u>>

Subject: RE: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

#### Melodie,

When providing the closure report please provide a BG-2 and BG-3 grab sample for just chlorides. I will go by those samples yes for chlorides.

As for closure criteria I am agreeing with the SMA statement:

SMA is proposing the following work plan to target hydrocarbon contamination: • The hydrocarbon impacted area will be excavated to meet the NMOCD Table I closure standards for a depth to ground water of less than 50 feet below grade surface (bgs). Excavation activities will include the use of heavy equipment, hydrovac equipment, and manual tools.

Please include this communication with map in your closure report.

Chad Hensley • Environmental Science & Specialist Environmental Bureau EMNRD - Oil Conservation Division 811 First St. | Artesia, NM 88210 Office: 575.748.1283 | Cell: 575-703-1723 chad.hensley@state.nm.us http://www.emnrd.state.nm.us/OCD/



From: Sanjari, Melodie (MRO) <<u>msanjari@marathonoil.com</u>>
Sent: Wednesday, February 16, 2022 4:35 PM
To: ocdonline, emnrd, EMNRD <<u>EMNRD.OCDOnline@state.nm.us</u>>; Hensley, Chad, EMNRD
<<u>Chad.Hensley@state.nm.us</u>>
Cc: Lynn Acosta <<u>lynn.acosta@soudermiller.com</u>>; Lynn Acosta <<u>lynn93acosta@gmail.com</u>>; Ashley Maxwell
<<u>ashley.maxwell@soudermiller.com</u>>
Subject: RE: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

Mr. Hensley,

Thank you sir for your response on this release. Just wanting to get clarification on the request for adjusted closure criteria for Chlorides based on naturally occurring background levels.

Looking forward to hearing from you

#### Melodie Sanjari

Environmental Professional Permian & Oklahoma 575-988-8753



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, February 16, 2022 3:35 PM
To: Sanjari, Melodie (MRO) <<u>msanjari@marathonoil.com</u>>
Subject: [External] The Oil Conservation Division (OCD) has approved the application, Application ID: 69637

#### Beware of links/attachments.

To whom it may concern (c/o Melodie Sanjari for MARATHON OIL PERMIAN LLC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2035543036, with the following conditions:

- The OCD approves the closure criteria of depth to groundwater of less than 50 feet below grade surface (bgs).
- .Closure report due by 4/16/2022

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you, Chad Hensley Environmental Science & Specialist 575-703-1723 <u>Chad.Hensley@state.nm.us</u>

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

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

Operator:	OGRID:
MARATHON OIL PERMIAN LLC	372098
990 Town & Country Blvd.	Action Number:
Houston, TX 77024	97293
Γ	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	5/17/2022