

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

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

Deferral Approval  
granted - 06/13/2022.

### Responsible Party

Responsible Party: <b>Enduring Resources</b>	OGRID: <b>372286</b>
Contact Name: <b>Chad Snell</b>	Contact Telephone: <b>(505) 444-0586</b>
Contact email: <b>csnell@enduringresources.com</b>	Incident # (assigned by OCD): <b>NRM2027940748</b>
Contact mailing address: <b>200 Energy Court</b>	<b>Farmington, New Mexico 87401</b>

### Location of Release Source

Latitude 36.274579 Longitude -107.694821  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: <b>MC 5 COM 112H</b>	Site Type: <b>Wellsite</b>
Date Release Discovered: <b>9/28/2020</b>	API# (if applicable) <b>30-045-35605</b>

Unit Letter	Section	Township	Range	County
<b>D</b>	<b>33</b>	<b>24N</b>	<b>8W</b>	<b>San Juan</b>

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): <b>9</b>	Volume Recovered (bbls): <b>0</b>
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

#### Cause of Release:

On 9/28/2020, an underground line leak was discovered at the MC 5 COM 112H wellsite. A corrosion hole formed in a "T" on the water dump line from the separator, and 9 bbls of water was released into the soil below the liner near the above ground water tank. The line was isolated and the leak was stopped. Cleanup activities outside containment have been completed.

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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 consider this a major release?

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

### Initial Response

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

- ☐ 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: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>124</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_



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## Remediation Plan

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

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

**Deferral Requests Only:** *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Chad SnellTitle: HSE TechSignature: Date: 12-22-20email: csnell@enduringresources.comTelephone: (505)444-0586**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral ApprovedSignature: Nelson VelezDate: 06/13/2022

The impacted area under production equipment containment has been fully delineated and shows full extent of the area Enduring is requesting for deferral of remediation of chloride impacted soil in the top four feet of soil to the plugging and abandoning of the well location.

**MC 5 Com 112H Narrative****9/28/2020**

An underground line leak was discovered at the MC 5 Com 112H wellsite when an Enduring operator noticed wet soil outside of the secondary containment wall. The operator pressure tested the water dump line from the production separator to the water tank and the pressure test confirmed there was a leak in the line. The line was isolated and locked out stopping the leak. 9 bbls of produced water was released from a corrosion hole that was formed in the water dump line.

**9/30/2020**

Clean up activities began using a hydro-vac truck to remove contaminated soil. 80 bbls of contaminated soil was removed creating A 5' x 4' by 4' in depth hole around the source of the leak. A 20' x 3' x 1' in depth hole outside of the containment wall, a 12' by 7' by 1' deep area next to the tank and a 5' by 2' by 1' deep area next to the VRU.

**10/1/2020**

Samples were collected in the excavated areas to determine the severity of impacted soil. Five samples were collected inside of the excavation hole around the source of the spill and two in the area excavated to the depth of 1 foot.

**10/2/2020**

Analytical report was received and based on chloride impacted soil that a major shut down and deconstruction of the facility would have to take place to remediate chlorides below the standards for the top four feet of soil. All samples returned results were below Table 1 standards for ground water being over 100ft (For Chlorides). Ground water depth was determined by a test hole drilled at the Chaco 2408 32P 114H (30-045-35441) in 2012, See attached "*Drill Log*" for reference. One sample collected (Tank Wall) returned results above standards for TPH and will need to be further excavated along with the area outside of the containment wall, see attached "*Sample Results Table*" and "*Sample Map*" for reference.

**10/12/2020**

Further excavation continued removing impacted soil outside of the containment wall and also on the "Tank Wall". Two feet of impacted soil was removed extending the excavation to 5' long, 6' wide and 4' deep. The area outside of the containment was extended to a 25' x 5' x 4' deep.

**10/13/2020**

Six soil borings were completed to delineate the site inside of the containment area (SB 1-6). Two samples were collected from each soil boring, one at 0-6" and the other at 4 feet. An additional sample was collected from the "Tank Wall" and four samples were collected on the excavation outside of the containment, see attached "Sample Map" and "Boring Map" for reference.

**10/16/2020**

Analytical report was received for the samples taken outside of the containment wall and the tank wall. Returned results determined further excavation was needed to remove chlorides above standards in the top four feet (>600mg/kg). The "Tank Wall" sample that was collected returned below Table 1 standards for TPH (<100mg/kg), see attached "Sample Results Table".

**10/20/2020**

Analytical report was received for soil borings 1-6. Soil Boring 1 at 4' and soil boring 4 at 0-6" returned results above Table 1 standards for chlorides in the top for feet (>600mg/kg) and needed be moved out further fully delineate the site. The rest of the soil boring samples collected returned results below chloride standards and need no further borings.

**11/2/2020**

Further excavation was completed on the impacted area outside of the containment wall extending the excavation to a 28' x 7' x 4' deep area. A notice via email was sent to Cory Smith of the NMOCD and Abiodun Adeloje of the BLM that closure samples for the area outside of the containment would take place on Wednesday November 4<sup>th</sup> 2020 beginning at 10:30am.

**11/4/2020**

Enduring personnel was on site to collect closure samples along with Abiodun Adeloje of the BLM to witness. Five samples were collected from the excavation and sent in for analysis. Two additional soil borings were taken as well. Soil boring 7 at 4' replacing the previously failed soil boring 1 at 4' and also soil boring 8 at 0-6" replacing the previous soil boring 4 at 0-6", see attached "Boring Map" and "Sample Map".

**11/6/2020**

Analytical report was received and the "O.C East Wall" returned above standards for chlorides in the top four feet (600mg/kg) and needs further excavation. Samples "O.C North Wall", "O.C Bottom", "O.C South Wall", returned results are below Table 1 standards and no further excavation is needed.

**11/9/2020**

Notice was sent via email that one of the previous samples taken returned results above standards (O.C East Wall) and would be resampled Wednesday November 11<sup>th</sup> and 10:00am. Further excavation was also completed extending the excavation outside of the containment to 28' x 11' x 4 feet deep.

**11/11/2020**

Enduring personnel was on-site to collect final closure sample. No agencies were onsite to witness sample. Sample was collect from the "O.C East Wall" and sent in for analysis.

**11/13/2020**

Analytical report was received and results returned below standards. The impacted area outside of the containment of the facility has been fully remediated with closure samples all below Table 1 standards in the top four feet of soil and also the bottom of the excavation below Table 1 standards for ground water greater than 100 feet. No further action is required for the area outside of the containment all closure criteria has been met. See attached "Sample Map" and "Sample Results Table".

The impacted area under production equipment containment has been fully delineated and shows full extent of the area Enduring is requesting for deferral of remediation of chloride impacted soil in the top four feet of soil to the plugging and abandoning of the well location. Attached is a scaled map of the area being deferred and also delineation points. No further action is required at this time.

**Chad Snell**

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**From:** Chad Snell  
**Sent:** Monday, November 09, 2020 9:19 AM  
**To:** 'Smith, Cory, EMNRD'; 'aadeloye@blm.gov'  
**Cc:** Heather Huntington; Tim Friesenhahn  
**Subject:** RE: MC 5 Com 112H Closure Sampling

All,

One of the samples collected at the MC 5 Com 112H (East Wall) were elevated for Chlorides, above the 600ppm requirements in the top 4 feet of soil. Additional excavation is being completed and closure sampling will occur on Wednesday November 11<sup>th</sup> 2020 at 10:00am Please let me know if you have any questions.

Thanks

**From:** Chad Snell  
**Sent:** Monday, November 02, 2020 9:55 AM  
**To:** 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>; 'aadeloye@blm.gov' <aadeloye@blm.gov>  
**Cc:** Heather Huntington <Hhuntington@enduringresources.com>; Tim Friesenhahn <TFriesenhahn@enduringresources.com>  
**Subject:** MC 5 Com 112H Closure Sampling

All,

Please accept this email as the required notice of sampling activities to occur at the MC 5 COM 112H (API: 30-045-35605, Sec: 33, TWN: 24N RGE: 8W, Tracking #NRM2027940748). Sampling activities will occur on Wednesday November 4<sup>th</sup> 2020 at 10:30am. Please let me know if you have any questions. Thanks.

Chad Snell  
HSE Tech  
Enduring Resources  
(505) 444-0586.



Enduring Resources, LLC  
Spill Closure Report  
MC 5 Com 112H  
30-045-35605

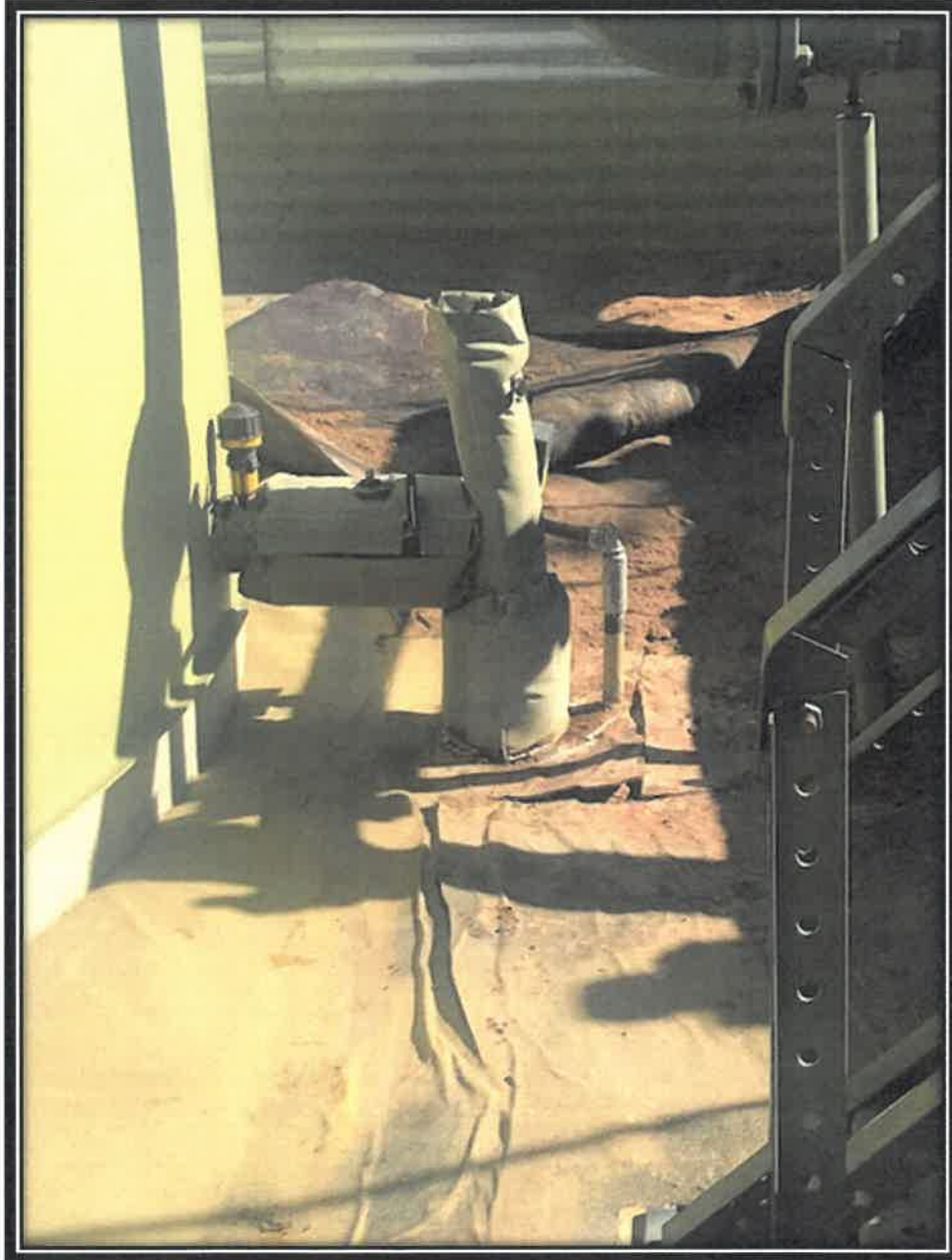


Photo: Release Point





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MC 5 Com 112H  
30-045-35605

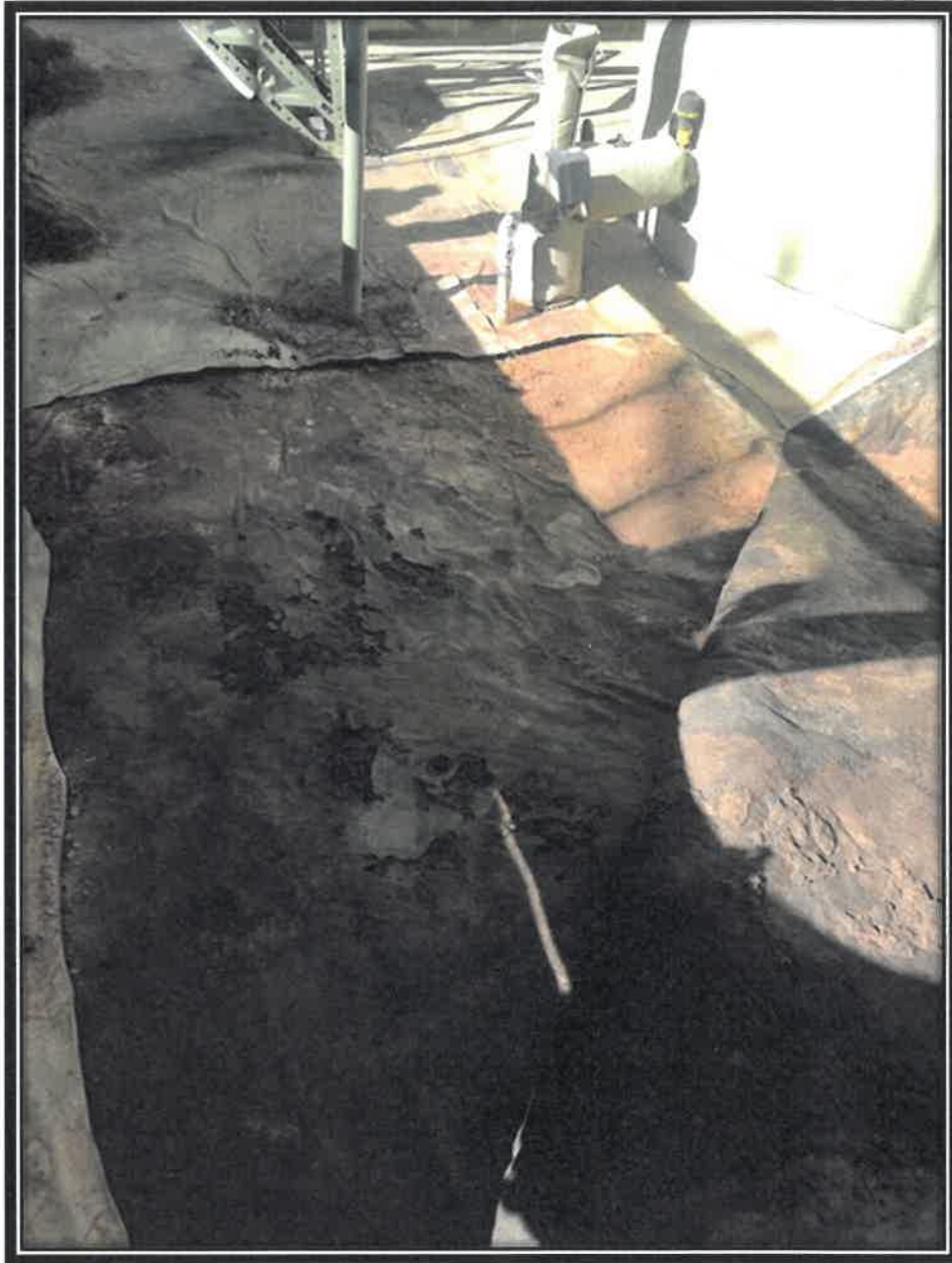


Photo: Impacted area



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Photo: Impacted Area



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Photo: Impacted Area





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Photo: Cause of Release



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30-045-35605

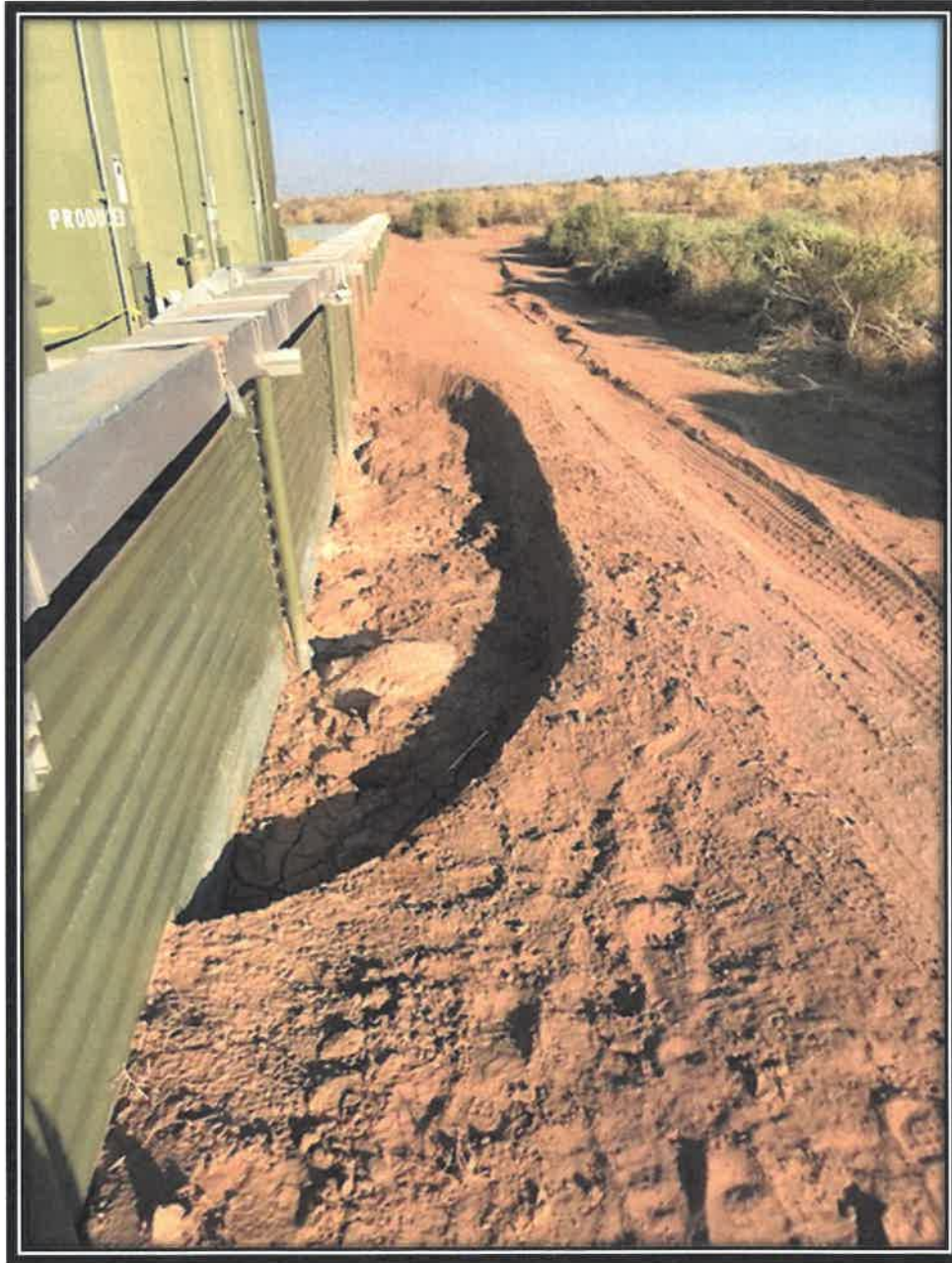


Photo: After hydrovac, Samples taken 10/1/2020





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Spill Closure Report  
MC 5 Com 112H  
30-045-35605

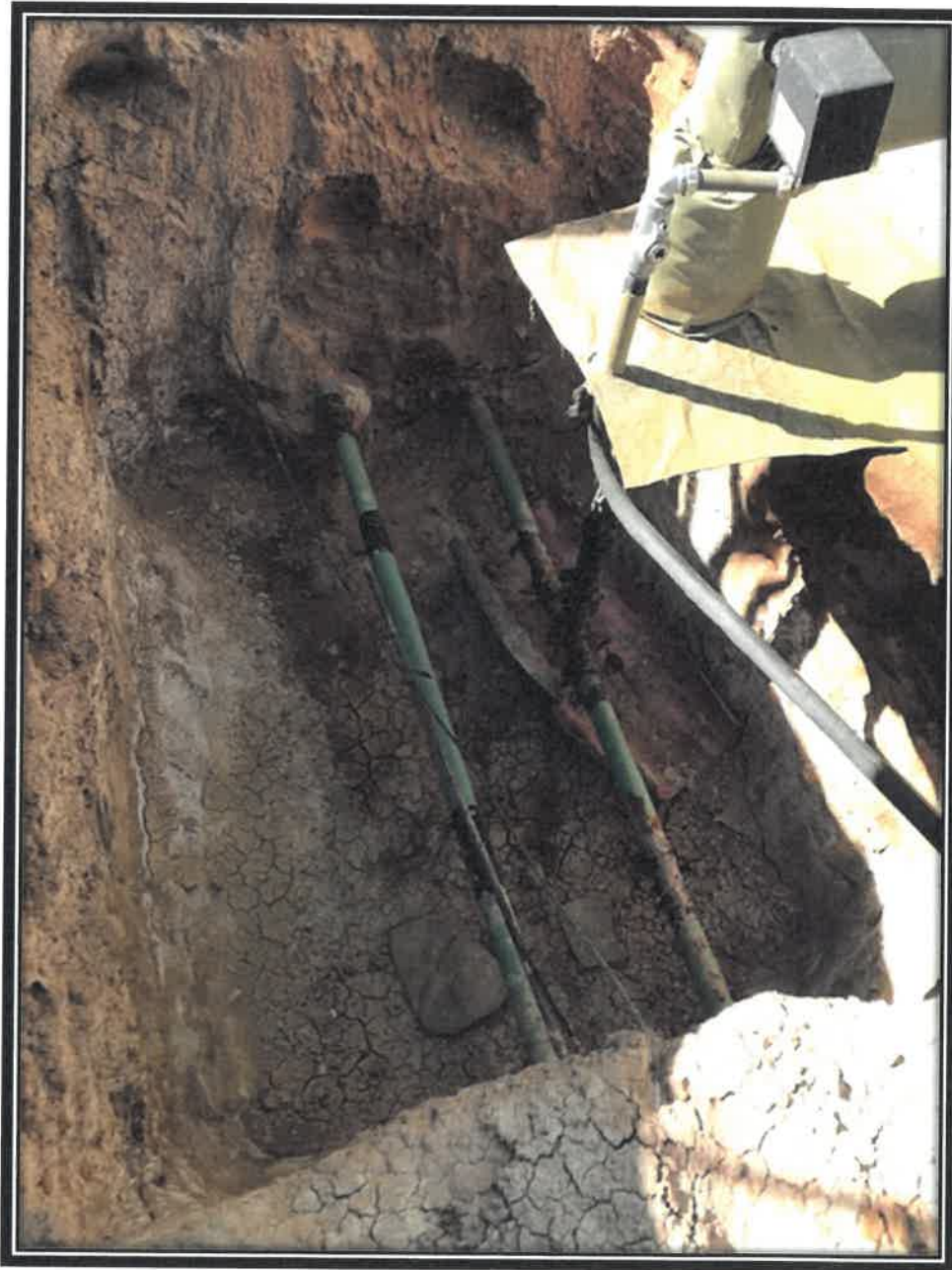


Photo: After hydrovac, Samples taken 10/1/2020





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MC 5 Com 112H  
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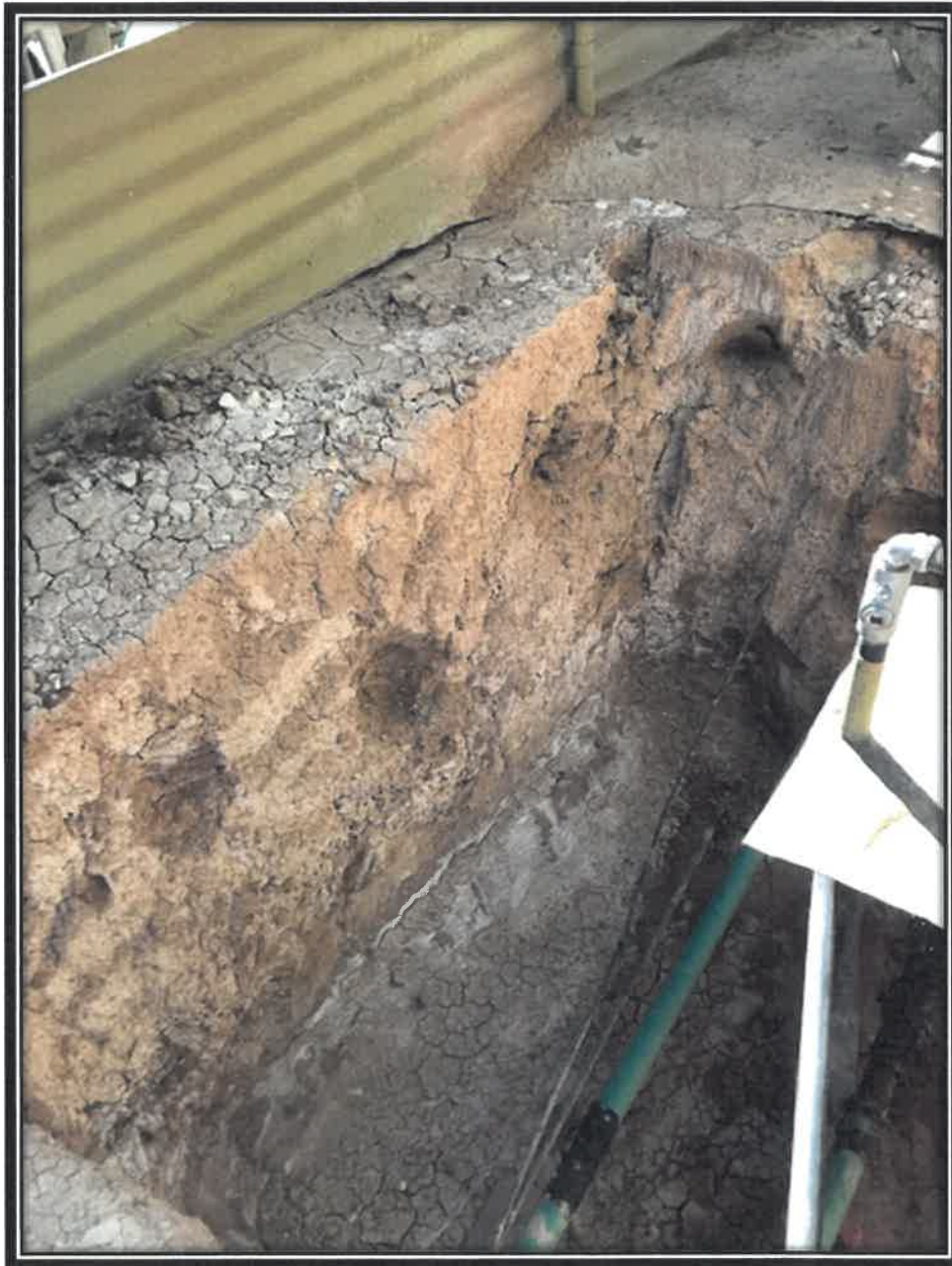


Photo: After hydrovac, Samples taken 10/1/2020



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Photo: After Excavation of "North Wall", Samples taken 10/13/2020





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Photo: O.C East Wall, Excavation on 11/4/2020



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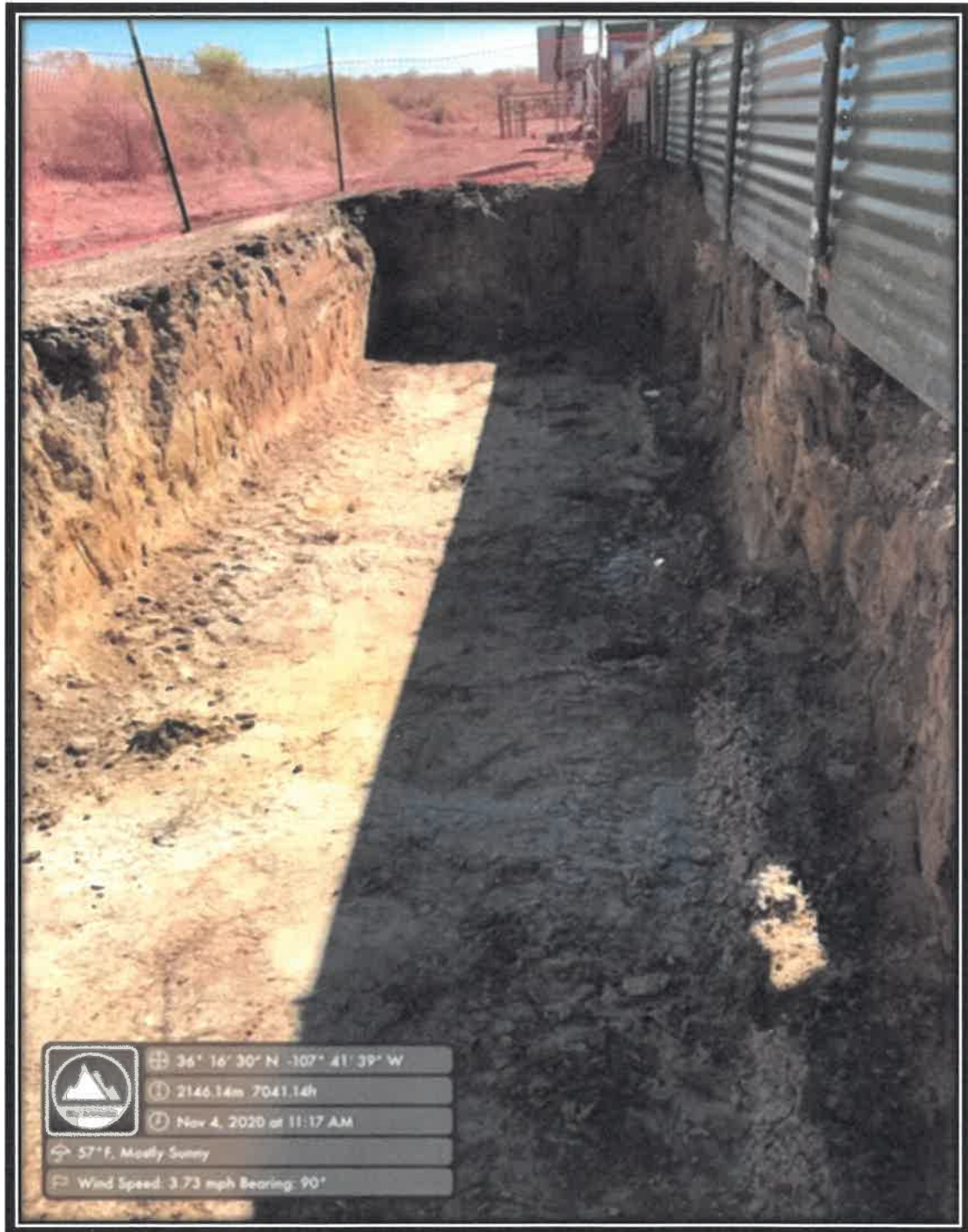


Photo: O.C Bottom/ looking at O.C South Wall



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Photo: O.C South Wall





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30-045-35605



Photo: Containment Wall





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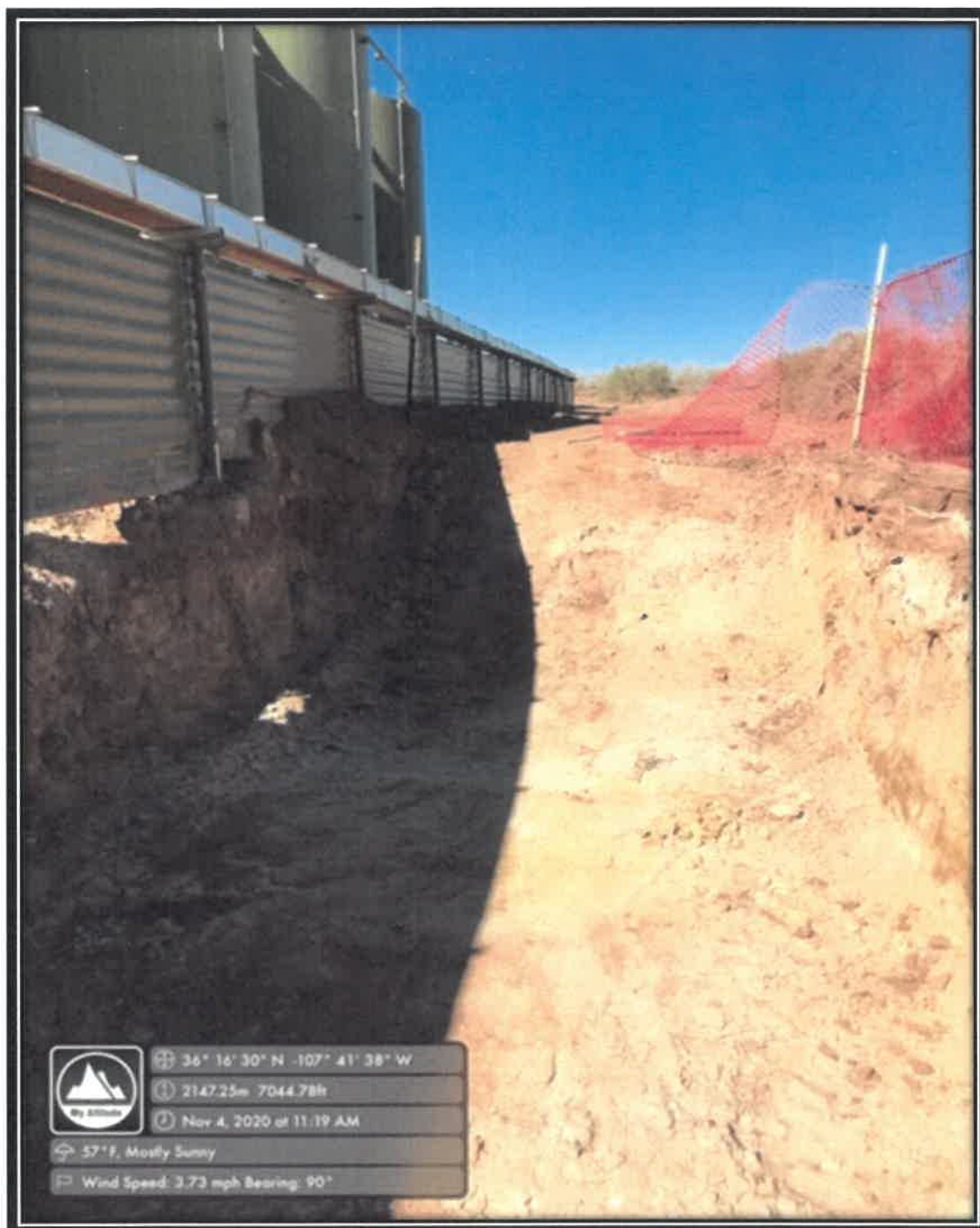


Photo: O.C North Wall



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Photo: O.C East Wall





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Photo: Soil Boring 1



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30-045-35605



Photo: Soil Boring 2



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MC 5 Com 112H  
30-045-35605

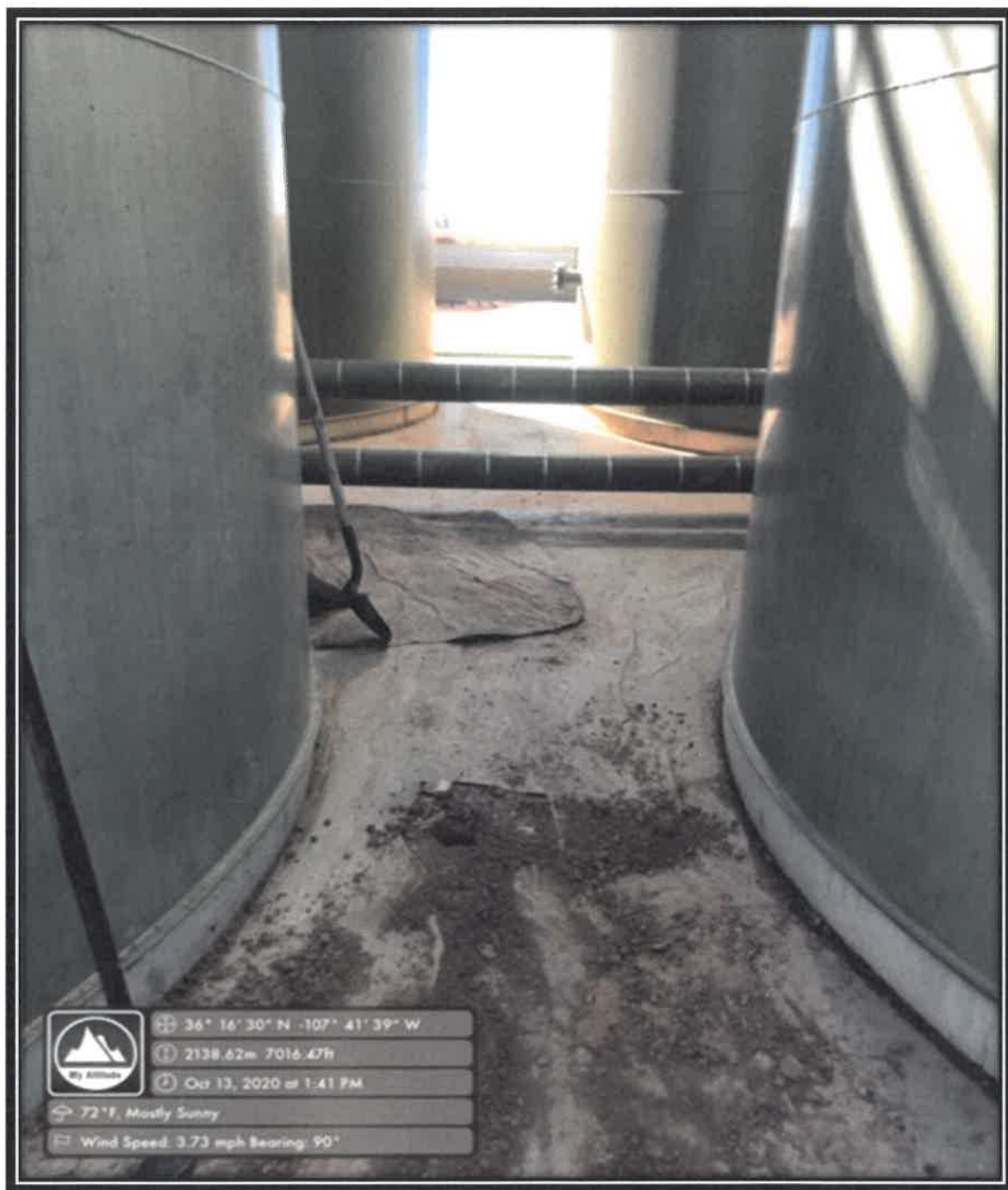


Photo: Soil Boring 2





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30-045-35605



Photo: Soil Boring 3





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MC 5 Com 112H  
30-045-35605

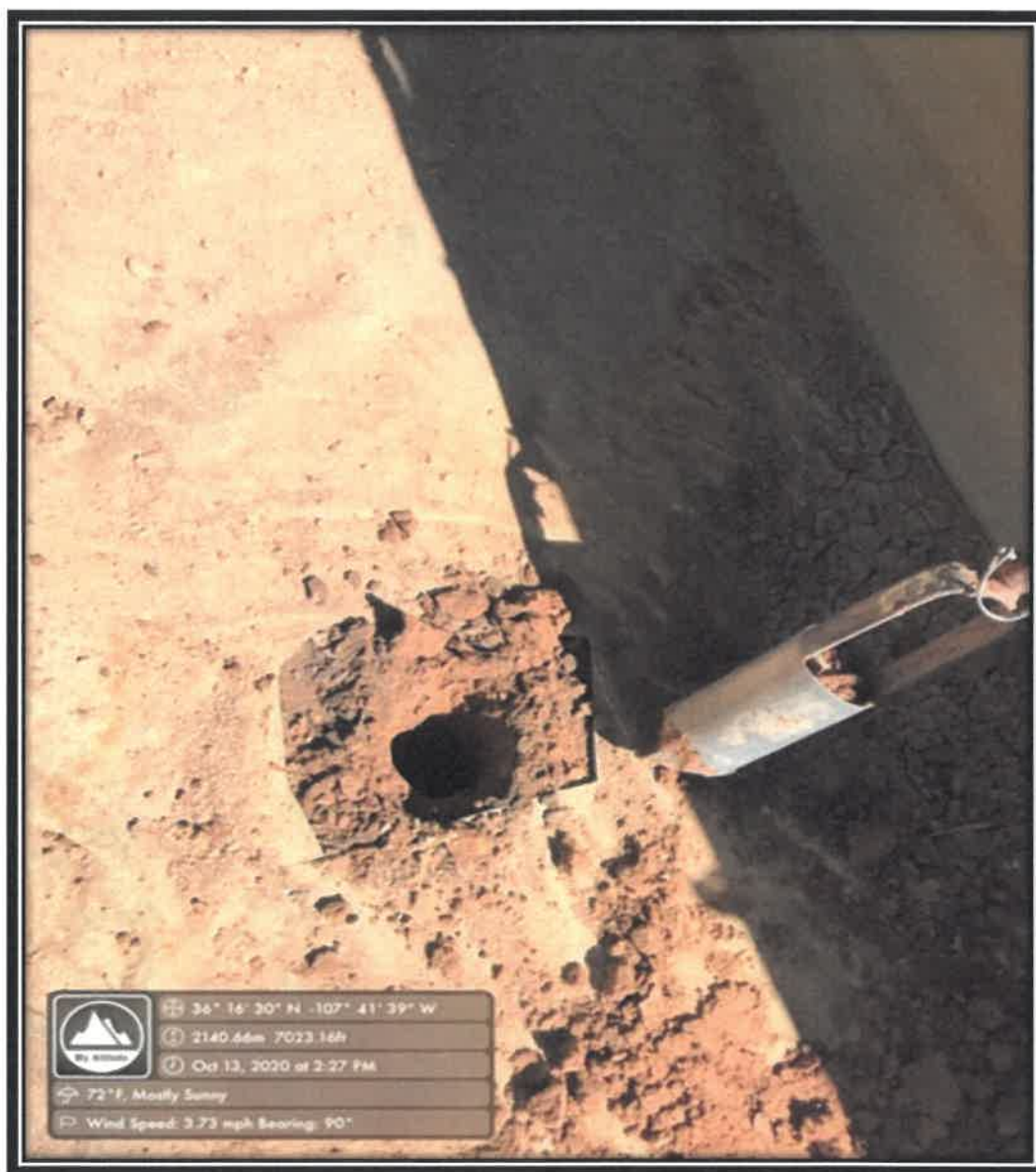


Photo: Soil Boring 4



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MC 5 Com 112H  
30-045-35605

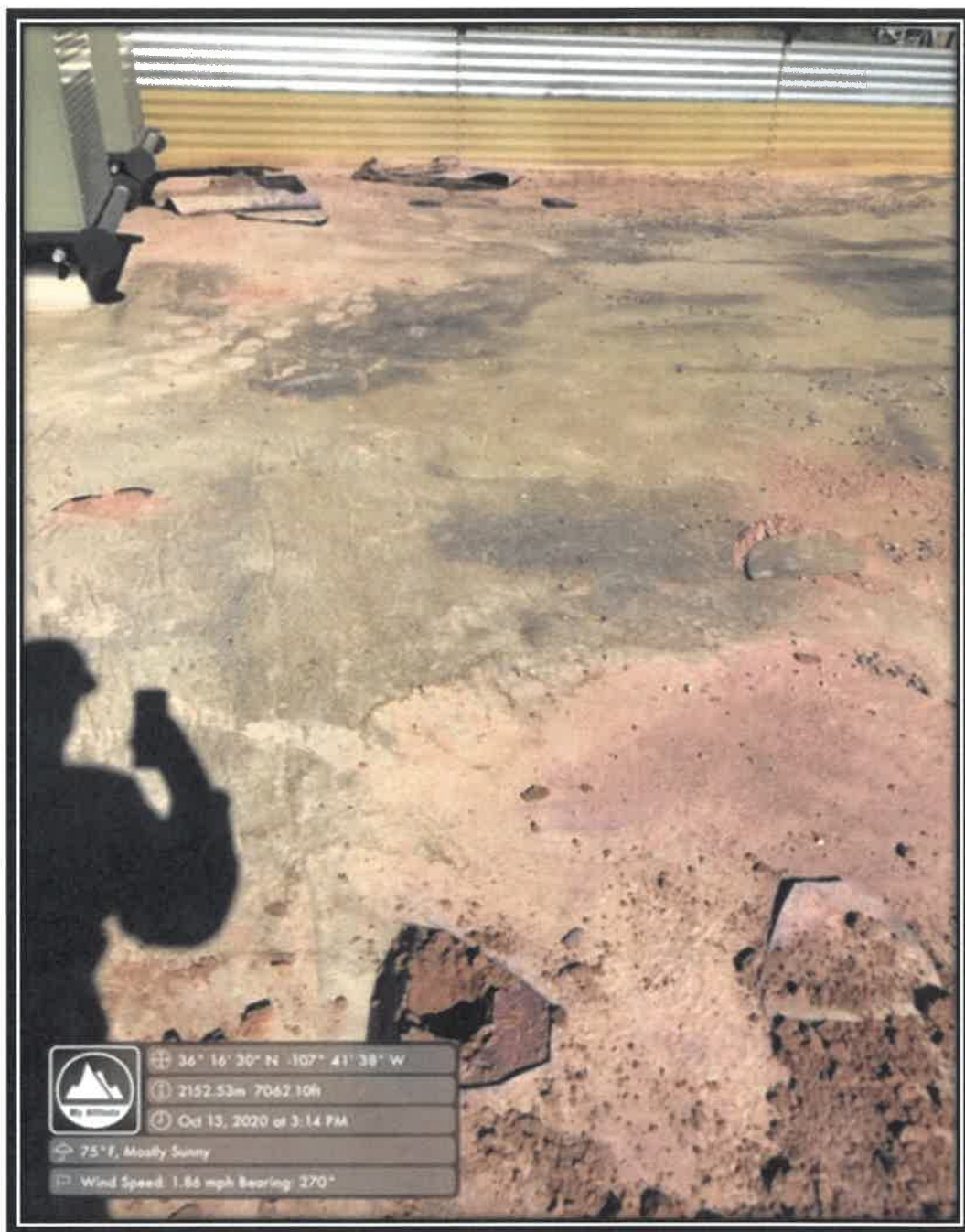


Photo: Soil Boring 5



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MC 5 Com 112H  
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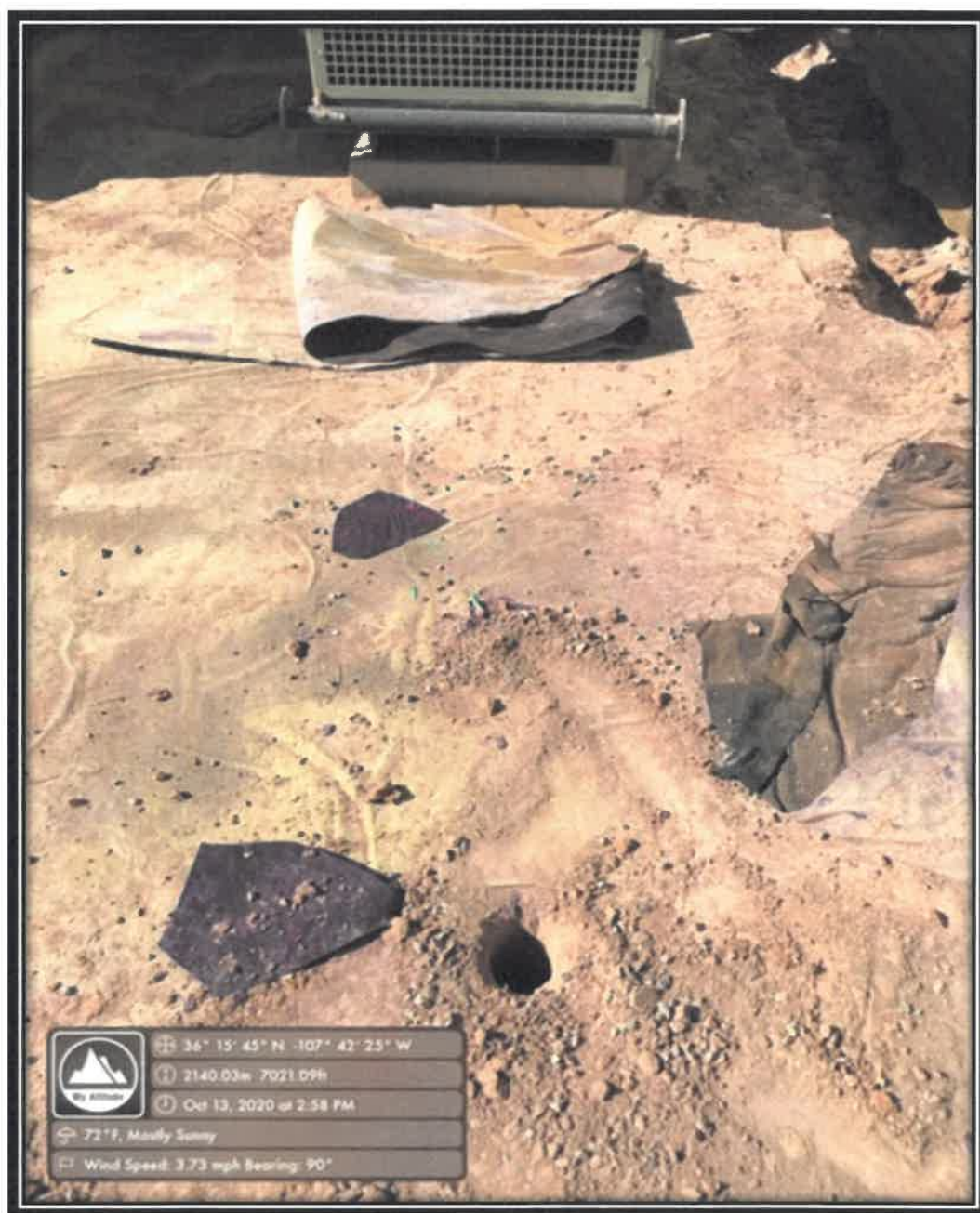


Photo: Soil Boring 6





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MC 5 Com 112H  
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Photo: Soil Boring 7, Behind Soil Boring 1

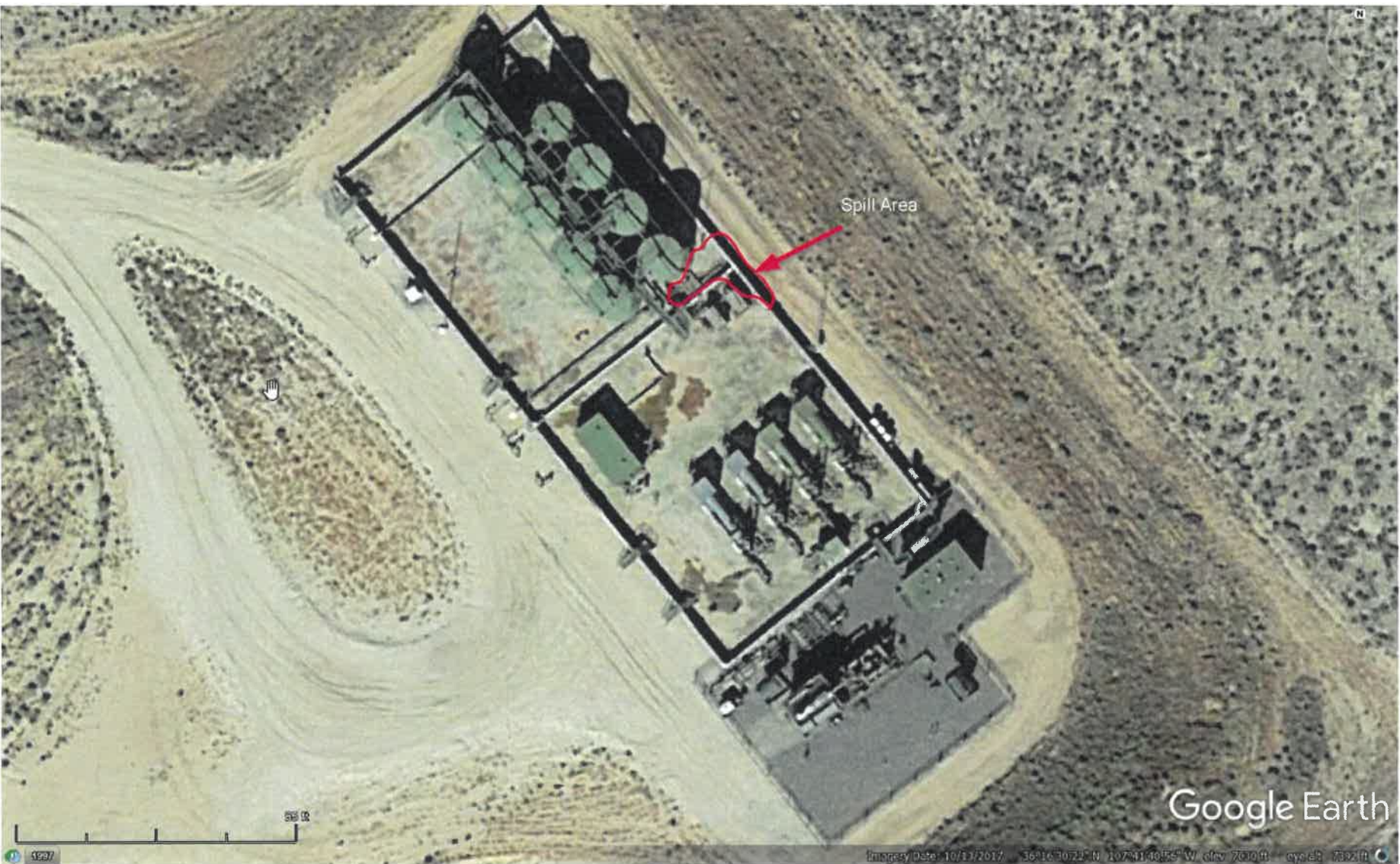


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MC 5 Com 112H  
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Photo: Soil Boring 8, behind Soil Boring 4











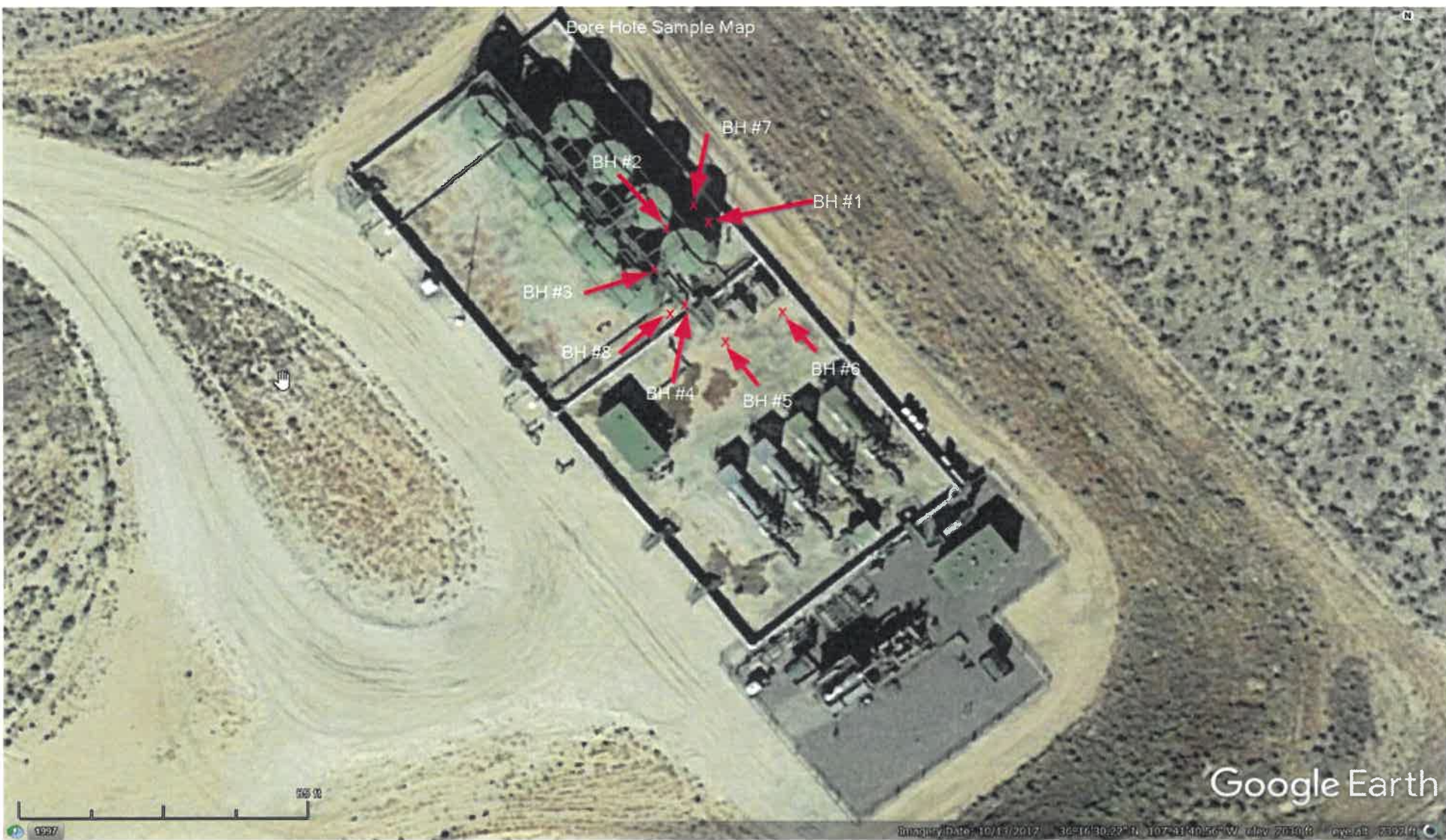


















Table I Analytical Results - MC 5 Com 112H

Sample Name	Description	Date	DRO	GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD	Top 4'	NA	NA ppm	NA ppm	NA ppm	100 ppm	10 ppm	NA ppm	NA ppm	NA ppm	50 ppm	600 ppm	200 sq. ft
Outside Containment Wall	20'L x 3'W x 1' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2010	x
East of Tank	8' x 16' x 1' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2470	128
Bottom	5' x 4' x 4' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2410	20
Tank Wall	5' x 4' x 4' deep	10/1/2020	626	23.9	203	852.9	0.0253	0.125	< 0.0250	1.52	1.7	2700	20
East Wall	5' x 4' x 4' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2540	20
South Wall	5' x 4' x 4' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	1920	20
West Wall	5' x 4' x 4' deep	10/1/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2640	20
O.C North Wall	25' x 5' x 4' deep	10/13/2020										1600	100
O.C. South Wall	25' x 5' x 4' deep	10/13/2020										501	100
O.C Bottom @ 4'	25' x 5' x 4' deep	10/13/2020										1750	125
O.C East Wall	25' x 5' x 4' deep	10/13/2020										1120	100
Tank Wall	5' x 6' x 4' deep	10/13/2020	44.5	< 20	< 50	44.5	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2060	20
Containment Wall	28' x 7' x 4' deep	11/4/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	14000	112
O.C North Wall	28' x 7' x 4' deep	11/4/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	28.7	112
O.C East Wall	28' x 7' x 4' deep	11/4/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	796	112
O.C Bottom	28' x 7' x 4' deep	11/4/2020	< 25	< 20	< 50	< 95	< 0.0258	< 0.0250	< 0.0250	< 0.0250	< 0.1	580	196
O.C South Wall	28' x 7' x 4' deep	11/4/2020	< 25	< 20	< 50	< 95	< 0.0258	< 0.0250	< 0.0250	< 0.0250	< 0.1	427	112
O.C East Wall	28' x 11' x 4' deep	11/11/2020	< 25	< 20	< 50	< 95	< 0.0258	< 0.0250	< 0.0250	< 0.0250	< 0.1	148	112

CLOSURE SAMPLES

**Table I Analytical Results - MC 5 Com 112H: Soil Borings**

Sample Name	Description	Date	DRO	GRO	ORO	Total TPH	Benzene	Toluene	Ethylbenzene	Xylenes	Total BTEX	Chlorides	Square Footage
STANDARD	Top 4'	NA	NA ppm	NA ppm	NA ppm	100 ppm	10 ppm	NA ppm	NA ppm	NA ppm	50 ppm	600 ppm	200 sq. ft
SB 1 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	31	
SB 1 @ 4'	4'	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	1690	
SB 2 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
SB 2 @ 4'	4'	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	39.9	
SB 3 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	31.4	
SB 3 @ 4'	4'	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	87.5	
SB 4 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	2410	
SB 4 @ 4'	4'	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	232	
SB 5 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
SB 5 @ 4'	4'	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	50.6	
SB 6 @ 0-6"	0-6"	10/13/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
SB 6 @ 4'	4'	10/13/2020	44.5	< 20	< 50	44.5	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
SB 7 @ 4'	4'	11/4/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	
SB 8 @ 0-6"	0-6"	11/4/2020	< 25	< 20	< 50	< 95	< 0.0250	< 0.0250	< 0.0250	< 0.0250	< 0.1	<20	

DEC.13.2012 10:57 5052584531

MOTEDRILLING

#0405 P.002 /002

MOT-TE DRILLING, INC.

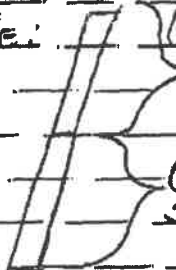
DAY Wed

DRILLER <u>Jeremy</u>	LEFT TOWN	ARRIVED FIELD
HELPER <u>Andy</u>	LEFT FIELD	ARRIVED TOWN
HELPER <u>Tony</u>	TOTAL FOOTAGE TODAY	

RIG NO. 211 DATE 12/5/12 CLIENT WFX

BEGIN WORK ON HOLE NO. Lybank 54-B-32 AT #2014 FEET

BEGIN WORK ON HOLE NO. \_\_\_\_\_ AT \_\_\_\_\_ FEET

TIME		ACTIVITY
FROM	TO	
9:00	9:15	Roll on location / Rig up
9:15	9:45	Drill (0-70') 6 1/4" / TDH
9:45	10:45	Wait for water meter reading (Dry)
10:45	11:30	Drill (70-120') 6 1/4" / TDH
11:30	12:00	Rig down / move off
	12:30	Run Probe @ 120' Dry
		Hole:  (0-70') Sandstone / Shale throughout
		(70-120') Shale w/ dark sandstone towards Bottom

BIT RECORD		FOOTAGE
SIZE & MAKE	SERIAL NO.	
		1/3 Day Rig 1166 67
		1/3 Rig Suppressor 258 33
		1/3 Water Meter 33 25
CIRCULATION MATERIAL		
QUAN.	UNIT	MATERIAL
		Tax 103 91
		Total 1562 25

RCVD DEC 13 '12  
OIL CONS. DIV.  
DIST. 3

NO. OF LOADS OF WATER \_\_\_\_\_ SOURCE \_\_\_\_\_

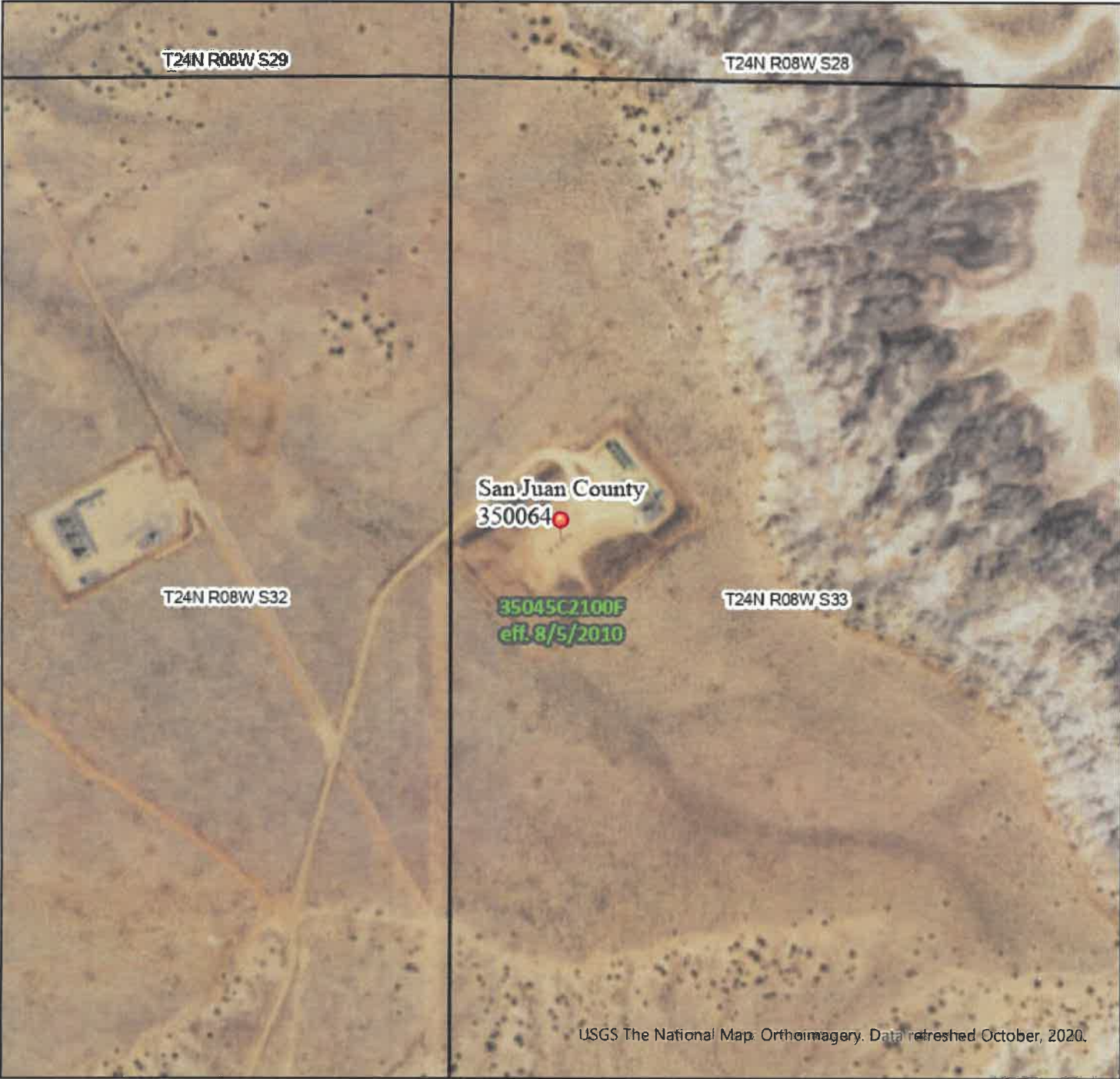
san juan repr form, form 219 G



# National Flood Hazard Layer FIRMette



107°42'W 36°16'43"N



USGS The National Map: Orthoimagery. Data refreshed October, 2020.

Feet 1:6,000

107°41'23"W 36°16'14"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D

OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone

GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall

	20.2	Cross Sections with 1% Annual Chance Water Surface Elevation
	17.5	Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary

OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

	Digital Data Available
	No Digital Data Available
	Unmapped

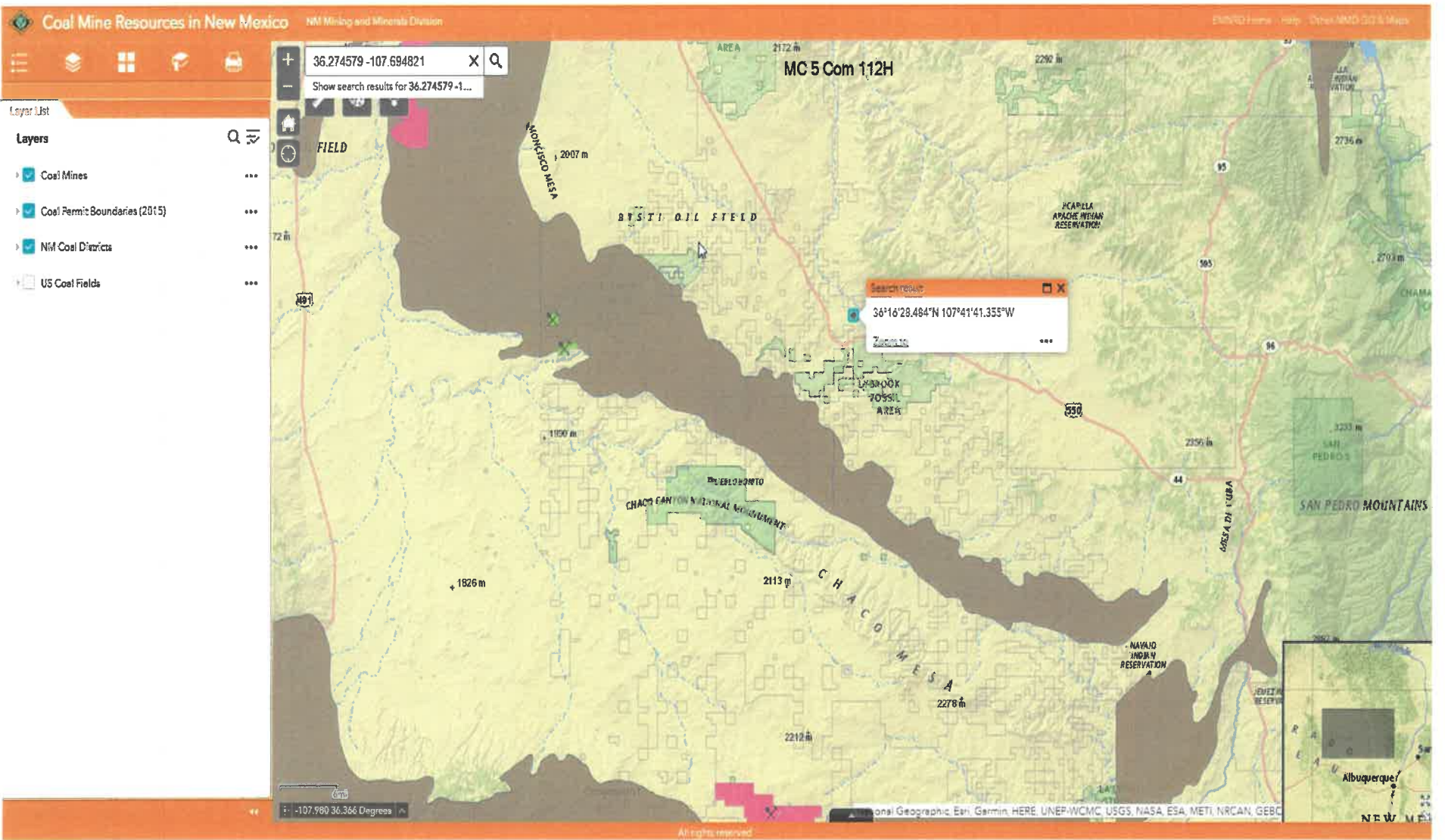


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/11/2020 at 10:19 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

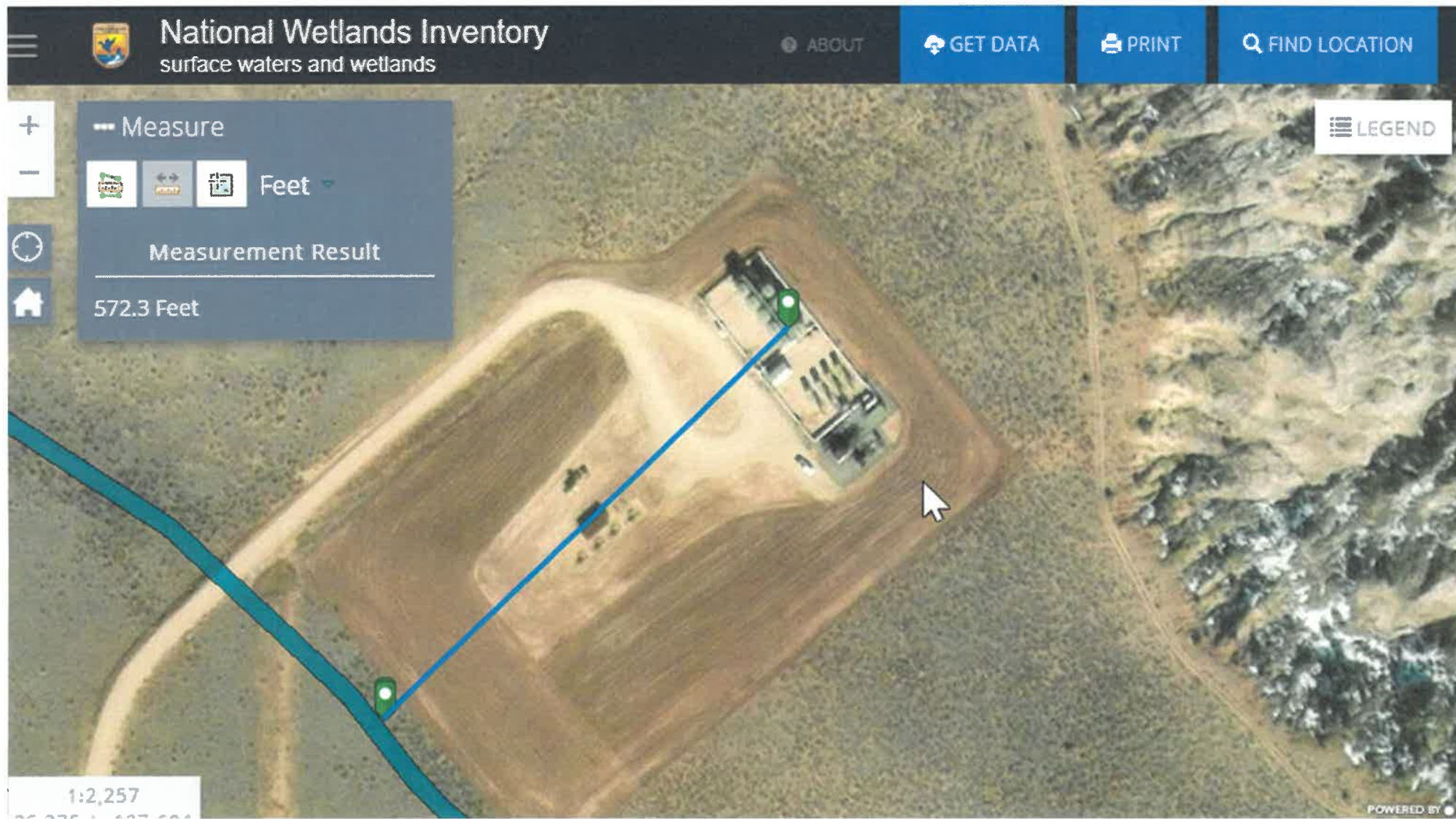
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.











Report to:

Chad Snell

511 16th Street, Suite 700  
Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: MC 5 Com 112H

Work Order: E010005

Job Number: 17065-0017

Received: 10/1/2020

Revision: 0

Report Reviewed By:

**Draft**  
Walter Hinchman  
Laboratory Director  
10/2/20

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 NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/2/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: MC 5 Com 112H  
Workorder: E010005  
Date Received: 10/1/2020 1:38:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2020 1:38:00PM, under the Project Name: MC 5 Com 112H.

The analytical test results summarized in this report with the Project Name: MC 5 Com 112H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
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Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/02/20 11:56
---	--	-----------------------------

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Outside Containment Wall	E010005-01A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
East of Tank	E010005-02A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
Bottom	E010005-03A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
Tank Well	E010005-04A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
East Wall	E010005-05A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
South Wall	E010005-06A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.
West Wall	E010005-07A	Soil	10/01/20	10/01/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC	Project Name:	MC 5 Com 112H	Reported:
511 16th Street, Suite 700	Project Number:	17065-0017	10/2/2020 11:56:35AM
Denver CO, 80202	Project Manager:	Chad Snell	

## Outside Containment Wall

## E010005-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS			Batch: 2040027
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS			Batch: 2040027
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.8 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2040028
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/01/20	
Surrogate: n-Nonane	75.1 %	50-200		10/01/20	10/01/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE			Batch: 2040026
Chloride	2010	40.0	2	10/01/20	10/01/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Com 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/2/2020 11:56:35AM

## East of Tank

E010005-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
Surrogate: 4-Bromochlorobenzene-PID	99.2 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.5 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/01/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/01/20	
Surrogate: n-Nonane	84.9 %	50-200		10/01/20	10/01/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	2470	40.0	2	10/01/20	10/01/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Com 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/2/2020 11:56:35AM

## Bottom

E010005-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.3 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/02/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/02/20	
Surrogate: n-Nonane	92.3 %	50-200		10/01/20	10/02/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	2410	40.0	2	10/01/20	10/01/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Com 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/2/2020 11:56:35AM

## Tank Well

E010005-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	0.0253	0.0250	1	10/01/20	10/02/20	
Toluene	0.125	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	1.08	0.0500	1	10/01/20	10/02/20	
o-Xylene	0.437	0.0250	1	10/01/20	10/02/20	
Total Xylenes	1.52	0.0250	1	10/01/20	10/02/20	
Surrogate: 4-Bromochlorobenzene-PID	109 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	23.9	20.0	1	10/01/20	10/02/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.0 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	626	25.0	1	10/01/20	10/02/20	
Oil Range Organics (C28-C40)	203	50.0	1	10/01/20	10/02/20	
Surrogate: n-Nonane	112 %	50-200		10/01/20	10/02/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	2700	40.0	2	10/01/20	10/01/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Corn 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/2/2020 11:56:35AM

## East Wall

E010005-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.1 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/02/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/02/20	
<i>Surrogate: n-Nonane</i>						
	92.8 %	50-200		10/01/20	10/02/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	2540	40.0	2	10/01/20	10/01/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Com 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/2/2020 11:56:35AM

## South Wall

E010005-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		100 %	70-130	10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.7 %	70-130	10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/02/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/02/20	
<i>Surrogate: n-Nonane</i>		80.4 %	50-200	10/01/20	10/02/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	1920	40.0	2	10/01/20	10/02/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 Com 112H  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/2/2020 11:56:35AM

## West Wall

## E010005-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Benzene	ND	0.0250	1	10/01/20	10/02/20	
Toluene	ND	0.0250	1	10/01/20	10/02/20	
Ethylbenzene	ND	0.0250	1	10/01/20	10/02/20	
p,m-Xylene	ND	0.0500	1	10/01/20	10/02/20	
o-Xylene	ND	0.0250	1	10/01/20	10/02/20	
Total Xylenes	ND	0.0250	1	10/01/20	10/02/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2040027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/20	10/02/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.2 %	70-130		10/01/20	10/02/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2040028	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/20	10/02/20	
Oil Range Organics (C28-C40)	ND	50.0	1	10/01/20	10/02/20	
<i>Surrogate: n-Nonane</i>						
	93.4 %	50-200		10/01/20	10/02/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2040026	
Chloride	2640	40.0	2	10/01/20	10/02/20	





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/2/2020 11:56:35AM
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## Volatile Organics by EPA 8021B

Analyst: RS

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

## Blank (2040027-BLK1)

Prepared: 10/01/20 Analyzed: 10/02/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.97		8.00		99.6	70-130			

## LCS (2040027-BS1)

Prepared: 10/01/20 Analyzed: 10/02/20

Benzene	5.12	0.0250	5.00		102	70-130			
Toluene	5.21	0.0250	5.00		104	70-130			
Ethylbenzene	5.18	0.0250	5.00		104	70-130			
p,m-Xylene	10.5	0.0500	10.0		105	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
Total Xylenes	15.7	0.0250	15.0		105	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.59		8.00		107	70-130			

## Matrix Spike (2040027-MS1)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/02/20

Benzene	5.37	0.0250	5.00	ND	107	54-133			
Toluene	5.43	0.0250	5.00	ND	109	61-130			
Ethylbenzene	5.39	0.0250	5.00	ND	108	61-133			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
o-Xylene	5.46	0.0250	5.00	ND	109	63-131			
Total Xylenes	16.3	0.0250	15.0	ND	109	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.58		8.00		107	70-130			

## Matrix Spike Dup (2040027-MSD1)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/02/20

Benzene	5.37	0.0250	5.00	ND	107	54-133	0.106	20	
Toluene	5.39	0.0250	5.00	ND	108	61-130	0.609	20	
Ethylbenzene	5.37	0.0250	5.00	ND	107	61-133	0.317	20	
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131	0.165	20	
o-Xylene	5.43	0.0250	5.00	ND	109	63-131	0.535	20	
Total Xylenes	16.3	0.0250	15.0	ND	108	63-131	0.289	20	
Surrogate: 4-Bromochlorobenzene-PID	8.52		8.00		107	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/2/2020 11:56:35AM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2040027-BLK1)

Prepared: 10/01/20 Analyzed: 10/02/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			

## LCS (2040027-BS2)

Prepared: 10/01/20 Analyzed: 10/02/20

Gasoline Range Organics (C6-C10)	42.4	20.0	50.0		84.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.8	70-130			

## Matrix Spike (2040027-MS2)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/02/20

Gasoline Range Organics (C6-C10)	44.3	20.0	50.0	ND	88.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.1	70-130			

## Matrix Spike Dup (2040027-MSD2)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/02/20

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0	ND	86.8	70-130	2.10	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.86		8.00		85.7	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/2/2020 11:56:35AM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2040028-BLK1)

Prepared: 10/01/20 Analyzed: 10/01/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C40)	ND	50.0							
Surrogate: n-Nonane	49.2		50.0		98.3	50-200			

## LCS (2040028-BS1)

Prepared: 10/01/20 Analyzed: 10/01/20

Diesel Range Organics (C10-C28)	480	25.0	500		96.1	38-132			
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			

## Matrix Spike (2040028-MS1)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/01/20

Diesel Range Organics (C10-C28)	499	25.0	500	ND	99.8	38-132			
Surrogate: n-Nonane	38.2		50.0		76.3	50-200			

## Matrix Spike Dup (2040028-MSD1)

Source: E010005-01 Prepared: 10/01/20 Analyzed: 10/01/20

Diesel Range Organics (C10-C28)	493	25.0	500	ND	98.5	38-132	1.25	20	
Surrogate: n-Nonane	45.2		50.0		90.4	50-200			





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/2/2020 11:56:35AM
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## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2040026-BLK1)

Prepared: 10/01/20 Analyzed: 10/01/20

Chloride ND 20.0

## LCS (2040026-BS1)

Prepared: 10/01/20 Analyzed: 10/01/20

Chloride 250 20.0 250 100 90-110

## Matrix Spike (2040026-MS1)

Source: E010002-01 Prepared: 10/01/20 Analyzed: 10/01/20

Chloride 300 20.0 250 44.0 102 80-120

## Matrix Spike Dup (2040026-MSD1)

Source: E010002-01 Prepared: 10/01/20 Analyzed: 10/01/20

Chloride 301 20.0 250 44.0 103 80-120 0.363 20

## QC Summary Report Comment:

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



**Definitions and Notes**

Enduring Resources, LLC	Project Name:	MC 5 Com 112H	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	10/02/20 11:56

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



## Project Information

## Chain of Custody

Page 1 of 1

Client: <u>Enduring Resources</u> Project: <u>Mc S Com 112H</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Court</u> City, State, Zip: <u>Farmington, NM 87401</u> Phone: <u>(505) 444-0586</u> Email: <u>Csnell@enduringresources.com</u> Report due by:					Bill To Attention: Address: City, State, Zip: Phone: Email:					Lab Use Only Lab WO# <u>E 010055</u> Job Number <u>17015007</u> Analysis and Method					TAT 1D 2D 3D Standard			EPA Program CWA SDWA RCRA		
										State NM CO UT AZ TX										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0									Remarks
12:00	10-1-20	S	1	Out Side Containment Wall	1	X	X	X			X									
12:10	10-1-20			East of Tank	2	X	X	X			X									
12:20				Bottom	3	X	X	X			X									
12:25				Tank wall	4	X	X	X			X									
12:30				East wall	5	X	X	X			X									
12:35				South wall	6	X	X	X			X									
12:40				West wall	7	X	X	X			X									
Additional Instructions:																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <u>[Signature]</u> Date <u>10-1-20</u> Time <u>1:37pm</u>					Received by: (Signature) <u>[Signature]</u> Date <u>10-1-20</u> Time <u>1:38</u>					Lab Use Only Received on ice: Y / N <u>(N)</u> T1 <u>26</u> T2 <u>25.9</u> T3 <u>26.2</u> AVG Temp °C <u>26.0</u>										
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____															
Relinquished by: (Signature) _____ Date _____ Time _____					Received by: (Signature) _____ Date _____ Time _____															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA									
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Page 17 of 18



## Envirotech Analytical Laboratory

Printed: 10/1/2020 1:52:37PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Enduring Resources, LLC  
 Phone: (505) 636-9729  
 Email: csnell@EnduringResources.com

Date Received: 10/01/20 13:38  
 Date Logged In: 10/01/20 13:44  
 Due Date: 10/02/20 17:00 (1 day TAT)

Work Order ID: E010005  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time are not included in this discussion.

Carrier: Chad SnellComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? No
  8. If yes, was cooler received in good condition? NA
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6°±2°C No
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 26°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:  
 Sample ID? Yes  
 Date/Time Collected? Yes  
 Collector's name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Chad Snell

511 16th Street, Suite 700  
Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: MC 5 COM 112

Work Order: E010046

Job Number: 17065-0017

Received: 10/14/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/16/20

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 NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 10/16/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: MC 5 COM 112  
Workorder: E010046  
Date Received: 10/14/2020 9:11:00AM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2020 9:11:00AM, under the Project Name: MC 5 COM 112.

The analytical test results summarized in this report with the Project Name: MC 5 COM 112 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
[rlopez@envirotech-inc.com](mailto:rlopez@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/20 09:18
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
O.C North Wall	E010046-01A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
O.C South Wall	E010046-02A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
O.C Bottom @ 4'	E010046-03A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
O.C East Wall	E010046-04A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
Tank Wall	E010046-05A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.



**Sample Data**

Enduring Resources, LLC	Project Name:	MC 5 COM 112	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	10/16/2020 9:18:36AM

**O.C North Wall****E010046-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042008	
Chloride	1600	20.0	1	10/14/20	10/14/20	





**Sample Data**

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/16/2020 9:18:36AM

**O.C South Wall****E010046-02**

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE			Batch: 2042008
Chloride	<b>501</b>	20.0		1	10/14/20	10/14/20	



**Sample Data**

Enduring Resources, LLC	Project Name:	MC 5 COM 112	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	10/16/2020 9:18:36AM

**O.C Bottom @ 4'****E010046-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2042008
Chloride	1750	40.0	2	10/14/20	10/14/20	



**Sample Data**

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/16/2020 9:18:36AM

**O.C East Wall****E010046-04**

Analyte	Result	Reporting		Dilution	Prepared	Analyzed	Notes
		Limit					
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE			Batch: 2042008
Chloride	1120	20.0		1	10/14/20	10/14/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/2020 9:18:36AM
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## Tank Wall

E010046-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2042009	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2042009	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.5 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042010	
Diesel Range Organics (C10-C28)	44.5	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	109 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042008	
Chloride	2060	40.0	2	10/14/20	10/14/20	





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/2020 9:18:36AM
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## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042009-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

## LCS (2042009-BS1)

Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	4.78	0.0250	5.00		95.5	70-130			
Toluene	4.90	0.0250	5.00		98.0	70-130			
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130			
p,m-Xylene	9.58	0.0500	10.0		95.8	70-130			
o-Xylene	4.77	0.0250	5.00		95.4	70-130			
Total Xylenes	14.3	0.0250	15.0		95.7	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

## Matrix Spike (2042009-MS1)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	10.4	0.0500	10.0	ND	104	54-133			
Toluene	10.5	0.0500	10.0	ND	105	61-130			
Ethylbenzene	10.4	0.0500	10.0	ND	104	61-133			
p,m-Xylene	20.6	0.100	20.0	ND	103	63-131			
o-Xylene	10.3	0.0500	10.0	ND	103	63-131			
Total Xylenes	31.0	0.0500	30.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	16.2		16.0		101	70-130			

## Matrix Spike Dup (2042009-MSD1)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	9.73	0.0500	10.0	ND	97.3	54-133	6.73	20	
Toluene	9.94	0.0500	10.0	ND	99.4	61-130	5.59	20	
Ethylbenzene	9.89	0.0500	10.0	ND	98.9	61-133	5.44	20	
p,m-Xylene	19.6	0.100	20.0	ND	97.9	63-131	5.28	20	
o-Xylene	9.77	0.0500	10.0	ND	97.7	63-131	5.37	20	
Total Xylenes	29.3	0.0500	30.0	ND	97.8	63-131	5.31	20	
Surrogate: 4-Bromochlorobenzene-PID	16.3		16.0		102	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/2020 9:18:36AM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042009-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.10		8.00		88.7	70-130			

## LCS (2042009-BS2)

Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	46.6	20.0	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

## Matrix Spike (2042009-MS2)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	100	40.0	100	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	14.5		16.0		90.6	70-130			

## Matrix Spike Dup (2042009-MSD2)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	99.7	40.0	100	ND	99.7	70-130	0.528	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	14.4		16.0		89.9	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/2020 9:18:36AM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042010-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	55.1		50.0		110	50-200			

## LCS (2042010-BS1)

Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	450	25.0	500		90.0	38-132			
Surrogate: n-Nonane	48.2		50.0		96.4	50-200			

## Matrix Spike (2042010-MS1)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	468	25.0	500	ND	93.6	38-132			
Surrogate: n-Nonane	53.6		50.0		107	50-200			

## Matrix Spike Dup (2042010-MSD1)

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	440	25.0	500	ND	87.9	38-132	6.27	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/16/2020 9:18:36AM
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### Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2042008-BLK1)**

Prepared: 10/14/20 Analyzed: 10/14/20

Chloride ND 20.0

**LCS (2042008-BS1)**

Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 247 20.0 250 98.9 90-110

**Matrix Spike (2042008-MS1)**

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 541 20.0 250 268 109 80-120

**Matrix Spike Dup (2042008-MSD1)**

Source: E010044-01 Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 505 20.0 250 268 94.8 80-120 6.95 20

**QC Summary Report Comment:**

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





## Definitions and Notes

Enduring Resources, LLC	Project Name:	MC 5 COM 112	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	10/16/20 09:18

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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



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## Envirotech Analytical Laboratory

Printed: 10/14/2020 10:04:17AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Enduring Resources, LLC  
 Phone: (505) 636-9729  
 Email: csnell@EnduringResources.com

Date Received: 10/14/20 09:11  
 Date Logged In: 10/14/20 10:01  
 Due Date: 10/15/20 17:00 (1 day TAT)

Work Order ID: E010046  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

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

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

Carrier: Chad SnellSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collector's name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

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

Date



envirotech Inc.

Report to:

Chad Snell

511 16th Street, Suite 700  
Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: MC 5 COM 112

Work Order: E010045

Job Number: 17065-0017

Received: 10/14/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/20/20

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 NM009792018-1 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557-19-2 for data reported.



Date Reported: 10/20/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: MC 5 COM 112  
Workorder: E010045  
Date Received: 10/14/2020 9:17:00AM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/14/2020 9:17:00AM, under the Project Name: MC 5 COM 112.

The analytical test results summarized in this report with the Project Name: MC 5 COM 112 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
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**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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## Sample Summary

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/20 10:52
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB-1 @ 0-6"	E010045-01A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-1 @ 4'	E010045-02A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-2 @ 0-6"	E010045-03A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-2 @ 4'	E010045-04A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-3 @ 0-6"	E010045-05A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-3 @ 4'	E010045-06A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-4 @ 0-6"	E010045-07A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-4 @ 4'	E010045-08A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-5 @ 0-6"	E010045-09A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-5 @ 4'	E010045-10A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-6 @ 0-6"	E010045-11A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.
SB-6 @ 4'	E010045-12A	Soil	10/13/20	10/14/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/20/2020 10:52:36AM

SB-1 @ 0-6"

E010045-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/14/20	
Toluene	ND	0.0250	1	10/14/20	10/14/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/14/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/14/20	
o-Xylene	ND	0.0250	1	10/14/20	10/14/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/14/20	
Surrogate: 4-Bromochlorobenzene-PID	106 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/14/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.9 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	105 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	31.0	20.0	1	10/14/20	10/14/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/20/2020 10:52:36AM

SB-1 @ 4'

E010045-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/14/20	
Toluene	ND	0.0250	1	10/14/20	10/14/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/14/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/14/20	
o-Xylene	ND	0.0250	1	10/14/20	10/14/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/14/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/14/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.0 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	98.8 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	1690	20.0	1	10/14/20	10/14/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/20/2020 10:52:36AM

SB-2 @ 0-6"

E010045-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Benzene	ND	0.0250	1	10/14/20	10/14/20	
Toluene	ND	0.0250	1	10/14/20	10/14/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/14/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/14/20	
o-Xylene	ND	0.0250	1	10/14/20	10/14/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/14/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/14/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.6 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AY		Batch: 2042012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	102 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2042014
Chloride	ND	20.0	1	10/14/20	10/14/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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SB-2 @ 4'

E010045-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/14/20	
Toluene	ND	0.0250	1	10/14/20	10/14/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/14/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/14/20	
o-Xylene	ND	0.0250	1	10/14/20	10/14/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/14/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/14/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.6 %	70-130		10/14/20	10/14/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	102 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	39.9	20.0	1	10/14/20	10/14/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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SB-3 @ 0-6"

E010045-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	84.4 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	110 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	31.4	20.0	1	10/14/20	10/15/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/20/2020 10:52:36AM

SB-3 @ 4'

E010045-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.0 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	101 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	87.5	20.0	1	10/14/20	10/15/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/20/2020 10:52:36AM

SB-4 @ 0-6"

E010045-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	86.2 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	2410	40.0	2	10/14/20	10/15/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/20/2020 10:52:36AM

**SB-4 @ 4'**

**E010045-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	87.9 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	232	20.0	1	10/14/20	10/15/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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SB-5 @ 0-6"

E010045-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.4 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AY		Batch: 2042012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	101 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2042014
Chloride	ND	20.0	1	10/14/20	10/15/20	





## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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## SB-5 @ 4'

## E010045-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.2 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/14/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/14/20	
Surrogate: n-Nonane	104 %	50-200		10/14/20	10/14/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	50.6	20.0	1	10/14/20	10/15/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/20/2020 10:52:36AM

SB-6 @ 0-6"

E010045-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: RS		Batch: 2042011
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.0 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AY		Batch: 2042012
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/15/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/15/20	
Surrogate: n-Nonane	101 %	50-200		10/14/20	10/15/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2042014
Chloride	ND	20.0	1	10/14/20	10/15/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/20/2020 10:52:36AM

SB-6 @ 4'

E010045-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Benzene	ND	0.0250	1	10/14/20	10/15/20	
Toluene	ND	0.0250	1	10/14/20	10/15/20	
Ethylbenzene	ND	0.0250	1	10/14/20	10/15/20	
p,m-Xylene	ND	0.0500	1	10/14/20	10/15/20	
o-Xylene	ND	0.0250	1	10/14/20	10/15/20	
Total Xylenes	ND	0.0250	1	10/14/20	10/15/20	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: RS		Batch: 2042011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/14/20	10/15/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.0 %	70-130		10/14/20	10/15/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AY		Batch: 2042012	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/14/20	10/15/20	
Oil Range Organics (C28-C35)	ND	50.0	1	10/14/20	10/15/20	
Surrogate: n-Nonane	103 %	50-200		10/14/20	10/15/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2042014	
Chloride	ND	20.0	1	10/14/20	10/15/20	



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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## Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042011-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

## LCS (2042011-BS1)

Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	5.66	0.0250	5.00		113	70-130			
Toluene	5.63	0.0250	5.00		113	70-130			
Ethylbenzene	5.57	0.0250	5.00		111	70-130			
p,m-Xylene	11.3	0.0500	10.0		113	70-130			
o-Xylene	5.63	0.0250	5.00		113	70-130			
Total Xylenes	16.9	0.0250	15.0		113	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.36		8.00		104	70-130			

## Matrix Spike (2042011-MS1)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	5.54	0.0250	5.00	ND	111	54-133			
Toluene	5.51	0.0250	5.00	ND	110	61-130			
Ethylbenzene	5.45	0.0250	5.00	ND	109	61-133			
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131			
o-Xylene	5.48	0.0250	5.00	ND	110	63-131			
Total Xylenes	16.5	0.0250	15.0	ND	110	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.34		8.00		104	70-130			

## Matrix Spike Dup (2042011-MSD1)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Benzene	5.56	0.0250	5.00	ND	111	54-133	0.253	20	
Toluene	5.50	0.0250	5.00	ND	110	61-130	0.184	20	
Ethylbenzene	5.45	0.0250	5.00	ND	109	61-133	0.105	20	
p,m-Xylene	11.0	0.0500	10.0	ND	110	63-131	0.0218	20	
o-Xylene	5.47	0.0250	5.00	ND	109	63-131	0.150	20	
Total Xylenes	16.5	0.0250	15.0	ND	110	63-131	0.0643	20	
Surrogate: 4-Bromochlorobenzene-PID	8.22		8.00		103	70-130			





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042011-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.7	70-130			

## LCS (2042011-BS2)

Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	46.8	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		8.00		89.9	70-130			

## Matrix Spike (2042011-MS2)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	45.8	20.0	50.0	ND	91.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		8.00		87.9	70-130			

## Matrix Spike Dup (2042011-MSD2)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Gasoline Range Organics (C6-C10)	45.0	20.0	50.0	ND	90.0	70-130	1.78	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.01		8.00		87.6	70-130			



## QC Summary Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
10/20/2020 10:52:36AM

## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2042012-BLK1)

Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	59.3		50.0		119	50-200			

## LCS (2042012-BS1)

Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	459	25.0	500		91.7	38-132			
Surrogate: n-Nonane	48.1		50.0		96.3	50-200			

## Matrix Spike (2042012-MS1)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	2230	125	500	1880	71.0	38-132			
Surrogate: n-Nonane	61.5		50.0		123	50-200			

## Matrix Spike Dup (2042012-MSD1)

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Diesel Range Organics (C10-C28)	2480	125	500	1880	120	38-132	10.4	20	
Surrogate: n-Nonane	62.6		50.0		125	50-200			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 10/20/2020 10:52:36AM
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### Anions by EPA 300.0/9056A

Analyst: NE

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

**Blank (2042014-BLK1)**

Prepared: 10/14/20 Analyzed: 10/14/20

Chloride ND 20.0

**LCS (2042014-BS1)**

Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 247 20.0 250 98.7 90-110

**Matrix Spike (2042014-MS1)**

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 399 20.0 250 115 114 80-120

**Matrix Spike Dup (2042014-MSD1)**

Source: E010041-01 Prepared: 10/14/20 Analyzed: 10/14/20

Chloride 387 20.0 250 115 109 80-120 3.07 20

**QC Summary Report Comment:**

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



**Definitions and Notes**

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
10/20/20 10:52

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

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





## Project Information

## Chain of Custody

Page 1 of 2

Client: <u>Enduring Resources</u>					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>MC 5 Cam 112</u>					Attention:		Lab WO# <u>E010045</u>		Job Number <u>17065-0017</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Chad Snell</u>					Address:		Analysis and Method										RCRA	
Address: <u>700 Parkside Court</u>					City, State, Zip												State	
City, State, Zip <u>Farmington, NM 87401</u>					Phone:		Remarks											
Phone: <u>(505) 444-0596</u>					Email:													
Email:																		
Report due by:																		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						
1:20	10-13-20	S	1	SB-1 @ 0-6"	1	X	X	X			X						
1:20			1	SB-1 @ 4'	2	X	X	X			X						
1:30			1	SB-2 @ 0-6"	3	X	X	X			X						
1:40			1	SB-2 @ 4'	4	X	X	X			X						
1:50			1	SB-3 @ 0-6"	5	X	X	X			X						
2:00			1	SB-3 @ 4'	6	X	X	X			X						
2:10			1	SB-4 @ 0-6"	7	X	X	X			X						
2:20			1	SB-4 @ 4'	8	X	X	X			X						
2:30			1	SB-5 @ 0-6"	9	X	X	X			X						
2:40			1	SB 5 @ 4'	10	X	X	X			X						

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: [Signature]

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	<b>Lab Use Only</b> Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

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## Project Information

## Chain of Custody

Page 1 of 2

Client: <u>Enduring Resources</u>					Bill To		Lab Use Only				TAT				EPA Program			
Project: <u>MC 5 Cam 112</u>					Attention:		Lab WO# <u>E010045</u>		Job Number <u>17065-0017</u>		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: <u>Chad Snell</u>					Address:		Analysis and Method										RCRA	
Address: <u>700 Parkside Court</u>					City, State, Zip												State	
City, State, Zip <u>Farmington, NM 87401</u>					Phone:		Remarks											
Phone: <u>(505) 444-0596</u>					Email:													
Email:																		
Report due by:																		

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0						
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1:50			1	SB-3 @ 0-6"	5	X	X	X			X						
2:00			1	SB-3 @ 4'	6	X	X	X			X						
2:10			1	SB-4 @ 0-6"	7	X	X	X			X						
2:20			1	SB-4 @ 4'	8	X	X	X			X						
2:30			1	SB-5 @ 0-6"	9	X	X	X			X						
2:40			1	SB 5 @ 4'	10	X	X	X			X						

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Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

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

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

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

Page 22 of 24

Page 23 of 24

## Envirotech Analytical Laboratory

Printed: 10/14/2020 10:20:11AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Enduring Resources, LLC	Date Received:	10/14/20 09:17	Work Order ID:	E010045
Phone:	(505) 636-9729	Date Logged In:	10/14/20 09:47	Logged In By:	Alexa Michaels
Email:	csnell@EnduringResources.com	Due Date:	10/21/20 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
  2. Does the number of samples per sampling site location match the COC? Yes
  3. Were samples dropped off by client or carrier? Yes
  4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
  5. Were all samples received within holding time? Yes
- Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time are not included in this discussion.

Carrier: Chad SnellComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
  8. If yes, was cooler received in good condition? Yes
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6°C±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collector's name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

## REGULATORY TEAM WEEKLY UPDATE

### Week ending December 18, 2020

#### WEEKLY SUMMARY / HIGHLIGHTS

This week's changes are highlighted in **GREEN**

#### HIGHLIGHTS

- CHACO 2308 03L PIPELINE ROW application under review by BLM; edits to acreages submitted 12/18. Sundry in review by BLM.
- NECCA SWD 001: BLM received processing fees and is working on NEPA; will schedule an onsite in January
- WPX / Chevron ROW reassignments to Enduring finalized
- C-138 for Chaco 2308 03L 404H
- Jicarilla Permits- Registered for Gross Receipts Clearance, Operating Permit application/vehicle sticker request and payment sent out 12/4. Jicarilla received our operating permit application, sent email to them to see if I could get an emailed copy of permit in order to send in work permits.
- Southern Ute Crossing Permit application and check sent 12/16/20.
- Working on reconciliation of monthly Colorado water injection wells production

#### ONGOING

- Working with BLM-FFO on Chevron to Enduring assignments – no update
- Ongoing update for CO water well usage-when time allows
- Scan oil tickets to Mark

#### Regulatory Team is waiting on:

##### Engineers

- RODEO UNIT 518H pad- Directional and ops
- RODEO UNIT 524H pad- Directional and ops
- RODEO UNIT 516H pad- Directional and ops

##### Jason

##### OPS

##### Rig or Well Sign Orders

- N ESCAVADA UNIT 315H PDP
- W ESCAVADA UNIT 302H PDP
- W ESCAVADA UNIT 305H PDP
- W LYBROOK UNIT 716H PDP
- W LYBROOK UNIT 720H PDP

#### APD Stats

- BLM submitted: 0
- BLM Approved Weekly: 0
- Waiting on BLM approval: 28
- Waiting on OCD approval: 1

#### CONTAINMENT

#### Approvals (0)

BLM-FFO = BLM-Farmington Field Office (New Mexico); BLM-TRFO = BLM-Tres Rios Field Office (Colorado); COGCC = Colorado Oil and Gas Conservation Commission; NMOCD = New Mexico Oil Conservation District



**REGULATORY TEAM WEEKLY UPDATE**  
**Week ending December 18, 2020**

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- FEDERAL 002A-REDELIVERY
- FEDERAL 002-REDELIVERY
- FEDERAL 004-REDELIVERY
- FEDERAL G 004-REDELIVERY
- FEDERAL G 005-REDELIVERY
- FEDERAL STATE COM 001E-REDELIVERY
- FEDERAL STATE COM 001-REDELIVERY
- FEDERAL STATE COM 002-REDELIVERY
- FEDERAL STATE COM A 001-REDELIVERY
- GOVERNMENT F NCT 1 001-REDELIVERY
- JQ MARSHALL 001-REDELIVERY
- JQ MARSHALL 002-REDELIVERY
- JQ MARSHALL 004-REDELIVERY
- LM BARTON 001B-REDELIVERY
- LM BARTON 001C-REDELIVERY
- LM BARTON 001-REDELIVERY
- MARSHALL A 002-REDELIVERY
- MARSHALL A 004-REDELIVERY
- MARSHALL A 005-REDELIVERY
- MARSHALL A 007-REDELIVERY
- MARSHALL A 008-REDELIVERY
- MARSHALL GENTLE 001 -REDELIVERY
- MARSHALL GENTLE 001A-REDELIVERY
- MEXICO FEDERAL B 001-REDELIVERY
- NAGEEZI FEDERAL 001-FAN
- NELLIE PLATERO 001-REDELIVERY
- NELLIE PLATERO 004-REDELIVERY
- NELLIE PLATERO 005A-REDELIVERY
- NELLIE PLATERO 005B-REDELIVERY
- NELLIE PLATERO 005C-REDELIVERY
- NELLIE PLATERO 005-REDELIVERY
- NELLIE PLATERO 006-REDELIVERY
- NEW MEXICO STATE 32 002-REDELIVERY
- NEW MEXICO STATE 32 003S-REDELIVERY
- REDFERN 002-REDELIVERY
- REDFERN 003-REDELIVERY
- RIGGS 001-REDELIVERY
- RIGGS 003-REDELIVERY
- RIGGS 004-REDELIVERY
- RINCON UNIT 084-REDELIVERY
- RINCON UNIT NP 186-REDELIVERY
- SCHUMACHER 001A-REDELIVERY
- SCHUMACHER 001B-REDELIVERY
- SHIOTANI 007-REDELIVERY
- SHIOTANI 009-REDELIVERY
- SHIOTANI 011-REDELIVERY

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BLM-FFO = BLM-Farmington Field Office (New Mexico); BLM-TRFO = BLM-Tres Rios Field Office (Colorado); COGCC = Colorado Oil and Gas Conservation Commission; NMOCD = New Mexico Oil Conservation District

**REGULATORY TEAM WEEKLY UPDATE**  
**Week ending December 18, 2020**

- RINCON UNIT 127-P&A SUBSEQUENT
- RINCON UNIT-PROPOSED WATER RECYCLING CONTAINMENT
- RODEO UNIT 500H- ON LEASE ACCESS ROAD (64691)
- RODEO UNIT 501H- ON LEASE ACCESS ROAD (64693)
- S ESCAVADA UNIT 359H- EQUIPMENT PLACEMENT FACILITY (76736)
- S ESCAVADA UNIT 360H- EQUIPMENT PLACEMENT FACILITY (76737)

**P&A (4)**

- CHACO 2306 03E 412H-P&A
- CHACO 2306 03E 413H-P&A
- RINCON UNIT 068- P&A (88507)
- THEODORE ZINK COM 001- P&A (88691)

**NMOCD**

**SUNDRY (118)**

- BLANCO COM 005- REDELIVERY
- BLANCO COM 005A- REDELIVERY
- BLANCO COM 005B- REDELIVERY
- BUNCE FEDERAL COM 001E-REDELIVERY
- BURROUGHS COM B 004- REDELIVERY
- BURROUGHS COM B 004A- REDELIVERY
- BURROUGHS COM B 004B- REDELIVERY
- CHACO 2206 02H 272H-REPAIR ROD PUMP
- CHACO 2206 05A 436H -SUBSEQUENT ROD PUMP REPAIR
- CHACO 2206 05A 437H -SUBSEQUENT ROD PUMP REPAIR
- CHACO 2206 16A 221H-SUBSEQUENT WORKOVER ROD PUMP REPAIR
- CHACO 2308 03E 403H-REDELIVERY
- CHACO 2308 03L 404H-REDELIVERY
- CHACO 2308 03L 405H-REDELIVERY
- CHACO 2308 16I 147H-WORKOVER SUBSEQUENT NMOCD ONLY
- CHACO 2308 16I 148H-REPAIR ROD PUMP
- CHARLEY PAH 001-REDELIVERY
- GILBREATH 002-REDELIVERY
- HJ LOE FEDERAL B 002R-REDELIVERY
- HJ LOE FEDERAL B 004-REDELIVERY
- HJ LOE FEDERAL B 004S-REDELIVERY
- HJ LOE FEDERAL B 005-REDELIVERY
- HOBBS C 001- REDELIVERY
- HOBBS C STATE COM 002- REDELIVERY
- JAIR 002- CHANGE OF OPERATOR (70675)
- KIMBETO WASH 13 001- COPY OF BLM APPROVED CHANGE OF OPERATOR TO NMOCD
- KIMBETO WASH UNIT 889H-TEMPORARY LAYFLAT SURFACE LINES
- MARSHALL A 003-REDELIVERY
- MEAD 27 002- REDELIVERY (OCD)
- N ESCAVADA UNIT 311H-REDELIVERY
- N ESCAVADA UNIT 312H-REDELIVERY
- N ESCAVADA UNIT 315H- SPILL FINAL RECLAMATION (91680)
- N ESCAVADA UNIT 315H-REDELIVERY

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**REGULATORY TEAM WEEKLY UPDATE****Week ending December 18, 2020**

- 
- W LYBROOK UNIT 710H-REDELIVERY
  - W LYBROOK UNIT 712H-REDELIVERY
  - W LYBROOK UNIT 714H-REDELIVERY
  - W LYBROOK UNIT 716H-REDELIVERY
  - W LYBROOK UNIT 718H-REDELIVERY
  - W LYBROOK UNIT 719H-REDELIVERY
  - W LYBROOK UNIT 720H- CHANGE IN PLANS SHL (74879)
  - W LYBROOK UNIT 720H- WELL NAME CHANGE TO Y (74822)
  - W LYBROOK UNIT 724H- CHANGE IN PLANS SHL (74864)
  - W LYBROOK UNIT 724H- WELL NAME CHANGE TO Y (74823)
  - W LYBROOK UNIT 726H- CHANGE IN PLANS SHL (75152)
  - W LYBROOK UNIT 726H- WELL NAME CHANGE TO Y (74834)
  - W LYBROOK UNIT 728H- CHANGE IN PLANS SHL (75154)
  - W LYBROOK UNIT 728H- WELL NAME CHANGE TO Y (74835)
  - W LYBROOK UNIT 729H- CHANGE IN PLANS SHL (75156)
  - W LYBROOK UNIT 729H- WELL NAME CHANGE TO Y (74841)
  - W LYBROOK UNIT 747H-REDELIVERY
  - W LYBROOK UNIT 748H-REDELIVERY
  - W LYBROOK UNIT 749H-REDELIVERY
  - W LYBROOK UNIT 750H-REDELIVERY
  - W LYBROOK UNIT 751H-REDELIVERY
  - W LYBROOK UNIT 752H-REDELIVERY
  - W LYBROOK UNIT 753H-REDELIVERY
  - W LYBROOK UNIT 754H-REDELIVERY
  - W LYBROOK UNIT 755H-REDELIVERY
  - W LYBROOK UNIT 756H- CHANGE IN PLANS SHL (74866)
  - W LYBROOK UNIT 756H- WELL NAME CHANGE TO Y (74827)
  - W LYBROOK UNIT 757H- CHANGE IN PLANS SHL (74868)
  - W LYBROOK UNIT 757H- WELL NAME CHANGE TO Y (74829)
  - W LYBROOK UNIT 758H- CHANGE IN PLANS SHL (74882)
  - W LYBROOK UNIT 758H- WELL NAME CHANGE TO Y (74830)
  - W LYBROOK UNIT 760H- CHANGE IN PLANS SHL (75157)
  - W LYBROOK UNIT 760H- WELL NAME CHANGE TO Y (74842)
  - W LYBROOK UNIT 761H- CHANGE IN PLANS SHL (75162)
  - W LYBROOK UNIT 761H- WELL NAME CHANGE TO Y (74852)
  - W LYBROOK UT 830H - EQUIPMENT PLACEMENT: SURFACE WATER LINES (74327)
  - W LYBROOK UT 830H - EQUIPMENT PLACEMENT: SURFACE WATER LINES (74327) – BLM approval to OCD
  - W LYBROOK UT 861H - EQUIPMENT PLACEMENT: SURFACE WATER LINES (74320)
  - YAGER 006- SUBSEQUENT P&A SUNDRY (NMOCD ONLY)

**COGCC (3)**

- MASON 2-4-FORM 43 BH SAMPLE RESULTS
  - FORM 44 – FLOWLINE REPORT (2)
    - PRODUCED GAS SYSTEM
    - PRODUCED WATER SYSTEM
- 

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## REGULATORY TEAM WEEKLY UPDATE

### Week ending December 18, 2020

- S ESCAVADA UNIT 366H
- TERRA WASH COM 380H
- TERRA WASH COM 382H
- W ESCAVADA UNIT 309H
- W ESCAVADA UNIT 310H
- W LYBROOK UNIT 763H
- W LYBROOK UNIT 863H

#### NMOCD (1)

- S ESCAVADA UNIT 370H

### SPCC

#### Status

- WSP is completing final reviews of updated NM plans and beginning final review on CO plans.
- Updated plans will be stamped and submitted to Enduring upon completion.

### MDPs

#### Pending

##### **Ridge Unit**

MDP: 2nd version submitted 3/14/2019

MDP EA: submitted to BLM 5/30/2019

##### **Haynes Canyon Unit**

MDP: submitted 11/16/2018

MDP EA:

1st Draft submitted 2/11/2019

2nd Draft submitted 3/25/2019

3rd Draft submitted 7/15/2019

##### **Lone Mesa MDP (Mancos)**

MDP: completed and submitted to BLM 1/21/2019

MDP EA:

1st Draft submitted 2/13/2019

2nd draft submitted 8/12/2019

##### **Bobby B Unit**

MDP: completed and submitted to BLM 5/29/2019

MDP EA: awaiting BLM ID checklist

### GIS

- Chaco 404 RoW Map Revisions
- GIS Portal Troubleshoot
- NMOCD Approval Review
- New Computer Setup
- Chaco 404 Survey Shapefile Coordination
- Layflat RoW Layer Creation and KMZ Export

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Report to:

Chad Snell

511 16th Street, Suite 700  
Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: MC 5 COM 112

Work Order: E011014

Job Number: 17065-0017

Received: 11/4/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/6/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/6/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: MC 5 COM 112  
Workorder: E011014  
Date Received: 11/4/2020 1:11:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/4/2020 1:11:00PM, under the Project Name: MC 5 COM 112.

The analytical test results summarized in this report with the Project Name: MC 5 COM 112 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
[rlopez@envirotech-inc.com](mailto:rlopez@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/06/20 12:08
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Containment Wall	E011014-01A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
O.C. North Wall	E011014-02A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
O.C. East Wall	E011014-03A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
O.C. Bottom	E011014-04A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
O.C. South Wall	E011014-05A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
SB 7 @ 4'	E011014-06A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.
SB 8 @ 0-6'	E011014-07A	Soil	11/04/20	11/04/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/6/2020 12:08:24PM

## Containment Wall

## E011014-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	98.3 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.0 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2045031	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	107 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2045028	
Chloride	14000	100	5	11/04/20	11/04/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/6/2020 12:08:24PM

## O.C. North Wall

E011014-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	97.7 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2045031	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	97.9 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2045028	
Chloride	28.7	20.0	1	11/04/20	11/04/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/6/2020 12:08:24PM

## O.C. East Wall

E011014-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045036
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	97.9 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2045036
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.1 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: JL		Batch: 2045031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	106 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: NE		Batch: 2045028
Chloride	796	20.0	1	11/04/20	11/04/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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## O.C. Bottom

E011014-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2045036
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	98.2 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2045036
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	87.8 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: JL		Batch: 2045031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	108 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg		Analyst: NE		Batch: 2045028
Chloride	580	20.0	1	11/04/20	11/04/20	



## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

Reported:  
11/6/2020 12:08:24PM

## O.C. South Wall

E011014-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	98.6 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	86.9 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: JL		Batch: 2045031	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	104 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: NE		Batch: 2045028	
Chloride	427	20.0	1	11/04/20	11/04/20	



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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SB 7 @ 4'

E011014-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	98.6 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2045036	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.7 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL		Batch: 2045031	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	108 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE		Batch: 2045028	
Chloride	ND	20.0	1	11/04/20	11/04/20	





## Sample Data

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
11/6/2020 12:08:24PM

SB 8 @ 0-6'

E011014-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2045036
Benzene	ND	0.0250	1	11/04/20	11/05/20	
Toluene	ND	0.0250	1	11/04/20	11/05/20	
Ethylbenzene	ND	0.0250	1	11/04/20	11/05/20	
p,m-Xylene	ND	0.0500	1	11/04/20	11/05/20	
o-Xylene	ND	0.0250	1	11/04/20	11/05/20	
Total Xylenes	ND	0.0250	1	11/04/20	11/05/20	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2045036
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/04/20	11/05/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	85.5 %	70-130		11/04/20	11/05/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2045031
Diesel Range Organics (C10-C28)	ND	25.0	1	11/04/20	11/05/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/04/20	11/05/20	
Surrogate: n-Nonane	109 %	50-200		11/04/20	11/05/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE			Batch: 2045028
Chloride	ND	20.0	1	11/04/20	11/04/20	



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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## Volatile Organics by EPA 8021B

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2045036-BLK1)

Prepared: 11/04/20 Analyzed: 11/05/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.24		8.00		103	70-130			

## LCS (2045036-BS1)

Prepared: 11/04/20 Analyzed: 11/05/20

Benzene	5.27	0.0250	5.00		105	70-130			
Toluene	5.24	0.0250	5.00		105	70-130			
Ethylbenzene	5.16	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
o-Xylene	5.25	0.0250	5.00		105	70-130			
Total Xylenes	15.7	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.75		8.00		109	70-130			

## Matrix Spike (2045036-MS1)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/05/20

Benzene	5.61	0.0250	5.00	ND	112	54-133			
Toluene	5.58	0.0250	5.00	ND	112	61-130			
Ethylbenzene	5.50	0.0250	5.00	ND	110	61-133			
p,m-Xylene	11.1	0.0500	10.0	ND	111	63-131			
o-Xylene	5.58	0.0250	5.00	ND	112	63-131			
Total Xylenes	16.7	0.0250	15.0	ND	111	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.71		8.00		109	70-130			

## Matrix Spike Dup (2045036-MSD1)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/05/20

Benzene	5.44	0.0250	5.00	ND	109	54-133	3.12	20	
Toluene	5.38	0.0250	5.00	ND	108	61-130	3.80	20	
Ethylbenzene	5.29	0.0250	5.00	ND	106	61-133	3.71	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	3.75	20	
o-Xylene	5.38	0.0250	5.00	ND	108	63-131	3.72	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	3.74	20	
Surrogate: 4-Bromochlorobenzene-PID	8.58		8.00		107	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2045036-BLK1)

Prepared: 11/04/20 Analyzed: 11/05/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.82		8.00		85.3	70-130			

## LCS (2045036-BS2)

Prepared: 11/04/20 Analyzed: 11/05/20

Gasoline Range Organics (C6-C10)	41.0	20.0	50.0		82.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.08		8.00		88.5	70-130			

## Matrix Spike (2045036-MS2)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/06/20

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		8.00		86.8	70-130			

## Matrix Spike Dup (2045036-MSD2)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/06/20

Gasoline Range Organics (C6-C10)	40.4	20.0	50.0	ND	80.8	70-130	6.59	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.91		8.00		86.4	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2045031-BLK1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	52.5		50.0		105	50-200			

## LCS (2045031-BS1)

Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	460	25.0	500		92.1	38-132			
Surrogate: n-Nonane	47.7		50.0		95.5	50-200			

## Matrix Spike (2045031-MS1)

Source: E010140-01 Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	480	25.0	500	ND	96.1	38-132			
Surrogate: n-Nonane	45.4		50.0		90.7	50-200			

## Matrix Spike Dup (2045031-MSD1)

Source: E010140-01 Prepared: 11/04/20 Analyzed: 11/04/20

Diesel Range Organics (C10-C28)	469	25.0	500	ND	93.8	38-132	2.40	20	
Surrogate: n-Nonane	50.6		50.0		101	50-200			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 COM 112 Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/6/2020 12:08:24PM
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## Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2045028-BLK1)

Prepared: 11/04/20 Analyzed: 11/04/20

Chloride ND 20.0

## LCS (2045028-BS1)

Prepared: 11/04/20 Analyzed: 11/04/20

Chloride 254 20.0 250 102 90-110

## Matrix Spike (2045028-MS1)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/04/20

Chloride 12900 100 250 14000 NR 80-120 M2

## Matrix Spike Dup (2045028-MSD1)

Source: E011014-01 Prepared: 11/04/20 Analyzed: 11/04/20

Chloride 10800 100 250 14000 NR 80-120 17.6 20 M2

## QC Summary Report Comment:

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





## Definitions and Notes

Enduring Resources, LLC  
511 16th Street, Suite 700  
Denver CO, 80202

Project Name: MC 5 COM 112  
Project Number: 17065-0017  
Project Manager: Chad Snell

**Reported:**  
11/06/20 12:08

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

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

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



Project Information

Chain of Custody

Page 1 of 1

Client: <u>Enduring Resources</u> Project: <u>MC 5 Com 112</u> Project Manager: <u>Chad Snell</u> Address: <u>200 Energy Ct.</u> City, State, Zip: <u>FARMINGTON, N.M. 87411</u> Phone: <u>505-444-0586</u> Email: <u>Csnell@EnduringResources.com</u> Report due by: _____					Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____					Lab Use Only Lab WO# <u>E011014</u> Job Number <u>17005007</u> Analysis and Method DRO/DRO by 8015 <input checked="" type="checkbox"/> GRO/DRO by 8015 <input checked="" type="checkbox"/> BTX by 8021 <input checked="" type="checkbox"/> VOC by 8260 <input checked="" type="checkbox"/> Metals 6010 <input checked="" type="checkbox"/> Chloride 300.0 <input checked="" type="checkbox"/>					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/>			EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/>	
										State NM <input type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>									
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0							Remarks	
10:35	11-4-20	Soil	1	CONTAINMENT WALL	1	X	X	X			X								
10:40	11-4-20	Soil	1	O.C. NORTH WALL	2	X	X	X			X								
10:45	11-4-20	Soil	1	O.C. EAST WALL	3	X	X	X			X								
10:50	11-4-20	Soil	1	O.C. BOTTOM	4	X	X	X			X								
10:55	11-4-20	Soil	1	O.C. SOUTH WALL	5	X	X	X			X								
11:45	11-4-20	Soil	1	SB 7 @ 4'	6	X	X	X			X								
11:50	11-4-20	Soil	1	SB 8 @ 0-6"	7	X	X	X			X								
Additional Instructions: <u>vis. ice in cooler</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Chad Snell</u> 11-4-20																			
Relinquished by: (Signature) <u>Chad Snell</u> Date <u>11-4-20</u> Time <u>13:08</u>						Received by: (Signature) <u>Orlene Zappa</u> Date <u>11-04-20</u> Time <u>13:11</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.							
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N							
Relinquished by: (Signature) _____ Date _____ Time _____						Received by: (Signature) _____ Date _____ Time _____						T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4.0</u>							
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

## Envirotech Analytical Laboratory

Printed: 11/4/2020 1:42:00PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Enduring Resources, LLC	Date Received:	11/04/20 13:11	Work Order ID:	E011014
Phone:	(505) 636-9729	Date Logged In:	11/04/20 13:25	Logged In By:	Alexa Michaels
Email:	csmell@EnduringResources.com	Due Date:	11/05/20 17:00 (1 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Jeff SarvashComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
  8. If yes, was cooler received in good condition? Yes
  9. Was the sample(s) received intact, i.e., not broken? Yes
  10. Were custody/security seals present? No
  11. If yes, were custody/security seals intact? NA
  12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6°±2°C Yes
- Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collector's name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:

Chad Snell

511 16th Street, Suite 700  
Denver, CO 80202



5796 U.S. Hwy 64  
Farmington, NM 87401

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



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Enduring Resources, LLC

Project Name: MC 5 Com 112H

Work Order: E011037

Job Number: 17065-0017

Received: 11/11/2020

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/13/20

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 NM009792018-1 for data reported.  
Envirotech Inc, holds the Texas TNI certification T104704557-19-2 for data reported.

Date Reported: 11/13/20

Chad Snell  
511 16th Street, Suite 700  
Denver, CO 80202



Project Name: MC 5 Com 112H  
Workorder: E011037  
Date Received: 11/11/2020 2:25:00PM

Chad Snell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/11/2020 2:25:00PM, under the Project Name: MC 5 Com 112H.

The analytical test results summarized in this report with the Project Name: MC 5 Com 112H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Lopez**  
Laboratory Administrator  
Office: 505-632-1881  
[rlopez@envirotech-inc.com](mailto:rlopez@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



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**Sample Summary**

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	<b>Reported:</b> 11/13/20 12:29
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
O.C East Wall	E011037-01A	Soil	11/11/20	11/11/20	Glass Jar, 4 oz.



## Sample Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/13/2020 12:29:55PM
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## O.C East Wall

## E011037-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Benzene	ND	0.0250	1	11/12/20	11/12/20	
Toluene	ND	0.0250	1	11/12/20	11/12/20	
Ethylbenzene	ND	0.0250	1	11/12/20	11/12/20	
p,m-Xylene	ND	0.0500	1	11/12/20	11/12/20	
o-Xylene	ND	0.0250	1	11/12/20	11/12/20	
Total Xylenes	ND	0.0250	1	11/12/20	11/12/20	
Surrogate: 4-Bromochlorobenzene-PID	105 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY			Batch: 2046028
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/12/20	11/12/20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		11/12/20	11/12/20	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: JL			Batch: 2046025
Diesel Range Organics (C10-C28)	ND	25.0	1	11/12/20	11/12/20	
Oil Range Organics (C28-C35)	ND	50.0	1	11/12/20	11/12/20	
Surrogate: n-Nonane	73.5 %	50-200		11/12/20	11/12/20	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: NE			Batch: 2046029
Chloride	148	20.0	1	11/12/20	11/12/20	



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/13/2020 12:29:55PM
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## Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046028-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	ND	0.0250							
Toluene	ND	0.0250							
Ethylbenzene	ND	0.0250							
p,m-Xylene	ND	0.0500							
o-Xylene	ND	0.0250							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.27		8.00		103	70-130			

## LCS (2046028-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	5.17	0.0250	5.00		103	70-130			
Toluene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.10	0.0250	5.00		102	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
Total Xylenes	15.5	0.0250	15.0		103	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.81		8.00		110	70-130			

## Matrix Spike (2046028-MS1)

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	5.39	0.0250	5.00	ND	108	54-133			
Toluene	5.39	0.0250	5.00	ND	108	61-130			
Ethylbenzene	5.32	0.0250	5.00	ND	106	61-133			
p,m-Xylene	10.8	0.0500	10.0	ND	108	63-131			
o-Xylene	5.38	0.0250	5.00	ND	108	63-131			
Total Xylenes	16.2	0.0250	15.0	ND	108	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.81		8.00		110	70-130			

## Matrix Spike Dup (2046028-MSD1)

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Benzene	5.21	0.0250	5.00	ND	104	54-133	3.53	20	
Toluene	5.18	0.0250	5.00	ND	104	61-130	3.96	20	
Ethylbenzene	5.13	0.0250	5.00	ND	103	61-133	3.76	20	
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131	3.83	20	
o-Xylene	5.17	0.0250	5.00	ND	103	63-131	3.86	20	
Total Xylenes	15.6	0.0250	15.0	ND	104	63-131	3.84	20	
Surrogate: 4-Bromochlorobenzene-PID	8.76		8.00		110	70-130			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/13/2020 12:29:55PM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046028-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.22		8.00		90.3	70-130			

## LCS (2046028-BS2)

Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.2	70-130			

## Matrix Spike (2046028-MS2)

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	45.5	20.0	50.0	ND	91.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			

## Matrix Spike Dup (2046028-MSD2)

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Gasoline Range Organics (C6-C10)	43.6	20.0	50.0	ND	87.3	70-130	4.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			





## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/13/2020 12:29:55PM
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## Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2046025-BLK1)

Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C35)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.9	50-200			

## LCS (2046025-BS1)

Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	456	25.0	500		91.2	38-132			
Surrogate: n-Nonane	47.8		50.0		95.6	50-200			

## Matrix Spike (2046025-MS1)

Source: E011023-01 Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	484	25.0	500	ND	96.8	38-132			
Surrogate: n-Nonane	37.3		50.0		74.5	50-200			

## Matrix Spike Dup (2046025-MSD1)

Source: E011023-01 Prepared: 11/12/20 Analyzed: 11/12/20

Diesel Range Organics (C10-C28)	467	25.0	500	ND	93.3	38-132	3.64	20	
Surrogate: n-Nonane	32.3		50.0		64.7	50-200			



## QC Summary Data

Enduring Resources, LLC 511 16th Street, Suite 700 Denver CO, 80202	Project Name: MC 5 Com 112H Project Number: 17065-0017 Project Manager: Chad Snell	Reported: 11/13/2020 12:29:55PM
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### Anions by EPA 300.0/9056A

Analyst: NE

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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**Blank (2046029-BLK1)**

Prepared: 11/12/20 Analyzed: 11/12/20

Chloride ND 20.0

**LCS (2046029-BS1)**

Prepared: 11/12/20 Analyzed: 11/12/20

Chloride 253 20.0 250 101 90-110

**Matrix Spike (2046029-MS1)**

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Chloride 415 20.0 250 148 107 80-120

**Matrix Spike Dup (2046029-MSD1)**

Source: E011037-01 Prepared: 11/12/20 Analyzed: 11/12/20

Chloride 425 20.0 250 148 111 80-120 2.37 20

**QC Summary Report Comment:**

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



**Definitions and Notes**

Enduring Resources, LLC	Project Name:	MC 5 Com 112H	
511 16th Street, Suite 700	Project Number:	17065-0017	<b>Reported:</b>
Denver CO, 80202	Project Manager:	Chad Snell	11/13/20 12:29

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

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

[illegible]

## Envirotech Analytical Laboratory

Printed: 11/11/2020 2:33:01PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client: Enduring Resources, LLC  
 Phone: (505) 636-9729  
 Email: csnell@EnduringResources.com

Date Received: 11/11/20 14:25  
 Date Logged In: 11/11/20 14:27  
 Due Date: 11/12/20 17:00 (1 day TAT)

Work Order ID: E011037  
 Logged In By: Alexa Michaels

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time?  
 Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold times are not included in this discussion. Yes

Carrier: Chad SnellComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temperature is 4°C, i.e., 6°±2°C  
 Note: Thermal preservation is not required, if samples are received w/in 15 minutes of sampling. Yes
13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:  
 Sample ID? Yes  
 Date/Time Collected? Yes  
 Collector's name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



**District I**

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

**District II**

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

**District III**

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

**District IV**

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

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

CONDITIONS

Action 12894

**CONDITIONS**

Operator: ENDURING RESOURCES, LLC 6300 S Syracuse Way, Suite 525 Centennial, CO 80111	OGRID: 372286
	Action Number: 12894
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	Deferral approved. Required to remediate & reclaim after well plug & abandonment per 19.15.29.12C (2) & 19.15.29.13D (1).	6/13/2022