

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	NRM2006951654
Facility ID	
Application ID	

## 2020-02-27 58481WQU Pipeline 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?	<50 (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 checked="" type="checkbox"/> Yes <input 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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.

Form C-141

State of New Mexico  
Oil Conservation Division

Page 2

Incident ID	
District RP	NRM2006951654
Facility ID	
Application ID	

**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 (Not applicable - summarized in pictures and tables)
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs (Not applicable)
- 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.

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: Jon E. Fields

Title: Director, Field Environmental

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

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

email: jefields@eprod.com

Telephone: 713-381-6684

**OCD Only**

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

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

Form C-141

State of New Mexico

Page 3

Oil Conservation Division

Incident ID	
District RP	NRM2006951654
Facility ID	
Application ID	

## Closure: 2020-02-27 58481WQU Pipeline

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

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

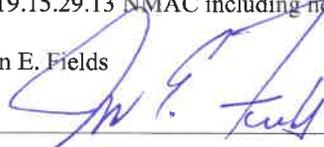
- A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- Laboratory analyses of final sampling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

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

Printed Name: Jon E. Fields

Title: Director, Field Environmental

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



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

5/21/2020

email: jefields@eprod.com

Telephone: 713-381-6684

**OCD Only**

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

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

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

Closure Approved by: \_\_\_\_\_

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

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

Title: \_\_\_\_\_



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

May 12, 2020

#5E28981-BG3

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

SUBJECT: Remediation Closure Report for the 58481WQU Pipeline Release (Incident ID-NRM2006951654), Eddy County, New Mexico

Dear Mr. Hamlet:

On behalf of Enterprise Field Services LLC, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the 58481WQU Pipeline. The site is in Unit H, Section 20 Township 22S, Range 26E, Eddy County, New Mexico, on privately owned land. Figure 1 illustrates the vicinity and site location on an USGS 7.5 minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

<b>Table 1: Release Information and Closure Criteria</b>			
Name	58481WQU Pipeline	Company	Enterprise Field Services LLC
API Number	N/A	Location	32.379200, -104.308361
Incident Number	NRM2006951654		
Estimated Date of Release	2/27/2020	Date Reported to NMOCD	3/4/2020
Land Owner	Privately Owned	Reported To	NMOCD District 2
Source of Release	Internal Corrosion and Pipe Failure		
Released Volume	Natural Gas- 374.6 MCF Pipeline Liquids- 3 bbls	Released Material	Natural Gas & Pipeline Liquids
Recovered Volume	Natural Gas- 0 MCF Pipeline Liquids- 0 bbls	Net Release	Natural Gas- 374.6 MCF Pipeline Liquids- 3 bbls
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	2/28-3/27/2020		

58481WQU Pipeline Remediation Closure Report (NRM2006951654)  
May 12, 2020

Page 2 of 5

## **1.0 Background**

On February 27, 2020, a release was discovered at the 58481WQU Pipeline due to internal corrosion which lead to pipe failure. The force of the high pressure released when the buried pipeline failed caused removal of material for an area approximately eight feet by ten feet by ten feet deep surrounding the release point. An area approximately 230 feet by 160 feet was impacted by overspray of gas and pipeline fluids. The release point was approximately ten feet north from a caliche road that crossed the draw in which the release occurred. To accommodate water flow in the draw during flood events, two culverts had been installed under the road. These culverts allowed pipeline fluids that had pooled at the surface to flow south underneath, but not inside, of the culverts themselves to impact an area approximately 107 feet south of the release point. In addition, fluids also flowed north along the draw for approximately 48 feet. Initial response activities were conducted by Enterprise Field Services LLC and SMA, and included source elimination and site security by stopping flow to the pipeline and erecting a temporary fence around the release point. Released contaminants were contained by placing absorbent booms to soak up and prevent the further spread of pipeline fluids. No fluids were recovered, however, approximately 1,919.12 tons of contaminated soil were excavated and hauled to and disposed of at Lea Land LLC in Lea County, NM. Figure 1 illustrates the vicinity and site location, Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

## **2.0 Site Information and Closure Criteria**

The 58481WQU Pipeline is located approximately 5.5 miles southwest of Carlsbad, New Mexico on privately-owned land at an elevation of approximately 3,332 feet above mean sea level (amsl).

Based upon New Mexico Office of the State Engineer water well data (Appendix B), depth to groundwater in the area is estimated to be 164 feet below grade surface (bgs).

There are no known water sources within ½-mile of the location, however, there are six within 1.7 miles according to the New Mexico Office of the State Engineer (NMOSE) online water well database ([https://gis.ose.state.nm.us/gisapps/ose\\_pod\\_locations/](https://gis.ose.state.nm.us/gisapps/ose_pod_locations/); accessed 2/28/2020). The nearest significant watercourse is Little McKittrick Draw, located approximately 900 feet to the southeast. The release itself occurred in a tributary which flows directly to Little McKittrick Draw. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

## **3.0 Release Characterization and Remediation Activities**

At the request of Enterprise Field Services LLC, SMA personnel were present on site in response to the release associated with the 58481WQU Pipeline on the following dates: 2/28/2020, 3/2/2020, 3/3/2020, 3/5/2020, 3/6/2020, 3/9/2020-3/13/2020, 3/16/2020, 3/17/2020, 3/19/2020, 3/25/2020-3/27/2020, and 4/1/2020. SMA performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. Soil samples were field-screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp.

58481WQU Pipeline Remediation Closure Report (NRM2006951654)  
May 12, 2020

Page 3 of 5

Because the incident occurred on private land, plus was in a tributary that flows directly to a significant watercourse, and is located within a 100-year floodplain, Enterprise Field Services LLC wished to have the release remediated and reclaimed as expediently as possible. Therefore, excavation began on the Monday following discovery of the release, and delineation took place concurrently with excavation. When field screens indicated that closure criteria had been met for that portion of the excavation, confirmation samples were collected in accordance with 19.15.29.12 NMAC and sent for laboratory analysis. A total of 37 samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Because of the large extent of the release area and the variability of depth of impacted soils, the excavation was divided into four main areas: the overspray area, south of the road, north of the road, and under the road culverts.

### **3.1 Overspray Area (Figure 3a)**

On 3/2/2020, SMA guided the excavation of the oversprayed area, which comprised an area approximately 230 feet by 160 feet by 3 inches deep. SMA guided excavation activities by collecting soil samples for field screening. Samples were screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. The area only required about a 3-inch scrape at which point field screening results indicated that the NMOCD Closure Criteria was met. Because such a large area was impacted by overspray, sampling in accordance with 19.15.29.12 NMAC and abiding by the "200 square-foot rule" was impractical due to the large number of samples that would be required. Instead, SMA used an alternate sampling plan that was generated using Visual Sample Plan (VSP) software in which an algorithm was used to calculate the number and location of samples that would be statistically viable to comprehensively analyze the impacted area. A total of seven (7) confirmation samples (BS1-BS7) were collected and sent for laboratory analysis. A summary of methods, a sample location map, and the algorithm that was used to generate this sample plan is included in Appendix C.

### **3.2 South Side of Road (Figure 3b)**

On March 5 and 6, 2020, excavation of the impacted area on the south side of the road was conducted. At this area, pipeline fluids ran under the road culverts to pool and impact an area roughly 25 feet by 25 feet by 12 feet deep. In addition, contaminants flowed south down the draw to impact an area approximately 40 feet by 25 feet by three feet deep. SMA guided excavation in this area by collecting soil samples that were field screened using the methods listed above. When field screens indicated that NMOCD Closure Criteria had been met, confirmation samples were then collected. A total of 12 confirmation samples consisting of both sidewalls (South SW1-South SW9) and five-point composites of the base (South BS1-South BS3) were collected for this area and sent for laboratory analysis using the methods listed above.

### **3.3 North Side of Road (Figure 3b)**

Between March 9 and 26, 2020, excavation of the impacted area on the north side of the road was conducted. This included the area immediately surrounding the release point, areas in the draw and next to the road that were impacted by overspray, as well as where fluids pooled and ran north along the draw. SMA guided the excavation of this area by collecting soil samples that were field screened using the methods listed above. The extent of the excavation in this area was approximately 47 feet by 19 feet by

58481WQU Pipeline Remediation Closure Report (NRM2006951654)  
May 12, 2020

Page 4 of 5

11 feet deep around the release point. In addition, the area next to the road that was impacted by overspray was excavated to approximately 28 feet by 11 feet by 4 feet deep. When field screens indicated that NMOCD Closure Criteria had been met, confirmation samples were collected consisting of both sidewalls and five-point composites of the base. A total of ten sidewall samples (North SW1- North SW10) and four five-point composite base samples (North BS1- North BS4) were sent for laboratory analysis.

### **3.4 Under Road Culverts (Figure 3b)**

On March 26 and 27, 2020, SMA guided excavation where pipeline fluids flowed under the road culverts by collecting samples for field screening. This involved digging out and removing the culverts and then excavation of the contaminated material that flowed underneath the culverts. The final extent of this excavation was approximately 22 feet by 11 feet by seven (7) feet deep. When field screens indicated that NMOCD Closure Criteria had been met, confirmation samples were collected consisting two sidewall samples (Road SW1-Road SW2) and two five-point composite base samples (Road BS1-Road BS2).

Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratory in Farmington, New Mexico (Appendix D).

Figures 3a and 3b shows the extent of the excavation and sample locations. All field laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at Leal Land LLC in Lea County, NM, an NMOCD permitted disposal facility.

### **5.0 Scope and Limitations**

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

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-9241 or Shawna Chubbuck at 505-325-7535.

Submitted by:  
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Ashley Maxwell  
Project Scientist



Shawna Chubbuck  
Senior Scientist

58481WQU Pipeline Remediation Closure Report (NRM2006951654)  
May 12, 2020

Page 5 of 5

**ATTACHMENTS:**

**Figures:**

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map

Figure 3a: Site and Sample Location Map of Entire Release Area

Figure 3b: Site and Sample Location Map of Areas North and South of Road

**Tables:**

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Sample Results

**Appendices:**

Appendix A: Form C141

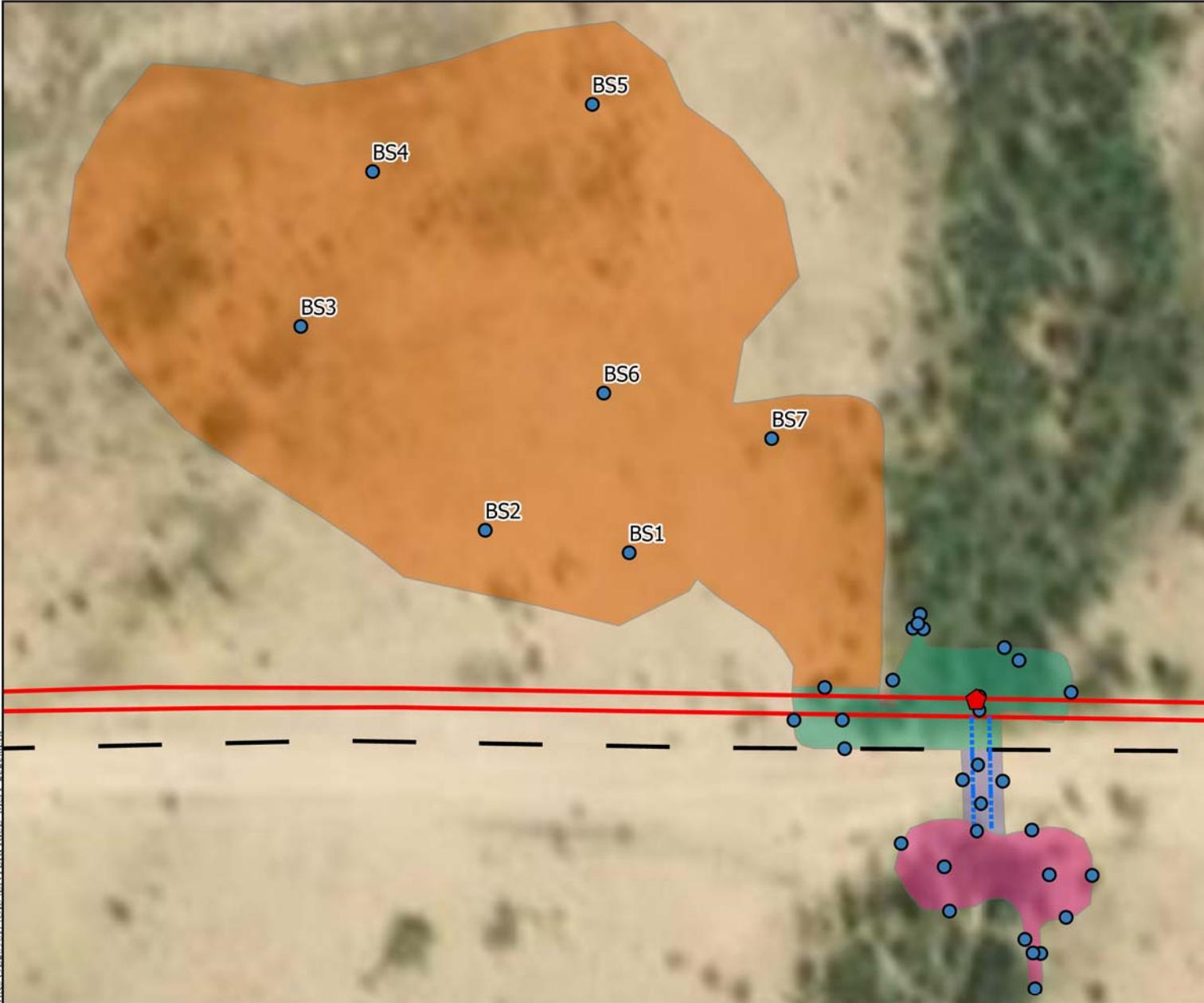
Appendix B: NMOSE Wells Report

Appendix C: VSP Sampling Protocol

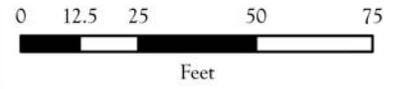
Appendix D: Laboratory Analytical Reports

Appendix E: Photolog

# FIGURES



- ◆ Point of Release
  - Soil Sample
  - Pipeline
  - - - Road
  - - - - - Culverts
- DESCRIPTION
- Overspray- 3 in. deep
  - North- 3-11 ft. deep
  - South- 3-12 ft. deep
  - Road- 7 ft. deep



Site and Sample Location Map of Entire Release Area  
 58481WQU Pipeline- Enterprise Field Services LLC  
 Eddy County, New Mexico

Figure 3a

P:\5-Enterprise 2020\MSA On-Call Services (58481WQU)\GIS\ENTERPRISE\_MSA\_2020.mxd

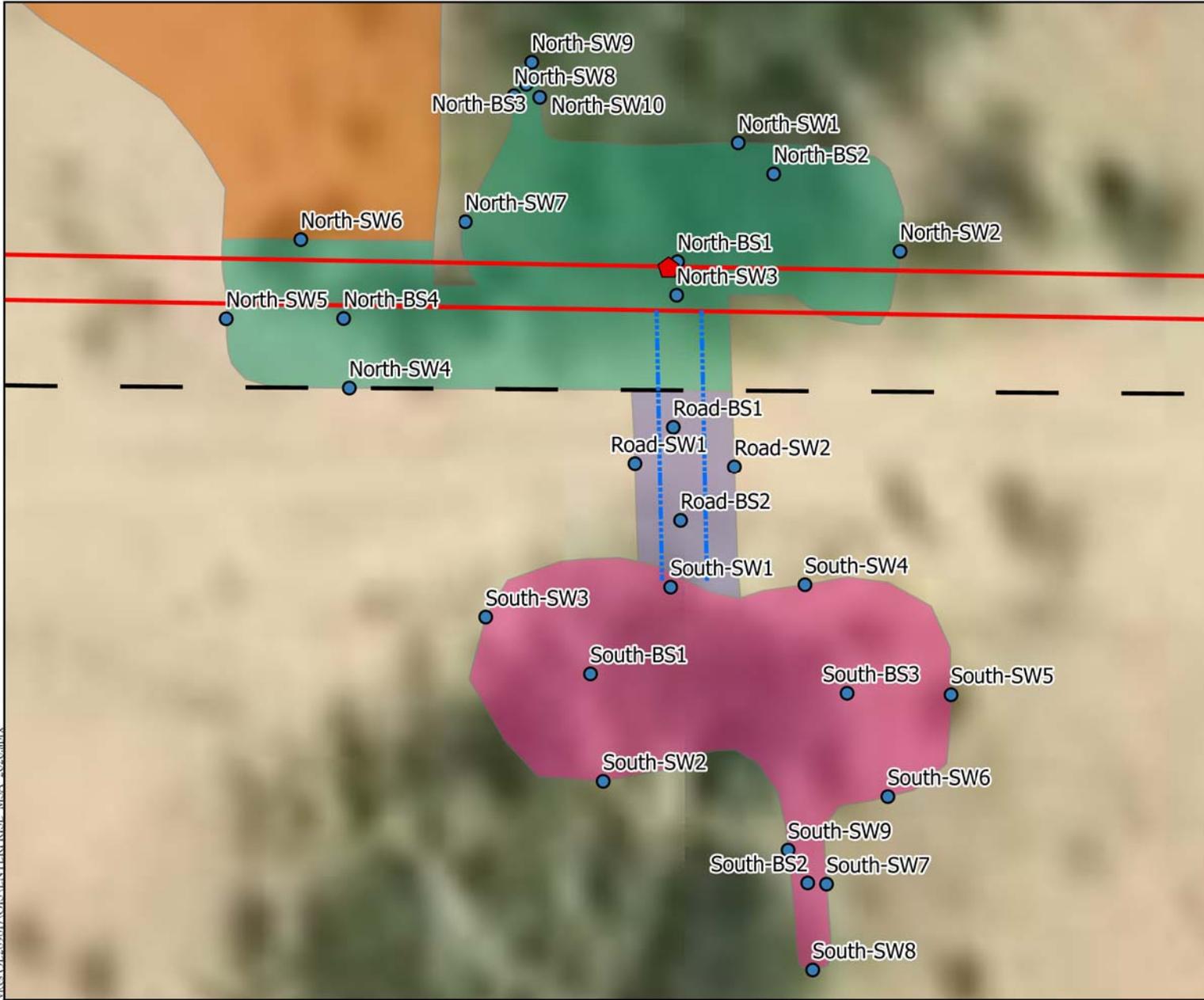
Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

© Souder, Miller & Associates, 2020, All Rights Reserved

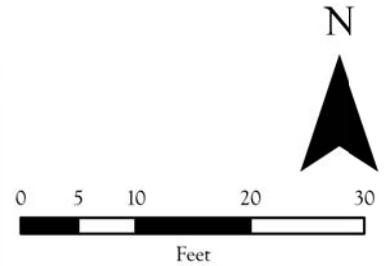
Drawn	Brent Jackson
Date	4/21/2020
Checked	_____
Approved	_____



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



- Point of Release
  - Soil Sample
  - Pipeline
  - Road
  - Culverts
- DESCRIPTION
- Overspray- 3 in. deep
  - North- 3-11 ft. deep
  - South- 3-12 ft. deep
  - Road- 7 ft. deep



Site and Sample Location Map of Areas North and South of Road  
 58481WQU Pipeline- Enterprise Field Services LLC  
 Eddy County, New Mexico

Figure 3b

P:\5 Enterprise 2020\MSA On Call Services (5E28981)\GIS\ENTERPRISE\_MSA\_2020.mxd

Date Saved:  
4/14/2020

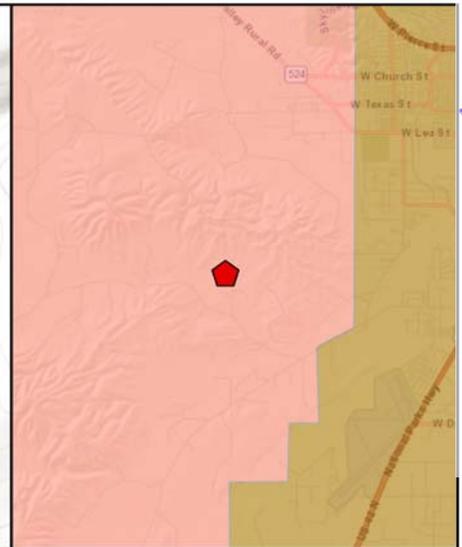
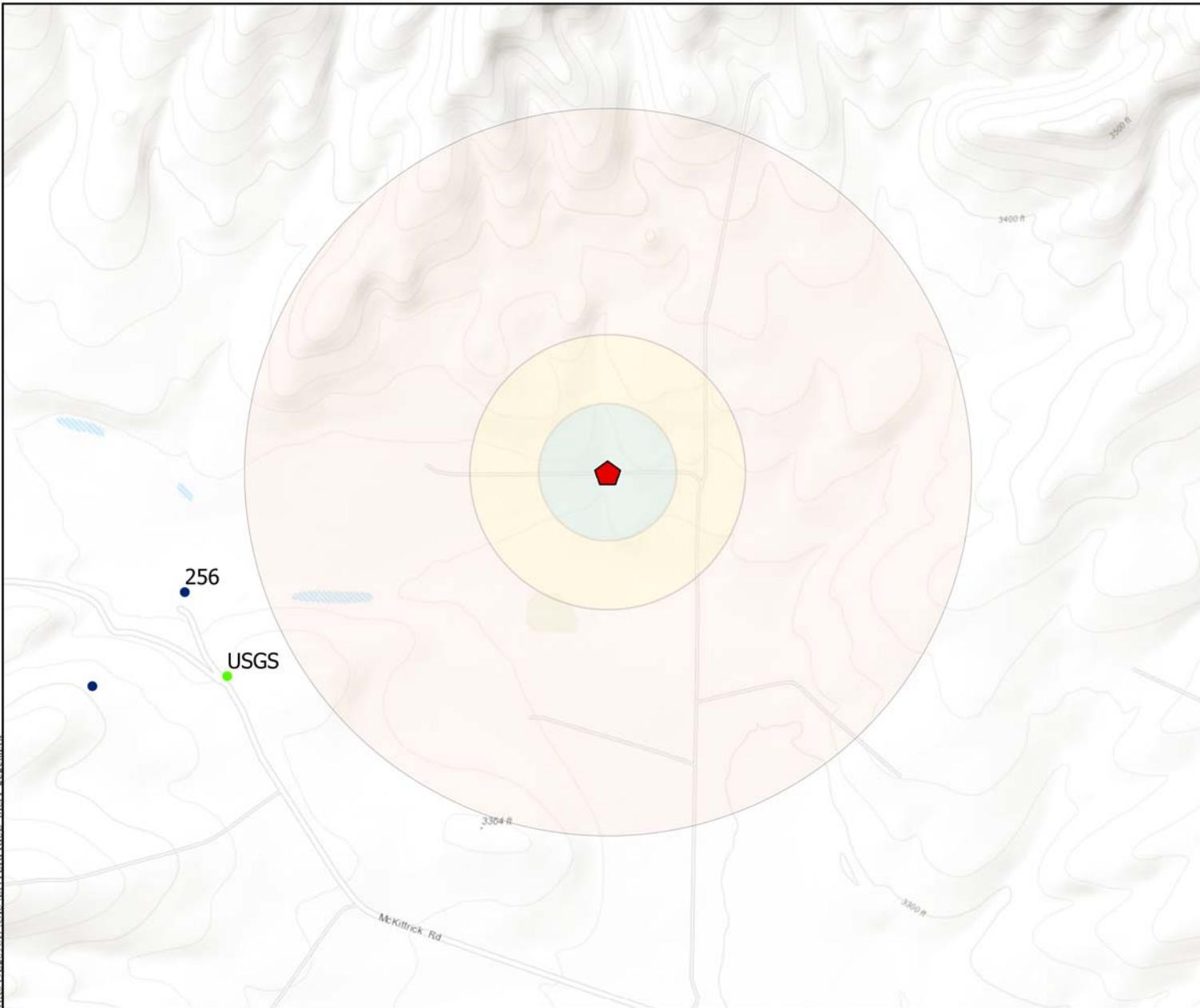
Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

Drawn	Brent Jackson
Date	4/21/2020
Checked	_____
Approved	_____



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

© Souder, Miller & Associates, 2020, All Rights Reserved



**Buffer Distance**

- .5 Mile
- 1000 Feet
- 500 Feet
- OSE Depth to GW
- USGS GW Well
- Point of Release

**Karst Potential**

- Critical
- High
- Medium
- Low

N

0    362.5    725    1,450    2,175  
Feet

**Site Map**  
 58481WQU Pipeline - Enterprise Field Services LLC  
 Eddy County, New Mexico

Figure 1

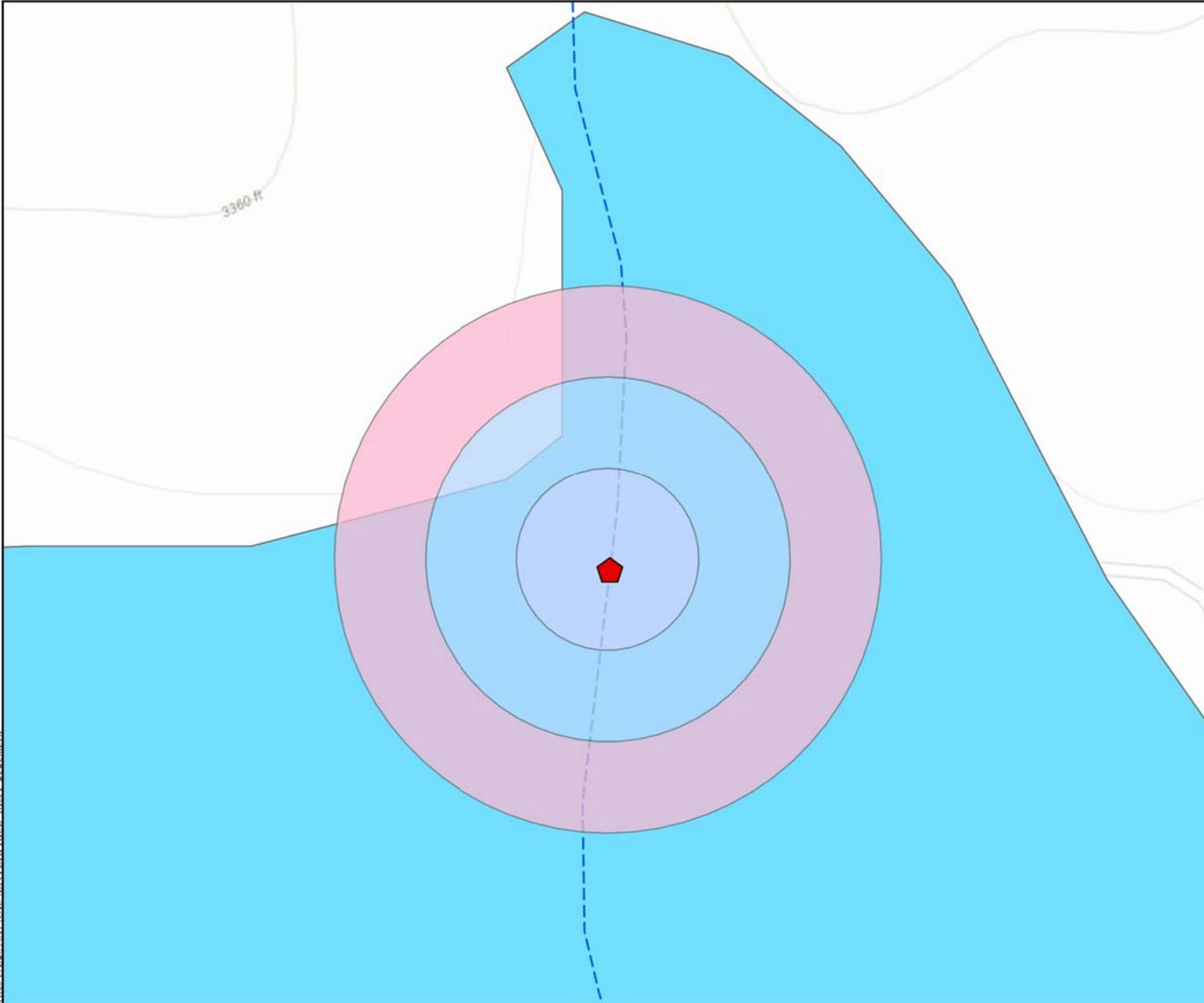
Revisions		
By: _____	Date: _____	Descr: _____
By: _____	Date: _____	Descr: _____

© Souder, Miller & Associates, 2020, All Rights Reserved

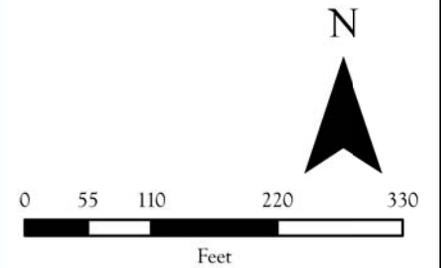
Drawn	Brent Jackson
Date	4/14/2020
Checked	_____
Approved	_____



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



- Buffer Distance**
- 300 Feet
  - 200 Feet
  - 100 Feet
  - Springs & Seeps
  - Streams & Canals
  - Rivers
  - Flowlines SENM
  - NM Wetlands
  - Lakes & Playas
  - FEMA Flood Zones 2011
  - Point of Release



Surface Water Protection Map  
58481WQU Pipeline - Enterprise Field Services LLC  
Eddy County, New Mexico

Figure 2

P:\5 Enterprise 2020\MSA On Call Services (5E2891D)\GIS\ENTERPRISE\_MSA\_2020.mxd

Date Saved:  
4/14/2020

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

Drawn	Brent Jackson
Date	4/14/2020
Checked	_____
Approved	_____



© Souder, Miller & Associates, 2020, All Rights Reserved

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

# TABLES

Table 2:  
NMOCD Closure Criteria

Enterprise Field Services LLC  
58481WQU Pipeline (NRM2006951654)

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)		Source/Notes				
Depth to Groundwater (feet bgs)	164					
Horizontal Distance From All Water Sources Within 1/2 Mile (ft)	N/A	Six water sources within 1.7 miles				
Horizontal Distance to Nearest Significant Watercourse (ft)	900 feet	Little McKittrick Draw 900 ft to SE (USGS Topo Map)				
Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater		Closure Criteria (units in mg/kg)				
		Chloride *numerical limit or background, whichever is greater	TPH	GRO + DRO	BTEX	Benzene
< 50' BGS	X	600	100		50	10
51' to 100'		10000	2500	1000	50	10
>100'		20000	2500	1000	50	10
Surface Water		if yes, then				
<300' from continuously flowing watercourse or other significant watercourse?	Yes	600	100		50	10
<200' from lakebed, sinkhole or playa lake?	No					
Water Well or Water Source						
<500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No					
<1000' from fresh water well or spring?	No					
Human and Other Areas						
<300' from an occupied permanent residence, school, hospital, institution or church?	No					
within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100' from wetland?						
within area overlying a subsurface mine	No					
within an unstable area?	Yes (High Karst)					
within a 100-year floodplain?	Yes					

Table 3:  
Summary of Sample Results

Enterprise Field Services LLC  
58481WQU Pipeline (NRM2006951654)

Sample ID	Sample Date	Depth (feet bgs)	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg	Project 19026-0001 Laboratory Sample Number
NMOCD Closure Criteria			50	10	100			100	600	
<b>Overspray Area</b>										
BS1	3/2/2020	Surface	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20	P003014-01
BS2		Surface	<0.1	<0.025	<20.0	<b>38.5</b>	<50.0	<b>38.5</b>	<b>41.3</b>	P003014-02
BS3		Surface	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003014-03
BS4		Surface	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003014-04
BS5		Surface	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003014-05
BS6		Surface	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003014-06
BS7	3/27/2020	Surface	<0.1	<0.025	<20.0	<b>40</b>	<50.0	<b>40</b>	<b>46.2</b>	P003136-05A
<b>South Side of Road</b>										
South-SW1	3/5/2020	0-12	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003042-01
South-SW2		0-12	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003042-02
South-SW3		0-12	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003042-03
South-SW4	3/6/2020	0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>30.4</b>	P003065-01A
South-SW5		0-3	<0.1	<0.025	<20.0	<b>25.7</b>	<50.0	<b>25.7</b>	<20.0	P003065-02A
South-SW6		0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003065-03A
South-SW7		0-3	<0.1	<0.025	<20.0	<b>46.2</b>	<50.0	<b>46.2</b>	<b>24.6</b>	P003065-04A
South-SW8		0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003065-05A
South-SW9		0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003065-06A
South-BS1	3/5/2020	12	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003042-04
South-BS2	3/6/2020	3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003065-07A
South-BS3		3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>28</b>	P003065-08A
<b>North Side of Road</b>										
North-SW1	3/13/2020	0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003090-03
North-SW2		0-5	<0.1	<0.025	<20.0	<b>26.4</b>	<50.0	<b>26.4</b>	<20.0	P003089-03
North-SW3		5-12	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003089-01
North-SW4	3/26/2020	0-5	<0.1	<0.025	<20.0	<b>50.6</b>	<50.0	<b>50.6</b>	<b>185</b>	P003030-03
North-SW5		0-2.5	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>291</b>	P003030-02
North-SW6		0-3	<0.1	<0.025	<20.0	<b>155</b>	<b>130</b>	<b>285</b>	<b>193</b>	P003130-01
North-SW7	4/1/2020	0-3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>118</b>	P004007-01
North-SW8		0-10	<0.1	<0.025	<20.0	<b>33.3</b>	<50.0	<b>33.3</b>	<b>40</b>	P003089-02
North-SW9		0-5	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003089-04
North-SW10		0-5	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003089-05
North-BS1	3/16/2020	11	<0.1	<0.025	<20.0	<b>26.1</b>	<50.0	<b>26.1</b>	<b>79.7</b>	P003090-01

Table 3:  
Summary of Sample Results

Enterprise Field Services LLC  
58481WQU Pipeline (NRM2006951654)

Sample ID	Sample Date	Depth (feet bgs)	BTEX mg/Kg	Benzene mg/Kg	GRO mg/Kg	DRO mg/Kg	MRO mg/Kg	Total TPH mg/Kg	Cl- mg/Kg	Project 19026-0001 Laboratory Sample Number
NMOCD Closure Criteria			50	10	100			100	600	
North-BS2	3/16/2020	3	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003090-02
North-BS3	3/19/2020	6.5	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<20.0	P003111-01A
North-BS4	3/26/2020	5	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>39</b>	P003130-04
<b>Under Road Culverts</b>										
Road-SW1	3/27/2020	0-7	<0.1	<0.025	<20.0	<b>59.3</b>	<50.0	<b>59.3</b>	<b>120</b>	P003136-04A
Road-SW2		0-7	<0.1	<0.025	<20.0	<b>32.1</b>	<50.0	<b>32.1</b>	<b>55.9</b>	P003136-03A
Road-BS1		7	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>28.6</b>	P003136-02A
Road-BS2		7	<0.1	<0.025	<20.0	<25.0	<50.0	<95.0	<b>23.3</b>	P003136-01A

"-" = Not Analyzed

\* = per Reclamation Standard (19.15.29.13.D(1) NMAC)

APPENDIX A  
FORM C141

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

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

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

Incident ID	NRM2006951654
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Enterprise Field Services LLC	OGRID	241602
Contact Name	Alena Miro	Contact Telephone	575-628-6802
Contact email	ammiro@eprod.com	Incident # (assigned by OCD)	
Contact mailing address	PO Box 4324, Houston, TX 77210		

### Location of Release Source

Latitude N32.379200 Longitude W -104.308361  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	58481WQU Pipeline	Site Type	Pipeline ROW
Date Release Discovered	2/27/2020	API# (if applicable)	N/A

Unit Letter	Section	Township	Range	County
H	20	22S	26E	Eddy

Surface Owner:  State  Federal  Tribal  Private : Patricia Rayroux

### Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls) 0 bbls
<input checked="" type="checkbox"/> Natural Gas	Volume Released (Mcf) 374.6 MCF	Volume Recovered (Mcf) 0 MCF
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 3 bbl - Pipeline Liquids	Volume/Weight Recovered (provide units)

#### Cause of Release

A pipeline leak estimated at 369.7 MSCF of gas and 3 bbl of pipeline liquids occurred due to suspected internal corrosion and 4.9 MSCF of gas was released due to a controlled pipeline blowdown to facilitate repairs.

Form C-141

State of New Mexico  
Oil Conservation Division

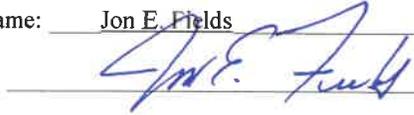
Page 2

Incident ID	NRM2006951654
District RP	
Facility ID	
Application ID	

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

### Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:  N/A
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>Jon E. Fields</u> Title: <u>Director, Field Environmental</u> Signature:  Date: <u>3/4/2020</u> email: <u>jefields@eprod.com</u> Telephone: <u>713-381-6684</u>
<b><u>OCD Only</u></b> Received by: <u>Ramona Marcus</u> Date: <u>3/9/2020</u>



# APPENDIX B

## NMOSE WELLS REPORT



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)  
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column	
<a href="#">C 01404</a>	C	ED		1	2	3	20	22S	26E	564129	3582405*	970	256	256	0	
<a href="#">C 02168</a>	C	ED		1	3	1	28	22S	26E	565337	3581231*	1471	206	140	66	
<a href="#">C 02876</a>	C	ED		4	3	2	28	22S	26E	566332	3581028*	2081	505	187	318	
<a href="#">C 01513</a>	C	ED					1	22	22S	26E	567235	3582937*	2189	156	90	66
<a href="#">C 01788</a>	C	ED		4	2	4	30	22S	26E	563521	3580571*	2608	170	150	20	
<a href="#">C 02855</a>	CUB	ED		1	1	2	32	22S	26E	564529	3579996*	2732	127			

Average Depth to Water: **164 feet**  
 Minimum Depth: **90 feet**  
 Maximum Depth: **256 feet**

**Record Count:** 6

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 565060.63

**Northing (Y):** 3582676.44

**Radius:** 3000

\*UTM location was derived from PLSS - see Help

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

2/28/20 11:16 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

# APPENDIX C

## VSP SAMPLING PROTOCOL

### VSP Sample Design Report for Using Stratified Sampling to Estimate the Population Proportion

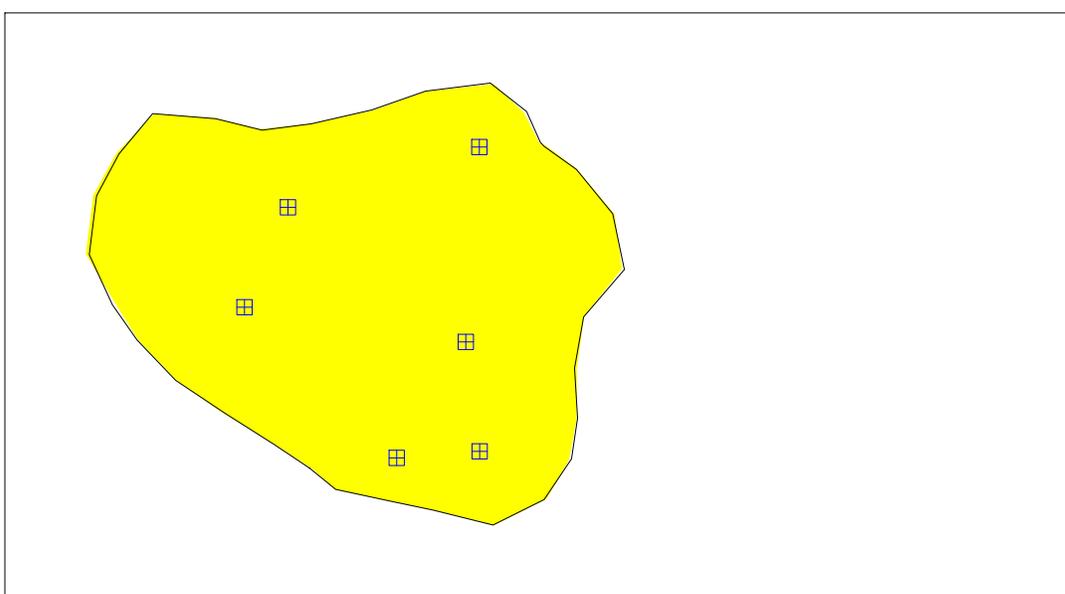
#### Summary

This report summarizes the stratified sampling design used, associated statistical assumptions, as well as general guidelines for conducting post-sampling data analysis. Sampling plan components presented here include how many sampling locations to choose and where within the sampling area to collect those samples. The type of medium to sample (i.e., soil, groundwater, etc.) and how to analyze the samples (in-situ, fixed laboratory, etc.) are addressed in other sections of the sampling plan. It is important to note that the decision for sample size calculation is determined for the combined strata, rather than any individual strata.

The following table summarizes the proportion stratified sampling design developed. A figure that shows sampling locations in the field and a table that lists sampling location coordinates are also provided below.

SUMMARY OF SAMPLING DESIGN	
Primary Objective of Design	Estimate the population proportion of all strata combined
Criteria for Determining Total Number of Samples	Achieve pre-specified precision of the estimated proportion for specified stratum costs, but no restriction on total costs
Sample Placement (Location) in the Field	Random sampling within grids within each stratum
Formula for calculating number of sampling locations	From Gilbert (1987, page 51)
Method for calculating number of sampling locations in each stratum	Optimal Allocation
Calculated total number of samples	6
Stratum 1	6
Total area of all strata	2893.38 m <sup>2</sup>
Total cost of sampling <sup>a</sup>	

<sup>a</sup> Including measurement analyses and fixed overhead costs. See the Cost of Sampling section for an explanation of the costs presented here.



**Area: Area 1**

X Coord	Y Coord	Label	Value	Type	Historical	Sample Area
-11611596.8279	3813204.2043			Random in Grid		
-11611585.8526	3813205.0622			Random in Grid		
-11611616.9742	3813224.1726			Random in Grid		
-11611611.2376	3813237.4032			Random in Grid		
-11611587.6770	3813219.5842			Random in Grid		
-11611585.8972	3813245.3986			Random in Grid		

**Primary Sampling Objective**

The primary purpose of sampling at this site is to estimate the proportion for the entire site, i.e., for all strata combined, such that the estimated proportion has the minimum possible standard deviation under the condition that the sampling and measurement costs cannot exceed a specified amount. Preexisting information was used to divide the site into 1 non-overlapping strata that were expected to be more homogeneous internally than for the entire site (all strata combined). The expected variability of values within each stratum was estimated or approximated, and the stratum weights,  $W_h$ , were determined so that the total number of samples could be allocated appropriately among the strata.

**Number of Total Samples: Calculation Equation and Inputs**

The total number of samples is computed to achieve the pre-specified precision of the estimated population proportion for specified stratum costs, but no restriction on total costs. *Note that the calculation is for the total number of samples, i.e., for combined strata, rather than individual strata.*

The formula used to calculate the total number of samples is:

$$n = \frac{\left( \sum_{h=1}^L W_h \sqrt{P_h(1-P_h)} \sqrt{c_h} \right) \sum_{h=1}^L \frac{W_h \sqrt{P_h(1-P_h)}}{\sqrt{c_h}}}{V + \frac{1}{N} \sum_{h=1}^L W_h P_h (1-P_h)}$$

where

- $L$  is the number of strata,  $h=1,2,\dots,L$ ,
- $P_h$  is the estimated proportion of measurements in stratum  $h$ ,
- $W_h = N_h / N$  is the weight associated with stratum  $h$ ,
- $N_h$  is the total number of possible sampling locations (units) in stratum  $h$ ,
- $N$  is the total number of possible units in all strata combined,  $N = \sum_{h=1}^L N_h$

- $V$  is the pre-specified variance or precision, and
- $c_h$  is the cost of collecting and measuring a sample in stratum  $h$ .

The values of these inputs that result in the calculated number of sampling locations are:

Parameter	Stratum
	1
$P_h$	0.2
$C_h$	
$W_h$	2893.38

Parameter	Input Value
$V$	1

**Allocation of Samples to Strata**

The total number of samples is allocated to the individual strata on an optimal basis using the formula:

$$n_h = n \frac{N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}{\sum_{h=1}^L N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}$$

where

$n_h$  is the number of samples allocated to stratum  $h$ ,

$L$  is the number of strata,

$N_h$  is the total number of units in stratum  $h$ ,

$P_h$  is the proportion in stratum  $h$ ,

$c_h$  is the cost per population unit in stratum  $h$ .

$n$  is the total number of units sampled in all strata,

$$n = \sum_{h=1}^L n_h$$

Using this formula, the number of samples allocated to each stratum is:

Stratum	Number of Samples
1	6
<b>Total Samples</b>	6

### Method for Determining Sampling Locations

Five methods for determining sample locations are provided in VSP: 1) simple random sampling, 2) random sampling within grids, 3) systematic sampling with a random start, 4) systematic sampling with a fixed start and 5) adaptive grid sampling. One may use a different method for each stratum, based on the conceptual site model and decision to be made for a given stratum. For this site, sample locations were chosen using random sampling within grids in each stratum.

Locating the sample points using a random sampling within grids method combines appealing aspects of both the random and the systematic grid methods. It provides data that are separated by many distances, providing information about the spatial structure of the potential contamination. It also ensures good coverage of the entire site, although not as completely as if systematic grid sampling were performed.

### Statistical Assumptions

The assumptions associated with the formulas for computing the number of samples are:

1. The estimated stratum proportions,  $P_h$ , are reasonable and representative of the stratum populations being sampled.
2. The sampling locations are selected using simple random sampling.
3. The stratum costs,  $C_h$ , and the fixed cost  $C_0$ , are accurate.

The first and third assumptions will be assessed in a post data collection analysis. The second assumption, although not strictly valid for strata where systematic grid sampling was used rather than simple random sampling, is not expected to significantly affect conclusions of the study because (1) the gridded sample locations were selected based on a random start and (2) any patterns of contamination in the field that may exist are not expected to coincide with the regularity of the grid sampling pattern.

### Cost of Sampling

The total cost of the completed sampling program depends on several cost inputs, some of which are fixed, and others that are based on the number of samples collected and measured. Based on the numbers of samples determined above, the estimated total cost of sampling and analysis at this site is \$4,000.00, which averages out to a per sample cost of \$666.67. The following table summarizes the inputs and resulting cost estimates.

COST INFORMATION				
Stratum	Samples	Collection Cost Per Sample	Analytic Cost Per Sample	Total Cost
1	6			

<b>Total Samples:</b>	<b>6</b>	<b>Subtotal:</b>	
		Fixed Startup Cost:	
		<b>Grand Total:</b>	

**Recommended Data Analysis Activities**

Post data collection activities generally follow those outlined in EPA's Guidance for Data Quality Assessment (EPA, 2000). The data analysts will become familiar with the context of the problem and goals for data collection and assessment. The data will be verified and validated before being subjected to statistical or other analyses. Graphical and analytical tools will be used to verify to the extent possible the assumptions of any statistical analyses that are performed as well as to achieve a general understanding of the data. The data will be assessed to determine whether they are adequate in both quality and quantity to support the primary objective of sampling.

Estimates for the proportion of the population values will be calculated using the formulas appropriate for stratified sampling; these formulas are found in EPA QA/G-5S (EPA, 2001). Results of the exploratory and quantitative assessments of the data will be reported, along with conclusions that may be supported by them.

This report was automatically produced\* by Visual Sample Plan (VSP) software version 7.12a.

This design was last modified 3/2/2020 10:58:43 AM.

Software and documentation available at <http://vsp.pnnl.gov>

Software copyright (c) 2020 Battelle Memorial Institute. All rights reserved.

\* - The report contents may have been modified or reformatted by end-user of software.

APPENDIX D  
LABORATORY ANALYTICAL  
REPORTS



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/4/2020

Job Number: 19026-0001

Work Order: P003014

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/6/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BS 1	P003014-01A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.
BS 2	P003014-02A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.
BS 3	P003014-03A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.
BS 4	P003014-04A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.
BS 5	P003014-05A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.
BS 6	P003014-06A	Soil	03/02/20	03/04/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 1****P003014-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.9 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.8 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 2****P003014-02 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	38.5	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.8 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	41.3	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 3****P003014-03 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.4 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 4****P003014-04 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.6 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.9 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 5****P003014-05 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		91.9 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.5 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**BS 6****P003014-06 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		106 %		50-150	2010012	03/04/20	03/05/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2010015	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.3 %		50-200	2010015	03/04/20	03/05/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2010012	03/04/20	03/05/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.1 %		50-150	2010012	03/04/20	03/05/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2010014	03/04/20	03/04/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/06/20 13:53
---	--	-----------------------------

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2010012 - Purge and Trap EPA 5030A

##### Blank (2010012-BLK1)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Benzene	ND	0.0250	mg/kg							
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	8.20		"	8.00		103	50-150			

##### LCS (2010012-BS1)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Benzene	4.84	0.0250	mg/kg	5.00		96.7	70-130			
Toluene	4.96	0.0250	"	5.00		99.1	70-130			
Ethylbenzene	4.89	0.0250	"	5.00		97.7	70-130			
p,m-Xylene	9.72	0.0500	"	10.0		97.2	70-130			
o-Xylene	4.85	0.0250	"	5.00		97.0	70-130			
Total Xylenes	14.6	0.0250	"	15.0		97.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.47		"	8.00		106	50-150			

##### Matrix Spike (2010012-MS1)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Benzene	4.80	0.0250	mg/kg	5.00	ND	95.9	54.3-133			
Toluene	4.89	0.0250	"	5.00	ND	97.8	61.4-130			
Ethylbenzene	4.83	0.0250	"	5.00	ND	96.7	61.4-133			
p,m-Xylene	9.61	0.0500	"	10.0	ND	96.1	63.3-131			
o-Xylene	4.80	0.0250	"	5.00	ND	95.9	63.3-131			
Total Xylenes	14.4	0.0250	"	15.0	ND	96.0	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.53		"	8.00		107	50-150			

##### Matrix Spike Dup (2010012-MSD1)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Benzene	4.84	0.0250	mg/kg	5.00	ND	96.8	54.3-133	0.925	20	
Toluene	4.98	0.0250	"	5.00	ND	99.7	61.4-130	1.88	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.3	61.4-133	1.69	20	
p,m-Xylene	9.78	0.0500	"	10.0	ND	97.8	63.3-131	1.70	20	
o-Xylene	4.89	0.0250	"	5.00	ND	97.8	63.3-131	1.93	20	
Total Xylenes	14.7	0.0250	"	15.0	ND	97.8	0-200	1.78	200	
Surrogate: 4-Bromochlorobenzene-PID	8.47		"	8.00		106	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/06/20 13:53
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2010015 - DRO Extraction EPA 3570

##### Blank (2010015-BLK1)

Prepared: 03/04/20 1 Analyzed: 03/04/20 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	54.5		"	50.0		109	50-200			

##### LCS (2010015-BS1)

Prepared: 03/04/20 1 Analyzed: 03/04/20 2

Diesel Range Organics (C10-C28)	438	25.0	mg/kg	500		87.6	38-132			
Surrogate: n-Nonane	48.7		"	50.0		97.5	50-200			

##### Matrix Spike (2010015-MS1)

Source: P002092-01

Prepared: 03/04/20 1 Analyzed: 03/04/20 2

Diesel Range Organics (C10-C28)	440	25.0	mg/kg	500	ND	88.1	38-132			
Surrogate: n-Nonane	48.0		"	50.0		95.9	50-200			

##### Matrix Spike Dup (2010015-MSD1)

Source: P002092-01

Prepared: 03/04/20 1 Analyzed: 03/04/20 2

Diesel Range Organics (C10-C28)	432	25.0	mg/kg	500	ND	86.4	38-132	1.96	20	
Surrogate: n-Nonane	48.1		"	50.0		96.1	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/06/20 13:53
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2010012 - Purge and Trap EPA 5030A

##### Blank (2010012-BLK1)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.87		"	8.00		85.9	50-150			

##### LCS (2010012-BS2)

Prepared: 03/04/20 0 Analyzed: 03/04/20 1

Gasoline Range Organics (C6-C10)	48.7	20.0	mg/kg	50.0		97.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.94		"	8.00		86.8	50-150			

##### Matrix Spike (2010012-MS2)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Gasoline Range Organics (C6-C10)	46.6	20.0	mg/kg	50.0	ND	93.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.03		"	8.00		87.8	50-150			

##### Matrix Spike Dup (2010012-MSD2)

Source: P003007-01

Prepared: 03/04/20 0 Analyzed: 03/04/20 2

Gasoline Range Organics (C6-C10)	45.5	20.0	mg/kg	50.0	ND	90.9	70-130	2.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.98		"	8.00		87.2	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/06/20 13:53
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2010014 - Anion Extraction EPA 300.0/9056A**

**Blank (2010014-BLK1)**

Prepared & Analyzed: 03/04/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2010014-BS1)**

Prepared & Analyzed: 03/04/20 1

Chloride	250	20.0	mg/kg	250		100	90-110			
----------	-----	------	-------	-----	--	-----	--------	--	--	--

**Matrix Spike (2010014-MS1)**

Source: P003007-01

Prepared & Analyzed: 03/04/20 1

Chloride	262	20.0	mg/kg	250	ND	105	80-120			
----------	-----	------	-------	-----	----	-----	--------	--	--	--

**Matrix Spike Dup (2010014-MSD1)**

Source: P003007-01

Prepared & Analyzed: 03/04/20 1

Chloride	261	20.0	mg/kg	250	ND	104	80-120	0.233	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/06/20 13:53

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Received by: QCD-5722/2020 10:31:22 AM  
41 fo 41 ebe D

Client: <u>SMA-Enterprise</u> Project: <u>58481 WQU</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halague Rd St</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: <u>Brent.Jackson@soudermiller.com</u> Report due by: <u>3/8/2020</u>	Bill To Attention: <u>SMA</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Ashley</u>	Lab Use Only Lab WO# <u>P003014</u> Job Number <u>19026-0001</u>	TAT 1D 3D	EPA Program RCRA CWA SDWA Analysis and Method State NM CO UT AZ TX OK
---	---	--	--------------	--

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
11:37	3/2/20	Soil	1	BS1	1							X		
11:42				BS2	2									
11:46				BS3	3									
11:51				BS4	4									
11:55				BS5	5									
12:03				BS6	6									

**Additional Instructions:**

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

Relinquished by: (Signature) <u>Brent Jackson</u>	Date 3/3/2020	Time 11:36	Received by: (Signature) <u>[Signature]</u>	Date 3-3-2020	Time 1136	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date 3-3-2020	Time 1315	Received by: (Signature) <u>Kevin Lopez</u>	Date 3/4/20	Time 9:30	
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 43 of 146



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/9/2020

Job Number: 19026-0001

Work Order: P003042

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/11/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P003042-01A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
SW2	P003042-02A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
SW3	P003042-03A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.
BS	P003042-04A	Soil	03/05/20	03/09/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**SW1**  
**P003042-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2011017	03/10/20	03/10/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		85.8 %		50-200	2011008	03/10/20	03/10/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.0 %		50-150	2011017	03/10/20	03/10/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**SW2**  
**P003042-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2011017	03/10/20	03/10/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.7 %		50-200	2011008	03/10/20	03/10/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.3 %		50-150	2011017	03/10/20	03/10/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**SW3**  
**P003042-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011017	03/10/20	03/10/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		78.3 %		50-200	2011008	03/10/20	03/10/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011017	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.5 %		50-150	2011017	03/10/20	03/10/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**BS**  
**P003042-04 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>108 %</i>		<i>50-150</i>	<i>2011017</i>	<i>03/10/20</i>	<i>03/11/20</i>	<i>EPA 8021B</i>	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011008	03/10/20	03/10/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>81.2 %</i>		<i>50-200</i>	<i>2011008</i>	<i>03/10/20</i>	<i>03/10/20</i>	<i>EPA 8015D</i>	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011017	03/10/20	03/11/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>93.2 %</i>		<i>50-150</i>	<i>2011017</i>	<i>03/10/20</i>	<i>03/11/20</i>	<i>EPA 8015D</i>	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011012	03/10/20	03/10/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/11/20 16:01
---	--	-----------------------------

## Volatile Organics by EPA 8021 - Quality Control

## Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

## Batch 2011017 - Purge and Trap EPA 5030A

## Blank (2011017-BLK1)

Prepared &amp; Analyzed: 03/10/20 1

Benzene	ND	0.0250	mg/kg							
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	8.37		"	8.00		105	50-150			

## LCS (2011017-BS1)

Prepared &amp; Analyzed: 03/10/20 1

Benzene	4.81	0.0250	mg/kg	5.00		96.1	70-130			
Toluene	4.95	0.0250	"	5.00		99.0	70-130			
Ethylbenzene	5.00	0.0250	"	5.00		100	70-130			
p,m-Xylene	9.99	0.0500	"	10.0		99.9	70-130			
o-Xylene	5.02	0.0250	"	5.00		100	70-130			
Total Xylenes	15.0	0.0250	"	15.0		100	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.45		"	8.00		106	50-150			

## Matrix Spike (2011017-MS1)

Source: P003042-01

Prepared: 03/10/20 1 Analyzed: 03/10/20 2

Benzene	4.63	0.0250	mg/kg	5.00	ND	92.6	54.3-133			
Toluene	4.79	0.0250	"	5.00	ND	95.8	61.4-130			
Ethylbenzene	4.85	0.0250	"	5.00	ND	96.9	61.4-133			
p,m-Xylene	9.67	0.0500	"	10.0	ND	96.7	63.3-131			
o-Xylene	4.88	0.0250	"	5.00	ND	97.6	63.3-131			
Total Xylenes	14.6	0.0250	"	15.0	ND	97.0	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.59		"	8.00		107	50-150			

## Matrix Spike Dup (2011017-MSD1)

Source: P003042-01

Prepared: 03/10/20 1 Analyzed: 03/10/20 2

Benzene	4.71	0.0250	mg/kg	5.00	ND	94.3	54.3-133	1.76	20	
Toluene	4.85	0.0250	"	5.00	ND	97.1	61.4-130	1.38	20	
Ethylbenzene	4.92	0.0250	"	5.00	ND	98.3	61.4-133	1.43	20	
p,m-Xylene	9.81	0.0500	"	10.0	ND	98.1	63.3-131	1.36	20	
o-Xylene	4.94	0.0250	"	5.00	ND	98.9	63.3-131	1.27	20	
Total Xylenes	14.7	0.0250	"	15.0	ND	98.3	0-200	1.33	200	
Surrogate: 4-Bromochlorobenzene-PID	8.54		"	8.00		107	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2011008 - DRO Extraction EPA 3570

##### Blank (2011008-BLK1)

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	45.1		"	50.0		90.3	50-200			

##### LCS (2011008-BS1)

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	419	25.0	mg/kg	500		83.7	38-132			
Surrogate: n-Nonane	45.4		"	50.0		90.9	50-200			

##### Matrix Spike (2011008-MS1)

Source: P003034-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	522	25.0	mg/kg	500	ND	104	38-132			
Surrogate: n-Nonane	47.6		"	50.0		95.2	50-200			

##### Matrix Spike Dup (2011008-MSD1)

Source: P003034-01

Prepared: 03/09/20 1 Analyzed: 03/10/20 0

Diesel Range Organics (C10-C28)	513	25.0	mg/kg	500	ND	103	38-132	1.74	20	
Surrogate: n-Nonane	49.3		"	50.0		98.7	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2011017 - Purge and Trap EPA 5030A

##### Blank (2011017-BLK1)

Prepared &amp; Analyzed: 03/10/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		"	8.00		95.9	50-150			

##### LCS (2011017-BS2)

Prepared: 03/10/20 1 Analyzed: 03/10/20 2

Gasoline Range Organics (C6-C10)	51.1	20.0	mg/kg	50.0		102	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.62		"	8.00		95.3	50-150			

##### Matrix Spike (2011017-MS2)

Source: P003042-01

Prepared: 03/10/20 1 Analyzed: 03/10/20 2

Gasoline Range Organics (C6-C10)	48.5	20.0	mg/kg	50.0	ND	97.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.59		"	8.00		94.9	50-150			

##### Matrix Spike Dup (2011017-MSD2)

Source: P003042-01

Prepared: 03/10/20 1 Analyzed: 03/10/20 2

Gasoline Range Organics (C6-C10)	48.1	20.0	mg/kg	50.0	ND	96.1	70-130	0.975	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		"	8.00		95.5	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2011012 - Anion Extraction EPA 300.0/9056A**

**Blank (2011012-BLK1)**

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2011012-BS1)**

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	253	20.0	mg/kg	250	716	101	90-110			
----------	-----	------	-------	-----	-----	-----	--------	--	--	--

**Matrix Spike (2011012-MS1)**

Source: P003038-01

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	981	40.0	mg/kg	250	716	106	80-120			
----------	-----	------	-------	-----	-----	-----	--------	--	--	--

**Matrix Spike Dup (2011012-MSD1)**

Source: P003038-01

Prepared: 03/10/20 0 Analyzed: 03/10/20 1

Chloride	985	40.0	mg/kg	250	716	108	80-120	0.435	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.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/11/20 16:01
---	--	------------------------------------

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Received by: OGD - 5/22/2020 10:31:22 AM  
21 of 21 page

Client: <u>SMA - Enterprise</u> Project: <u>58481 W &amp; U</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halagueño</u> City, State, Zip: <u>Carlsbad, NM, 88220</u> Phone: Email: <u>Brent Jackson @ southernmiller.com</u> Report due by: <u>3/11/20</u>	Bill To Attention: <u>SMA</u> Address: City, State, Zip Phone: Email: <u>ashley.maxwell@southernmiller.com</u>	Lab Use Only Lab WO# <u>P003042</u> Job Number <u>19026-0001</u>	TAT 1D 3D	EPA Program RCRA CWA SDWA
---	---	--	--------------	------------------------------

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Analysis and Method										State				Remarks	
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ				
10:12	3/5/2020	Soil	1	SW 1												X					
10:15				SW 2																	
10:19				SW 3																	
2:08				BS																	

**Additional Instructions:** Samples placed in fridge 3/7/20 re

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: Brent Jackson

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>3/6/20</u>	Time <u>9:35</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-6-2020</u>	Time <u>9:35</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>3.1</u> Refrigerator temp
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-6-2020</u>	Time <u>1510</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3/9/20</u>	Time <u>10:00</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Page 55 of 146



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/12/2020

Job Number: 19026-0001

Work Order: P003065

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/17/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise  
3008 E Greene St.  
Carlsbad NM, 88220

Project Name: 58481 WQU  
Project Number: 19026-0001  
Project Manager: Ashely Maxwell

**Reported:**  
03/17/20 11:39

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW 1	P003065-01A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
SW 2	P003065-02A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
SW 3	P003065-03A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
SW 4	P003065-04A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
SW 5	P003065-05A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
	P003065-05B	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
SW 6	P003065-06A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
BH 1	P003065-07A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.
BH 2	P003065-08A	Soil	03/06/20	03/12/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 1****P003065-01 (Solid)**

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		79.7 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>30.4</b>	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	-------------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 2**  
**P003065-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	25.7	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.1 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 3****P003065-03 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		83.2 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.1 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 4**  
**P003065-04 (Solid)**

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	46.2	25.0	mg/kg	1	2011036	03/12/20	03/16/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/16/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		95.5 %		50-200	2011036	03/12/20	03/16/20	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.6 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	24.6	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 5**  
**P003065-05 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		109 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.4 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.4 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**SW 6****P003065-06 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011040	03/12/20	03/13/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		86.4 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/13/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %		50-150	2011040	03/12/20	03/13/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**BH 1**  
**P003065-07 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		108 %		50-150	2011040	03/12/20	03/14/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		83.3 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %		50-150	2011040	03/12/20	03/14/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**BH 2**  
**P003065-08 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2011040	03/12/20	03/14/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2011036	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		82.1 %		50-200	2011036	03/12/20	03/14/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2011040	03/12/20	03/14/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.9 %		50-150	2011040	03/12/20	03/14/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	28.0	20.0	mg/kg	1	2011041	03/13/20	03/13/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/17/20 11:39
---	--	-----------------------------

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2011040 - Purge and Trap EPA 5030A

##### Blank (2011040-BLK1)

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Benzene	ND	0.0250	mg/kg							
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	8.53		"	8.00		107	50-150			

##### LCS (2011040-BS1)

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Benzene	5.08	0.0250	mg/kg	5.00		102	70-130			
Toluene	5.10	0.0250	"	5.00		102	70-130			
Ethylbenzene	5.09	0.0250	"	5.00		102	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.11	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.71		"	8.00		109	50-150			

##### Matrix Spike (2011040-MS1)

Source: P003065-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Benzene	5.04	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.05	0.0250	"	5.00	ND	101	61.4-130			
Ethylbenzene	5.05	0.0250	"	5.00	ND	101	61.4-133			
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131			
o-Xylene	5.07	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.77		"	8.00		110	50-150			

##### Matrix Spike Dup (2011040-MSD1)

Source: P003065-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Benzene	4.90	0.0250	mg/kg	5.00	ND	98.0	54.3-133	2.74	20	
Toluene	4.88	0.0250	"	5.00	ND	97.6	61.4-130	3.45	20	
Ethylbenzene	4.87	0.0250	"	5.00	ND	97.3	61.4-133	3.64	20	
p,m-Xylene	9.69	0.0500	"	10.0	ND	96.9	63.3-131	3.73	20	
o-Xylene	4.88	0.0250	"	5.00	ND	97.7	63.3-131	3.70	20	
Total Xylenes	14.6	0.0250	"	15.0	ND	97.2	0-200	3.72	200	
Surrogate: 4-Bromochlorobenzene-PID	9.00		"	8.00		112	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/17/20 11:39
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2011036 - DRO Extraction EPA 3570

##### Blank (2011036-BLK1)

Prepared: 03/12/20 0 Analyzed: 03/12/20 2

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	50.0		"	50.0		100	50-200			

##### LCS (2011036-BS1)

Prepared: 03/12/20 0 Analyzed: 03/12/20 2

Diesel Range Organics (C10-C28)	404	25.0	mg/kg	500		80.8	38-132			
Surrogate: n-Nonane	44.6		"	50.0		89.3	50-200			

##### Matrix Spike (2011036-MS1)

Source: P003045-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 2

Diesel Range Organics (C10-C28)	425	25.0	mg/kg	500	ND	85.0	38-132			
Surrogate: n-Nonane	45.6		"	50.0		91.2	50-200			

##### Matrix Spike Dup (2011036-MSD1)

Source: P003045-01

Prepared: 03/12/20 0 Analyzed: 03/12/20 2

Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500	ND	84.2	38-132	0.974	20	
Surrogate: n-Nonane	45.7		"	50.0		91.3	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/17/20 11:39
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2011040 - Purge and Trap EPA 5030A

##### Blank (2011040-BLK1)

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		"	8.00		94.0	50-150			

##### LCS (2011040-BS2)

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	46.6	20.0	mg/kg	50.0		93.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.48		"	8.00		93.5	50-150			

##### Matrix Spike (2011040-MS2)

Source: P003065-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	46.4	20.0	mg/kg	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.47		"	8.00		93.4	50-150			

##### Matrix Spike Dup (2011040-MSD2)

Source: P003065-01

Prepared: 03/12/20 1 Analyzed: 03/13/20 1

Gasoline Range Organics (C6-C10)	46.0	20.0	mg/kg	50.0	ND	92.0	70-130	0.909	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		"	8.00		92.2	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/17/20 11:39
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2011041 - Anion Extraction EPA 300.0/9056A**

**Blank (2011041-BLK1)**

Prepared: 03/13/20 0 Analyzed: 03/14/20 0

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2011041-BS1)**

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	252	20.0	mg/kg	250		101	90-110			
----------	-----	------	-------	-----	--	-----	--------	--	--	--

**Matrix Spike (2011041-MS1)**

Source: P003065-01

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	283	20.0	mg/kg	250	30.4	101	80-120			
----------	-----	------	-------	-----	------	-----	--------	--	--	--

**Matrix Spike Dup (2011041-MSD1)**

Source: P003065-01

Prepared: 03/13/20 0 Analyzed: 03/13/20 1

Chloride	285	20.0	mg/kg	250	30.4	102	80-120	0.518	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/17/20 11:39

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Received by: QCD-5422/2020 10:31:22 AM  
Page 16 of 91

Client: <u>SMH-Enterprise</u> Project: <u>58481 WQU</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halagueño St.</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: <u>Brent.Jackson@southernmiller.com</u> Report due by: <u>Standard turnaround</u>	Bill To Attention: <u>SMA</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>Ashley.Maxwell@southernmiller.com</u>	Lab Use Only Lab WO# <u>P003065</u> Job Number <u>19026-0001</u> Analysis and Method: _____	TAT 1D _____ 3D _____	EPA Program RCRA _____ CWA _____ SDWA _____ State: _____ NM _____ CO _____ UT _____ AZ _____ TX _____ OK _____
--	--	---	--------------------------	--

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
11:23	3/6/2020	Soil	1	SW 1	1							X		
12:42				SW 2	2									
1:03				SW 3	3									
1:07				SW 4	4									
10:16				SW 5	5									
1:10				SW 6	6									
10:12				BH 1	7									
11:19				BH 2	8									

**Additional Instructions:**

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

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>Bob Smith</u>	Date <u>3/11</u>	Time <u>10:35</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-11-2020</u>	Time <u>1035</u>	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-11-2020</u>	Time <u>1510</u>	Received by: (Signature) <u>Ramon Lopez</u>	Date <u>3/12/20</u>	Time <u>9:45</u>	
Relinquished by: (Signature) _____	Date _____	Time _____	Received by: (Signature) _____	Date _____	Time _____	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_    Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



5795 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone (800) 362-1079

Ph (505) 632-1881 Fx (505) 632-1885

envirotech-inc.com  
labadmin@envirotech-inc.com



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/17/2020

Job Number: 19026-0001

Work Order: P003089

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/18/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/18/20 11:56

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
South SW	P003089-01A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
West SW	P003089-02A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
East SW	P003089-03A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
Trench- West SW	P003089-04A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
Trench- North SW	P003089-05A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
Trench- East SW	P003089-06A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.
Trench- BH	P003089-07A	Soil	03/13/20	03/17/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**South SW  
P003089-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					
<b>Volatile Organics by EPA 8021</b>									
Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		99.3 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	
<b>Nonhalogenated Organics by 8015 - DRO/ORO</b>									
Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.2 %		50-200	2012015	03/17/20	03/17/20	EPA 8015D	
<b>Nonhalogenated Organics by 8015 - GRO</b>									
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.2 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	
<b>Anions by 300.0/9056A</b>									
Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**West SW  
P003089-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	33.3	25.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.4 %		50-200	2012015	03/17/20	03/17/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.0 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	40.0	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**East SW  
P003089-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	26.4	25.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		89.0 %		50-200	2012015	03/17/20	03/17/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.7 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Trench- West SW  
P003089-04 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.1 %		50-200	2012015	03/17/20	03/17/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.2 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Trench- North SW  
P003089-05 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		<i>103 %</i>		<i>50-150</i>	<i>2012013</i>	<i>03/17/20</i>	<i>03/17/20</i>	<i>EPA 8021B</i>	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		<i>84.9 %</i>		<i>50-200</i>	<i>2012015</i>	<i>03/17/20</i>	<i>03/17/20</i>	<i>EPA 8015D</i>	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		<i>88.0 %</i>		<i>50-150</i>	<i>2012013</i>	<i>03/17/20</i>	<i>03/17/20</i>	<i>EPA 8015D</i>	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Trench- East SW  
P003089-06 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	34.9	25.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		87.8 %		50-200	2012015	03/17/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.6 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Trench- BH  
P003089-07 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>180</b>	25.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	<b>255</b>	50.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		81.0 %		50-200	2012015	03/17/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.6 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/17/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise	Project Name:	58481 WQU	<b>Reported:</b> 03/18/20 11:56
3008 E Greene St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2012013 - Purge and Trap EPA 5030A

##### Blank (2012013-BLK1)

Prepared & Analyzed: 03/17/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.01		"	8.00		100	50-150			

##### LCS (2012013-BS1)

Prepared & Analyzed: 03/17/20 1

Benzene	5.07	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.18	0.0250	"	5.00		104	70-130			
Ethylbenzene	5.13	0.0250	"	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.09	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.15		"	8.00		102	50-150			

##### Matrix Spike (2012013-MS1)

Source: P003089-01

Prepared & Analyzed: 03/17/20 1

Benzene	5.01	0.0250	mg/kg	5.00	ND	100	54.3-133			
Toluene	5.15	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.08	0.0250	"	5.00	ND	102	61.4-133			
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131			
o-Xylene	5.04	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.18		"	8.00		102	50-150			

##### Matrix Spike Dup (2012013-MSD1)

Source: P003089-01

Prepared & Analyzed: 03/17/20 1

Benzene	5.11	0.0250	mg/kg	5.00	ND	102	54.3-133	1.85	20	
Toluene	5.21	0.0250	"	5.00	ND	104	61.4-130	1.04	20	
Ethylbenzene	5.15	0.0250	"	5.00	ND	103	61.4-133	1.41	20	
p,m-Xylene	10.2	0.0500	"	10.0	ND	102	63.3-131	1.35	20	
o-Xylene	5.09	0.0250	"	5.00	ND	102	63.3-131	1.07	20	
Total Xylenes	15.3	0.0250	"	15.0	ND	102	0-200	1.26	200	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.12		"	8.00		102	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2012015 - DRO Extraction EPA 3570**

**Blank (2012015-BLK1)**

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.9		"	50.0		89.8	50-200			

**LCS (2012015-BS1)**

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	418	25.0	mg/kg	500		83.5	38-132			
Surrogate: n-Nonane	43.7		"	50.0		87.4	50-200			

**Matrix Spike (2012015-MS1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	2540	25.0	mg/kg	500	2180	73.1	38-132			
Surrogate: n-Nonane	610		"	50.0		NR	50-200			S5

**Matrix Spike Dup (2012015-MSD1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	2680	25.0	mg/kg	500	2180	100	38-132	5.16	20	
Surrogate: n-Nonane	502		"	50.0		1000	50-200			S5

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/18/20 11:56
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2012013 - Purge and Trap EPA 5030A

##### Blank (2012013-BLK1)

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		"	8.00		86.6	50-150			

##### LCS (2012013-BS2)

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	52.8	20.0	mg/kg	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		"	8.00		88.1	50-150			

##### Matrix Spike (2012013-MS2)

Source: P003089-01

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		"	8.00		89.2	50-150			

##### Matrix Spike Dup (2012013-MSD2)

Source: P003089-01

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130	0.0138	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		"	8.00		89.9	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:56
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2012014 - Anion Extraction EPA 300.0/9056A**

**Blank (2012014-BLK1)**

Prepared & Analyzed: 03/17/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2012014-BS1)**

Prepared & Analyzed: 03/17/20 1

Chloride	249	20.0	mg/kg	250		99.7	90-110			
----------	-----	------	-------	-----	--	------	--------	--	--	--

**Matrix Spike (2012014-MS1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Chloride	275	20.0	mg/kg	250	23.0	101	80-120			
----------	-----	------	-------	-----	------	-----	--------	--	--	--

**Matrix Spike Dup (2012014-MSD1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Chloride	273	20.0	mg/kg	250	23.0	100	80-120	0.552	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/18/20 11:56

**Notes and Definitions**

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Client: <u>SMA - Enterprise</u> Project: <u>58481 W&amp;U</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halagueño St</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: <u>brent.saksun@soudermiller.com</u> Report due by: <u>standard turnaround</u>	Bill To Attention: <u>SMA</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>ashley.maxwell@soudermiller.com</u>	Lab Use Only Lab WO# <u>P003089</u> Job Number <u>19026-0001</u>	TAT 1D 3D	EPA Program RCRA CWA SDWA	Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC - NM BGDOC - TX	State NM CO UT AZ TX OK
--	--	--	--------------	------------------------------	---	-------------------------------

2D

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	BGDOC - TX	Remarks
10:35	3/13/20	soil	1	South SW	1							X		
10:42				West SW	2							X		
11:35				East SW	3							X		
11:45				Trench - West SW	4							X		
11:50				Trench - North SW	5							X		
11:55				Trench - East SW	6							X		
12:00				Trench - BH	7							X		

**Additional Instructions:**

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Sebastian Lopez</u>	3/16/2020	10:00	<u>[Signature]</u>	3-16-2020	10:00	
<u>[Signature]</u>	3/16/2020	1515	<u>Rama Lopez</u>	3/17/20	9:30	

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.



5795 US Highway 64, Farmington, NM 87401  
 24 Hour Emergency Response Phone (800) 562-1879

Ph (505) 632-1881 Fx (505) 632-1865





## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/17/2020

Job Number: 19026-0001

Work Order: P003090

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/18/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH2	P003090-01A	Soil	03/16/20	03/17/20	Glass Jar, 4 oz.
BH3	P003090-02A	Soil	03/16/20	03/17/20	Glass Jar, 4 oz.
North SW	P003090-03A	Soil	03/16/20	03/17/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

**BH2****P003090-01 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	26.1	25.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		83.3 %		50-200	2012015	03/17/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		89.1 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	79.7	20.0	mg/kg	1	2012014	03/17/20	03/18/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

**BH3****P003090-02 (Solid)**

Analyte	Reporting								
	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/17/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		88.0 %		50-200	2012015	03/17/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/17/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		87.5 %		50-150	2012013	03/17/20	03/17/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/18/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

**North SW  
P003090-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2012013	03/17/20	03/18/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2012015	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		92.5 %		50-200	2012015	03/17/20	03/18/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2012013	03/17/20	03/18/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		88.3 %		50-150	2012013	03/17/20	03/18/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2012014	03/17/20	03/18/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise	Project Name:	58481 WQU	<b>Reported:</b> 03/18/20 11:55
3008 E Greene St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2012013 - Purge and Trap EPA 5030A

##### Blank (2012013-BLK1)

Prepared & Analyzed: 03/17/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.01		"	8.00		100	50-150			

##### LCS (2012013-BS1)

Prepared & Analyzed: 03/17/20 1

Benzene	5.07	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.18	0.0250	"	5.00		104	70-130			
Ethylbenzene	5.13	0.0250	"	5.00		103	70-130			
p,m-Xylene	10.2	0.0500	"	10.0		102	70-130			
o-Xylene	5.09	0.0250	"	5.00		102	70-130			
Total Xylenes	15.3	0.0250	"	15.0		102	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.15		"	8.00		102	50-150			

##### Matrix Spike (2012013-MS1)

Source: P003089-01

Prepared & Analyzed: 03/17/20 1

Benzene	5.01	0.0250	mg/kg	5.00	ND	100	54.3-133			
Toluene	5.15	0.0250	"	5.00	ND	103	61.4-130			
Ethylbenzene	5.08	0.0250	"	5.00	ND	102	61.4-133			
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131			
o-Xylene	5.04	0.0250	"	5.00	ND	101	63.3-131			
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200			
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.18		"	8.00		102	50-150			

##### Matrix Spike Dup (2012013-MSD1)

Source: P003089-01

Prepared & Analyzed: 03/17/20 1

Benzene	5.11	0.0250	mg/kg	5.00	ND	102	54.3-133	1.85	20	
Toluene	5.21	0.0250	"	5.00	ND	104	61.4-130	1.04	20	
Ethylbenzene	5.15	0.0250	"	5.00	ND	103	61.4-133	1.41	20	
p,m-Xylene	10.2	0.0500	"	10.0	ND	102	63.3-131	1.35	20	
o-Xylene	5.09	0.0250	"	5.00	ND	102	63.3-131	1.07	20	
Total Xylenes	15.3	0.0250	"	15.0	ND	102	0-200	1.26	200	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	8.12		"	8.00		102	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

**Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2012015 - DRO Extraction EPA 3570**

**Blank (2012015-BLK1)**

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	44.9		"	50.0		89.8	50-200			

**LCS (2012015-BS1)**

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	418	25.0	mg/kg	500		83.5	38-132			
Surrogate: n-Nonane	43.7		"	50.0		87.4	50-200			

**Matrix Spike (2012015-MS1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	2540	25.0	mg/kg	500	2180	73.1	38-132			
Surrogate: n-Nonane	610		"	50.0		NR	50-200			S5

**Matrix Spike Dup (2012015-MSD1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Diesel Range Organics (C10-C28)	2680	25.0	mg/kg	500	2180	100	38-132	5.16	20	
Surrogate: n-Nonane	502		"	50.0		1000	50-200			S5

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2012013 - Purge and Trap EPA 5030A

##### Blank (2012013-BLK1)

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	6.93		"	8.00		86.6	50-150			

##### LCS (2012013-BS2)

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	52.8	20.0	mg/kg	50.0		106	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.04		"	8.00		88.1	50-150			

##### Matrix Spike (2012013-MS2)

Source: P003089-01

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		"	8.00		89.2	50-150			

##### Matrix Spike Dup (2012013-MSD2)

Source: P003089-01

Prepared &amp; Analyzed: 03/17/20 1

Gasoline Range Organics (C6-C10)	50.2	20.0	mg/kg	50.0	ND	100	70-130	0.0138	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.19		"	8.00		89.9	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/18/20 11:55
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2012014 - Anion Extraction EPA 300.0/9056A**

**Blank (2012014-BLK1)**

Prepared & Analyzed: 03/17/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2012014-BS1)**

Prepared & Analyzed: 03/17/20 1

Chloride	249	20.0	mg/kg	250		99.7	90-110			
----------	-----	------	-------	-----	--	------	--------	--	--	--

**Matrix Spike (2012014-MS1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Chloride	275	20.0	mg/kg	250	23.0	101	80-120			
----------	-----	------	-------	-----	------	-----	--------	--	--	--

**Matrix Spike Dup (2012014-MSD1)**

Source: P003081-01

Prepared & Analyzed: 03/17/20 1

Chloride	273	20.0	mg/kg	250	23.0	100	80-120	0.552	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/18/20 11:55

**Notes and Definitions**

S5 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

20

Client: <u>SMA - Enterprise</u> Project: <u>58481 WQU</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halagueño St.</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: Email: <u>Brent Jackson@southernmiller.com</u> Report due by: <u>standard turnaround</u>	Bill To Attention: <u>SMA</u> Address: City, State, Zip Phone: Email: <u>Ashley.maxwell@southernmiller.com</u>	Lab Use Only Lab WO# <u>P003090</u> Job Number <u>97057-03.52</u>	TAT 1D 3D	EPA Program RCRA CWA SDWA
--	---	---	--------------	------------------------------

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	Analysis and Method										State				Remarks				
						DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0					BGDOC - NM	BGDOC - TX	NM	CO		UT	AZ		
9:58	3/14/20	Soil	1	BH2	1														X					
10:05	↓	↓	↓	BH3	2														X					
10:10	↓	↓	↓	North SW	3														X					

**Additional Instructions:**

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

Relinquished by: (Signature) <u>Brent Jackson</u>	Date <u>3/16/20</u>	Time <u>2:44</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-16-2020</u>	Time <u>1444</u>	Lab Use Only Received on ice: <u>Y/N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-16-2020</u>	Time <u>1515</u>	Received by: (Signature) <u>Rain Lopez</u>	Date <u>3/16/20</u>	Time <u>9:30</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
 Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



5795 US Highway 64, Farmington, NM 87401  
 24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com  
 labadmin@envirotech-inc.com

Received by: OCD: 5/22/2020 10:31:22 AM

Page 97 of 146



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/23/2020

Job Number: 19026-0001

Work Order: P003111

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/24/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/24/20 14:45

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
Trench-BS	P003111-01A	Solid	03/19/20	03/23/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/24/20 14:45
---	--	------------------------------------

**Trench-BS  
P003111-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %		50-150	2013002	03/23/20	03/23/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013001	03/23/20	03/23/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		94.4 %		50-200	2013001	03/23/20	03/23/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013002	03/23/20	03/23/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		86.7 %		50-150	2013002	03/23/20	03/23/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	ND	20.0	mg/kg	1	2013003	03/23/20	03/23/20	EPA 300.0/9056A	
----------	----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/24/20 14:45
---	--	-----------------------------

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013002 - Purge and Trap EPA 5030A

##### Blank (2013002-BLK1)

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Benzene	ND	0.0250	mg/kg							
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	8.44		"	8.00		105	50-150			

##### LCS (2013002-BS1)

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Benzene	5.01	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.03	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.04	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.06	0.0250	"	5.00		101	70-130			
Total Xylenes	15.1	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.58		"	8.00		107	50-150			

##### Matrix Spike (2013002-MS1)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Benzene	4.79	0.0250	mg/kg	5.00	ND	95.8	54.3-133			
Toluene	4.81	0.0250	"	5.00	ND	96.2	61.4-130			
Ethylbenzene	4.80	0.0250	"	5.00	ND	96.1	61.4-133			
p,m-Xylene	9.62	0.0500	"	10.0	ND	96.2	63.3-131			
o-Xylene	4.84	0.0250	"	5.00	ND	96.8	63.3-131			
Total Xylenes	14.5	0.0250	"	15.0	ND	96.4	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.55		"	8.00		107	50-150			

##### Matrix Spike Dup (2013002-MSD1)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Benzene	5.03	0.0250	mg/kg	5.00	ND	101	54.3-133	4.83	20	
Toluene	5.03	0.0250	"	5.00	ND	101	61.4-130	4.49	20	
Ethylbenzene	5.03	0.0250	"	5.00	ND	101	61.4-133	4.69	20	
p,m-Xylene	10.1	0.0500	"	10.0	ND	101	63.3-131	4.46	20	
o-Xylene	5.05	0.0250	"	5.00	ND	101	63.3-131	4.24	20	
Total Xylenes	15.1	0.0250	"	15.0	ND	101	0-200	4.39	200	
Surrogate: 4-Bromochlorobenzene-PID	8.54		"	8.00		107	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/24/20 14:45
---	--	------------------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013001 - DRO Extraction EPA 3570

##### Blank (2013001-BLK1)

Prepared &amp; Analyzed: 03/23/20 0

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	47.3		"	50.0		94.5	50-200			

##### LCS (2013001-BS1)

Prepared &amp; Analyzed: 03/23/20 0

Diesel Range Organics (C10-C28)	431	25.0	mg/kg	500		86.3	38-132			
Surrogate: n-Nonane	47.4		"	50.0		94.9	50-200			

##### Matrix Spike (2013001-MS1)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Diesel Range Organics (C10-C28)	428	25.0	mg/kg	500	ND	85.5	38-132			
Surrogate: n-Nonane	48.2		"	50.0		96.5	50-200			

##### Matrix Spike Dup (2013001-MSD1)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Diesel Range Organics (C10-C28)	430	25.0	mg/kg	500	ND	86.1	38-132	0.613	20	
Surrogate: n-Nonane	48.3		"	50.0		96.5	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/24/20 14:45
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013002 - Purge and Trap EPA 5030A

##### Blank (2013002-BLK1)

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.25		"	8.00		90.6	50-150			

##### LCS (2013002-BS2)

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Gasoline Range Organics (C6-C10)	42.8	20.0	mg/kg	50.0		85.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		"	8.00		92.8	50-150			

##### Matrix Spike (2013002-MS2)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Gasoline Range Organics (C6-C10)	38.2	20.0	mg/kg	50.0	ND	76.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		"	8.00		94.8	50-150			

##### Matrix Spike Dup (2013002-MSD2)

Source: P003109-01

Prepared: 03/23/20 0 Analyzed: 03/23/20 1

Gasoline Range Organics (C6-C10)	39.7	20.0	mg/kg	50.0	ND	79.4	70-130	3.79	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		"	8.00		93.9	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/24/20 14:45
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2013003 - Anion Extraction EPA 300.0/9056A**

<b>Blank (2013003-BLK1)</b>				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	ND	20.0	mg/kg							
<b>LCS (2013003-BS1)</b>				Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	253	20.0	mg/kg	250		101	90-110			
<b>Matrix Spike (2013003-MS1)</b>				Source: P003109-01 Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	251	20.0	mg/kg	250	ND	100	80-120			
<b>Matrix Spike Dup (2013003-MSD1)</b>				Source: P003109-01 Prepared: 03/23/20 0 Analyzed: 03/23/20 1						
Chloride	253	20.0	mg/kg	250	ND	101	80-120	1.17	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.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/24/20 14:45
---	--	------------------------------------

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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





## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/28/2020

Job Number: 19026-0001

Work Order: P003130

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 3/30/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**Analytical Report for Samples**

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P003130-01A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SW2	P003130-02A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
SW3	P003130-03A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.
BH1	P003130-04A	Soil	03/26/20	03/28/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**SW1****P003130-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2013027	03/28/20	03/28/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	<b>155</b>	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	<b>130</b>	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		78.6 %		50-200	2013025	03/28/20	03/28/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.9 %		50-150	2013027	03/28/20	03/28/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>193</b>	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	
----------	------------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**SW2**  
**P003130-02 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2013027	03/28/20	03/28/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		59.6 %		50-200	2013025	03/28/20	03/28/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.2 %		50-150	2013027	03/28/20	03/28/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	291	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**SW3**

**P003130-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		107 %		50-150	2013027	03/28/20	03/28/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	50.6	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		72.0 %		50-200	2013025	03/28/20	03/28/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.0 %		50-150	2013027	03/28/20	03/28/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	185	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	
----------	-----	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**BH1****P003130-04 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %		50-150	2013027	03/28/20	03/28/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2013025	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		70.8 %		50-200	2013025	03/28/20	03/28/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2013027	03/28/20	03/28/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.3 %		50-150	2013027	03/28/20	03/28/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>39.0</b>	20.0	mg/kg	1	2013026	03/28/20	03/28/20	EPA 300.0/9056A	
----------	-------------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/30/20 13:42
---	--	-----------------------------

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013027 - Purge and Trap EPA 5030A

##### Blank (2013027-BLK1)

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Benzene	ND	0.0250	mg/kg							
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	8.49		"	8.00		106	50-150			

##### LCS (2013027-BS1)

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Benzene	5.04	0.0250	mg/kg	5.00		101	70-130			
Toluene	5.06	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.06	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.08	0.0250	"	5.00		102	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.53		"	8.00		107	50-150			

##### Matrix Spike (2013027-MS1)

Source: P003129-01

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Benzene	4.88	0.0250	mg/kg	5.00	ND	97.6	54.3-133			
Toluene	4.91	0.0250	"	5.00	ND	98.2	61.4-130			
Ethylbenzene	4.90	0.0250	"	5.00	ND	98.0	61.4-133			
p,m-Xylene	9.79	0.0500	"	10.0	ND	97.9	63.3-131			
o-Xylene	4.92	0.0250	"	5.00	ND	98.4	63.3-131			
Total Xylenes	14.7	0.0250	"	15.0	ND	98.1	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.43		"	8.00		105	50-150			

##### Matrix Spike Dup (2013027-MSD1)

Source: P003129-01

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Benzene	4.98	0.0250	mg/kg	5.00	ND	99.6	54.3-133	2.00	20	
Toluene	4.99	0.0250	"	5.00	ND	99.8	61.4-130	1.60	20	
Ethylbenzene	4.99	0.0250	"	5.00	ND	99.7	61.4-133	1.69	20	
p,m-Xylene	9.96	0.0500	"	10.0	ND	99.6	63.3-131	1.71	20	
o-Xylene	5.01	0.0250	"	5.00	ND	100	63.3-131	1.76	20	
Total Xylenes	15.0	0.0250	"	15.0	ND	99.8	0-200	1.73	200	
Surrogate: 4-Bromochlorobenzene-PID	8.54		"	8.00		107	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/30/20 13:42
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013025 - DRO Extraction EPA 3570

##### Blank (2013025-BLK1)

Prepared &amp; Analyzed: 03/28/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	51.8		"	50.0		104	50-200			

##### LCS (2013025-BS1)

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Diesel Range Organics (C10-C28)	450	25.0	mg/kg	500		90.1	38-132			
Surrogate: n-Nonane	48.7		"	50.0		97.3	50-200			

##### Matrix Spike (2013025-MS1)

Source: P003130-01

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Diesel Range Organics (C10-C28)	598	25.0	mg/kg	500	155	88.7	38-132			
Surrogate: n-Nonane	47.3		"	50.0		94.5	50-200			

##### Matrix Spike Dup (2013025-MSD1)

Source: P003130-01

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Diesel Range Organics (C10-C28)	592	25.0	mg/kg	500	155	87.5	38-132	0.933	20	
Surrogate: n-Nonane	38.8		"	50.0		77.6	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 03/30/20 13:42
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2013027 - Purge and Trap EPA 5030A

##### Blank (2013027-BLK1)

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		"	8.00		90.9	50-150			

##### LCS (2013027-BS2)

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0		90.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.46		"	8.00		93.3	50-150			

##### Matrix Spike (2013027-MS2)

Source: P003129-01

Prepared: 03/28/20 1 Analyzed: 03/28/20 2

Gasoline Range Organics (C6-C10)	45.2	20.0	mg/kg	50.0	ND	90.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		"	8.00		92.7	50-150			

##### Matrix Spike Dup (2013027-MSD2)

Source: P003129-01

Prepared: 03/28/20 1 Analyzed: 03/29/20 0

Gasoline Range Organics (C6-C10)	45.0	20.0	mg/kg	50.0	ND	90.0	70-130	0.323	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		"	8.00		92.6	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 03/30/20 13:42
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2013026 - Anion Extraction EPA 300.0/9056A**

<b>Blank (2013026-BLK1)</b>		Prepared: 03/28/20 1 Analyzed: 03/28/20 2								
Chloride	ND	20.0	mg/kg							
<b>LCS (2013026-BS1)</b>		Prepared: 03/28/20 1 Analyzed: 03/28/20 2								
Chloride	254	20.0	mg/kg	250		102	90-110			
<b>Matrix Spike (2013026-MS1)</b>		<b>Source: P003129-01</b>		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	580	20.0	mg/kg	250	289	116	80-120			
<b>Matrix Spike Dup (2013026-MSD1)</b>		<b>Source: P003129-01</b>		Prepared: 03/28/20 1 Analyzed: 03/28/20 2						
Chloride	561	20.0	mg/kg	250	289	109	80-120	3.25	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	03/30/20 13:42

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Received by OGD - 5/22/2020 10:31:22 AM  
Page 12 of 12

Client: <u>SMA - Enterprise</u> Project: <u>58481 WQ U</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>2015. Italguaño st</u> City, State, Zip: <u>Carlsbad, NM</u> Phone: _____ Email: <u>ashley.maxwell@southernmiller.com</u>	<b>Report Attention</b> Report due by: <u>2-day rush</u> Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>brent.jackson@southernmiller.com</u>	<b>Lab Use Only</b> Lab WO# <u>P003130</u> Job Number <u>19026-0001</u>	<b>TAT</b> 1D <input type="checkbox"/> 3D <input type="checkbox"/>	<b>EPA Program</b> RCRA <input type="checkbox"/> CWA <input type="checkbox"/> SDW <input type="checkbox"/>
<b>Analysis and Method</b>				<b>State</b>
				NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/>

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
10:00	3/26/20	Soil	1	SW 1	1							X		
10:05				SW 2	2							X		
10:15				SW 3	3							X		
10:30				BH 1	4							X		

**Additional Instructions:**

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

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>Brent Jackson</u>	Date <u>3/27/20</u>	Time <u>10:36</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>3-27-2020</u>	Time <u>1036</u>	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>[Signature]</u>	Date <u>3-27-2020</u>	Time <u>1555</u>	Received by: (Signature) <u>Rain Lopez</u>	Date <u>3/28/20</u>	Time <u>11:33</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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



5796 US Highway 64, Farmington, NM 87401  
24 Hour Emergency Response Phone (800) 362-1879

Ph (505) 632-1881 Fx (505) 632-1865

envirotech-inc.com  
labadmin@envirotech-inc.com

Page 118 of 146



## Analytical Report

### Report Summary

Client: Enterprise

Samples Received: 3/31/2020

Job Number: 19026-0001

Work Order: P003136

Project Name/Location: 58481 WQU

Report Reviewed By:

A handwritten signature in black ink that reads 'Walter Hinchman'.

Date: 4/1/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
 Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	04/01/20 15:52

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH-5	P003136-01A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
BH-4	P003136-02A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW1	P003136-03A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
SW2	P003136-04A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.
BS7	P003136-05A	Soil	03/27/20	03/31/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

**BH-5**  
**P003136-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		97.7 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B
Surrogate: Bromofluorobenzene		97.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D
Surrogate: n-Nonane		87.4 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		97.7 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D
Surrogate: Toluene-d8		105 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D
Surrogate: Bromofluorobenzene		97.2 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D

**Anions by 300.0/9056A**

Chloride	23.3	20.0	mg/kg	1	2014008	03/31/20	03/31/20	EPA 300.0/9056A
----------	------	------	-------	---	---------	----------	----------	--------------------

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

**BH-4**  
**P003136-02 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		98.1 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Toluene-d8		107 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	
Surrogate: Bromofluorobenzene		100 %		70-130	2014007	03/31/20	03/31/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		86.4 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		98.1 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Toluene-d8		107 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	
Surrogate: Bromofluorobenzene		100 %		70-130	2014007	03/31/20	03/31/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	28.6	20.0	mg/kg	1	2014008	03/31/20	03/31/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 04/01/20 15:52
---	--	------------------------------------

**SW1****P003136-03 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	
<i>Surrogate: Toluene-d8</i>		105 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	32.1	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		90.2 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8015D	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	
<i>Surrogate: Toluene-d8</i>		105 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	
<i>Surrogate: Bromofluorobenzene</i>		97.9 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	55.9	20.0	mg/kg	1	2014008	03/31/20	03/31/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

## SW2

## P003136-04 (Solid)

Analyte	Result	Reporting							
		Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B
Surrogate: 1,2-Dichloroethane-d4		103 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B
Surrogate: Bromofluorobenzene		95.1 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	59.3	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D
Surrogate: n-Nonane		93.3 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8015D
Surrogate: 1,2-Dichloroethane-d4		103 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D
Surrogate: Bromofluorobenzene		95.1 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D

**Anions by 300.0/9056A**

Chloride	120	20.0	mg/kg	1	2014008	03/31/20	03/31/20	EPA 300.0/9056A
----------	-----	------	-------	---	---------	----------	----------	--------------------

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

**BS7****P003136-05 (Solid)**

Reporting									
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

**Volatile Organic Compounds by 8260**

Benzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Toluene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
o-Xylene	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Total Xylenes	ND	0.0250	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8260B	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	
Surrogate: Bromofluorobenzene		95.6 %		70-130	2014007	03/31/20	04/01/20	EPA 8260B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	40.0	25.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014005	03/31/20	03/31/20	EPA 8015D	
Surrogate: n-Nonane		94.1 %		50-200	2014005	03/31/20	03/31/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014007	03/31/20	04/01/20	EPA 8015D	
Surrogate: 1,2-Dichloroethane-d4		101 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	
Surrogate: Toluene-d8		106 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	
Surrogate: Bromofluorobenzene		95.6 %		70-130	2014007	03/31/20	04/01/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	46.2	20.0	mg/kg	1	2014008	03/31/20	03/31/20	EPA 300.0/9056A	
----------	------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise	Project Name:	58481 WQU	<b>Reported:</b> 04/01/20 15:52
3008 E Greene St.	Project Number:	19026-0001	
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	

### Volatile Organic Compounds by 8260 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2014007 - Purge and Trap EPA 5030A

##### Blank (2014007-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	"							
Ethylbenzene	ND	0.0250	"							
p,m-Xylene	ND	0.0500	"							
o-Xylene	ND	0.0250	"							
Total Xylenes	ND	0.0250	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.525</i>		"	<i>0.500</i>		<i>105</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.534</i>		"	<i>0.500</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>0.493</i>		"	<i>0.500</i>		<i>98.5</i>	<i>70-130</i>			

##### LCS (2014007-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.26	0.0250	mg/kg	2.50		90.5	70-130			
Toluene	2.56	0.0250	"	2.50		102	70-130			
Ethylbenzene	2.56	0.0250	"	2.50		102	70-130			
p,m-Xylene	5.08	0.0500	"	5.00		102	70-130			
o-Xylene	2.51	0.0250	"	2.50		100	70-130			
Total Xylenes	7.59	0.0250	"	7.50		101	0-200			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.502</i>		"	<i>0.500</i>		<i>100</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.534</i>		"	<i>0.500</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>0.493</i>		"	<i>0.500</i>		<i>98.6</i>	<i>70-130</i>			

##### Matrix Spike (2014007-MS1)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.32	0.0250	mg/kg	2.50	ND	92.9	48-131			
Toluene	2.58	0.0250	"	2.50	ND	103	48-130			
Ethylbenzene	2.59	0.0250	"	2.50	ND	104	45-135			
p,m-Xylene	5.16	0.0500	"	5.00	ND	103	43-135			
o-Xylene	2.56	0.0250	"	2.50	ND	103	43-135			
Total Xylenes	7.72	0.0250	"	7.50	ND	103	0-200			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.533</i>		"	<i>0.500</i>		<i>107</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.538</i>		"	<i>0.500</i>		<i>108</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>0.490</i>		"	<i>0.500</i>		<i>98.0</i>	<i>70-130</i>			

##### Matrix Spike Dup (2014007-MSD1)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Benzene	2.31	0.0250	mg/kg	2.50	ND	92.3	48-131	0.626	23	
Toluene	2.54	0.0250	"	2.50	ND	102	48-130	1.35	24	
Ethylbenzene	2.54	0.0250	"	2.50	ND	102	45-135	1.97	27	
p,m-Xylene	5.09	0.0500	"	5.00	ND	102	43-135	1.39	27	
o-Xylene	2.52	0.0250	"	2.50	ND	101	43-135	1.93	27	
Total Xylenes	7.60	0.0250	"	7.50	ND	101	0-200	1.57	200	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.505</i>		"	<i>0.500</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.519</i>		"	<i>0.500</i>		<i>104</i>	<i>70-130</i>			
<i>Surrogate: Bromofluorobenzene</i>	<i>0.489</i>		"	<i>0.500</i>		<i>97.8</i>	<i>70-130</i>			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2014005 - DRO Extraction EPA 3570

##### Blank (2014005-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	51.0		"	50.0		102	50-200			

##### LCS (2014005-BS1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	457	25.0	mg/kg	500		91.3	38-132			
Surrogate: n-Nonane	48.5		"	50.0		97.0	50-200			

##### Matrix Spike (2014005-MS1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	452	25.0	mg/kg	500	ND	90.5	38-132			
Surrogate: n-Nonane	49.0		"	50.0		97.9	50-200			

##### Matrix Spike Dup (2014005-MSD1)

Source: P003132-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Diesel Range Organics (C10-C28)	444	25.0	mg/kg	500	ND	88.8	38-132	1.90	20	
Surrogate: n-Nonane	47.7		"	50.0		95.4	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/01/20 15:52
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - GRO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2014007 - Purge and Trap EPA 5030A

##### Blank (2014007-BLK1)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1,2-Dichloroethane-d4	0.525		"	0.500		105	70-130			
Surrogate: Toluene-d8	0.534		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.493		"	0.500		98.5	70-130			

##### LCS (2014007-BS2)

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	53.6	20.0	mg/kg	50.0		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.512		"	0.500		102	70-130			
Surrogate: Toluene-d8	0.542		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.477		"	0.500		95.3	70-130			

##### Matrix Spike (2014007-MS2)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	52.3	20.0	mg/kg	50.0	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		"	0.500		95.7	70-130			
Surrogate: Toluene-d8	0.540		"	0.500		108	70-130			
Surrogate: Bromofluorobenzene	0.497		"	0.500		99.3	70-130			

##### Matrix Spike Dup (2014007-MSD2)

Source: P003134-01

Prepared: 03/31/20 0 Analyzed: 03/31/20 1

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Gasoline Range Organics (C6-C10)	50.5	20.0	mg/kg	50.0	ND	101	70-130	3.50	20	
Surrogate: 1,2-Dichloroethane-d4	0.498		"	0.500		99.5	70-130			
Surrogate: Toluene-d8	0.537		"	0.500		107	70-130			
Surrogate: Bromofluorobenzene	0.491		"	0.500		98.1	70-130			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 04/01/20 15:52
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2014008 - Anion Extraction EPA 300.0/9056A**

**Blank (2014008-BLK1)**

Prepared & Analyzed: 03/31/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2014008-BS1)**

Prepared & Analyzed: 03/31/20 1

Chloride	249	20.0	mg/kg	250		99.5	90-110			
----------	-----	------	-------	-----	--	------	--------	--	--	--

**Matrix Spike (2014008-MS1)**

Source: P003136-01

Prepared: 03/31/20 1 Analyzed: 03/31/20 2

Chloride	274	20.0	mg/kg	250	23.3	100	80-120			
----------	-----	------	-------	-----	------	-----	--------	--	--	--

**Matrix Spike Dup (2014008-MSD1)**

Source: P003136-01

Prepared: 03/31/20 1 Analyzed: 03/31/20 2

Chloride	270	20.0	mg/kg	250	23.3	98.9	80-120	1.44	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	04/01/20 15:52

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

Received by OGD - 5/22/2020 10:31:22 AM  
Page 131 of 146

Client: SMA - Enterprise		Report Attention		Lab Use Only			TAT		EPA Program						
Project: 58481 Wau		Report due by: 2 day rush		Lab WO# P003136		Job Number 19026-0001		1D	3D	RCRA	CWA	SDWA			
Project Manager: Ashley Maxwell		Attention: Brent Jackson		Analysis and Method									State		
Address: 201 S. Halagueño St		Address:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ
City, State, Zip Carlsbad, NM 88220		City, State, Zip		Remarks											
Phone:		Phone:													
Email: ashley.maxwell@soudermiller.com		Email: brent.jackson@soudermiller.com													

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
11:56	3/27/20	Soil	1	BH-5	1							X		
12:03				BH-4	2							X		
12:10				SW 1	3							X		
12:16				SW 2	4							X		
12:24				BS 7	5							X		

Additional Instructions:

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

Relinquished by: (Signature) Brent Jackson	Date 3/30/20	Time 11:51	Received by: (Signature) [Signature]	Date 3.30.2020	Time 1151	Lab Use Only		
Relinquished by: (Signature) [Signature]	Date 3.30.2020	Time 1640	Received by: (Signature) Raina Lopez	Date 3/31/20	Time 9:30	Received on ice: (Y) / N		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						T1	T2	T3
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA						AVG Temp °C 4		

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.



# Analytical Report

## Report Summary

Client: Enterprise

Samples Received: 4/2/2020

Job Number: 19026-0001

Work Order: P004007

Project Name/Location: 58481 WQU

Report Reviewed By:

Date: 4/3/20

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNi unless footnoted 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 the data reported.  
Envirotech, Inc, holds the Texas TNi certification T104704557-19-2 for the data reported.



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	04/03/20 12:48

### Analytical Report for Samples

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SW1	P004007-01A	Soil	04/01/20	04/02/20	Glass Jar, 4 oz.

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 04/03/20 12:48
---	--	------------------------------------

**SW1  
P004007-01 (Solid)**

Analyte	Result	Reporting			Batch	Prepared	Analyzed	Method	Notes
		Limit	Units	Dilution					

**Volatile Organics by EPA 8021**

Benzene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Toluene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Ethylbenzene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
p,m-Xylene	ND	0.0500	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
o-Xylene	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
Total Xylenes	ND	0.0250	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8021B	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %		50-150	2014025	04/02/20	04/02/20	EPA 8021B	

**Nonhalogenated Organics by 8015 - DRO/ORO**

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg	1	2014024	04/02/20	04/02/20	EPA 8015D	
Oil Range Organics (C28-C40)	ND	50.0	mg/kg	1	2014024	04/02/20	04/02/20	EPA 8015D	
<i>Surrogate: n-Nonane</i>		76.5 %		50-200	2014024	04/02/20	04/02/20	EPA 8015D	

**Nonhalogenated Organics by 8015 - GRO**

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg	1	2014025	04/02/20	04/02/20	EPA 8015D	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.7 %		50-150	2014025	04/02/20	04/02/20	EPA 8015D	

**Anions by 300.0/9056A**

Chloride	<b>118</b>	20.0	mg/kg	1	2014022	04/02/20	04/02/20	EPA 300.0/9056A	
----------	------------	------	-------	---	---------	----------	----------	--------------------	--

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/03/20 12:48
---	--	-----------------------------

### Volatile Organics by EPA 8021 - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2014025 - Purge and Trap EPA 5030A

##### Blank (2014025-BLK1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	ND	0.0250	mg/kg							
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	8.34		"	8.00		104	50-150			

##### LCS (2014025-BS1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	5.00	0.0250	mg/kg	5.00		100	70-130			
Toluene	5.04	0.0250	"	5.00		101	70-130			
Ethylbenzene	5.05	0.0250	"	5.00		101	70-130			
p,m-Xylene	10.1	0.0500	"	10.0		101	70-130			
o-Xylene	5.06	0.0250	"	5.00		101	70-130			
Total Xylenes	15.2	0.0250	"	15.0		101	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.43		"	8.00		105	50-150			

##### Matrix Spike (2014025-MS1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	5.06	0.0250	mg/kg	5.00	ND	101	54.3-133			
Toluene	5.12	0.0250	"	5.00	ND	102	61.4-130			
Ethylbenzene	5.13	0.0250	"	5.00	ND	103	61.4-133			
p,m-Xylene	10.3	0.0500	"	10.0	ND	103	63.3-131			
o-Xylene	5.16	0.0250	"	5.00	ND	103	63.3-131			
Total Xylenes	15.4	0.0250	"	15.0	ND	103	0-200			
Surrogate: 4-Bromochlorobenzene-PID	8.60		"	8.00		107	50-150			

##### Matrix Spike Dup (2014025-MSD1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Benzene	4.90	0.0250	mg/kg	5.00	ND	98.1	54.3-133	3.14	20	
Toluene	4.93	0.0250	"	5.00	ND	98.6	61.4-130	3.79	20	
Ethylbenzene	4.94	0.0250	"	5.00	ND	98.8	61.4-133	3.84	20	
p,m-Xylene	9.88	0.0500	"	10.0	ND	98.8	63.3-131	3.88	20	
o-Xylene	4.96	0.0250	"	5.00	ND	99.2	63.3-131	3.95	20	
Total Xylenes	14.8	0.0250	"	15.0	ND	98.9	0-200	3.91	200	
Surrogate: 4-Bromochlorobenzene-PID	8.40		"	8.00		105	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	Reported: 04/03/20 12:48
---	--	-----------------------------

### Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

#### Envirotech Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

#### Batch 2014024 - DRO Extraction EPA 3570

##### Blank (2014024-BLK1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	ND	25.0	mg/kg							
Oil Range Organics (C28-C40)	ND	50.0	"							
Surrogate: n-Nonane	47.4		"	50.0		94.9	50-200			

##### LCS (2014024-BS1)

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	421	25.0	mg/kg	500		84.1	38-132			
Surrogate: n-Nonane	48.0		"	50.0		96.0	50-200			

##### Matrix Spike (2014024-MS1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	456	25.0	mg/kg	500	ND	91.2	38-132			
Surrogate: n-Nonane	50.1		"	50.0		100	50-200			

##### Matrix Spike Dup (2014024-MSD1)

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Diesel Range Organics (C10-C28)	448	25.0	mg/kg	500	ND	89.6	38-132	1.84	20	
Surrogate: n-Nonane	49.9		"	50.0		99.8	50-200			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 04/03/20 12:48
---	--	------------------------------------

**Nonhalogenated Organics by 8015 - GRO - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2014025 - Purge and Trap EPA 5030A**

**Blank (2014025-BLK1)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	ND	20.0	mg/kg							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.9	50-150			

**LCS (2014025-BS2)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	47.4	20.0	mg/kg	50.0		94.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		"	8.00		92.8	50-150			

**Matrix Spike (2014025-MS2)**

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	46.5	20.0	mg/kg	50.0	ND	93.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		"	8.00		92.4	50-150			

**Matrix Spike Dup (2014025-MSD2)**

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Gasoline Range Organics (C6-C10)	45.8	20.0	mg/kg	50.0	ND	91.5	70-130	1.67	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		"	8.00		91.8	50-150			

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



Enterprise 3008 E Greene St. Carlsbad NM, 88220	Project Name: 58481 WQU Project Number: 19026-0001 Project Manager: Ashely Maxwell	<b>Reported:</b> 04/03/20 12:48
---	--	------------------------------------

**Anions by 300.0/9056A - Quality Control**

**Envirotech Analytical Laboratory**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

**Batch 2014022 - Anion Extraction EPA 300.0/9056A**

**Blank (2014022-BLK1)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride	ND	20.0	mg/kg							
----------	----	------	-------	--	--	--	--	--	--	--

**LCS (2014022-BS1)**

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride	248	20.0	mg/kg	250		99.3	90-110			
----------	-----	------	-------	-----	--	------	--------	--	--	--

**Matrix Spike (2014022-MS1)**

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride	698	20.0	mg/kg	250	405	117	80-120			
----------	-----	------	-------	-----	-----	-----	--------	--	--	--

**Matrix Spike Dup (2014022-MSD1)**

Source: P004006-01

Prepared: 04/02/20 0 Analyzed: 04/02/20 1

Chloride	665	20.0	mg/kg	250	405	104	80-120	4.90	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.

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



Enterprise	Project Name:	58481 WQU	
3008 E Greene St.	Project Number:	19026-0001	<b>Reported:</b>
Carlsbad NM, 88220	Project Manager:	Ashely Maxwell	04/03/20 12:48

**Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

\*\* Methods marked with \*\* are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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

2D

Received by QED 5/2/2020 10:31:22 AM  
Page 6 of 6

Client: <u>SMA-Enterprise</u> Project: <u>58481 WGU</u> Project Manager: <u>Ashley Maxwell</u> Address: <u>201 S. Halaguena St.</u> City, State, Zip: <u>Carlsbad, NM 88220</u> Phone: _____ Email: <u>ashley.maxwell@spudermiller.com</u>	<b>Report Attention</b> Report due by: _____ Attention: <u>Brent Jackson</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: <u>brent.jackson@spudermiller.com</u>	<b>Lab Use Only</b> Lab WO# <u>P004007</u> Job Number <u>19026-0001</u>	<b>TAT</b> 1D _____ 3D _____	<b>EPA Program</b> RCRA _____ CWA _____ SDV _____							
<b>Analysis and Method</b>			<b>State</b>								
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	NM	CO	UT	AZ

Time Sampled	Date Sampled	Matrix	No Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	TCEQ 1005	BGDOC - NM	BGDOC - TX	Remarks
9:10	4/1/20	Soil	1	SWJ	1							X		

**Additional Instructions:**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Brent Jackson</u>						Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6°C on subsequent days.					
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: <u>Y</u> / N					
<u>Brent Jackson</u>	<u>4/1/2020</u>	<u>1:25</u>	<u>[Signature]</u>	<u>4-1-2020</u>	<u>1325</u>	T1	T2	T3	AVG Temp °C		
<u>[Signature]</u>	<u>4-1-2020</u>	<u>1640</u>	<u>Raina Lopez</u>	<u>4/2/20</u>	<u>9:30</u>						
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					

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

Page 140 of 146

# APPENDIX E PHOTOLOG

# Overspray Area





### South of Road



### North of Road



NE 30 60 90 120 150 180 S

94°E (T) 32.379227, -104.308516 ±21ft ▲ 3282ft



12 Mar 2020, 13:22:15

N 0 30 60 90 120 150 180 SE

62°NE (T) 32.379201, -104.30848 ±17ft ▲ 3222ft



12 Mar 2020, 08:00

E 60 90 120 150 180 S

146°SE (T) 32.379228, -104.308376 ±10ft ▲ 3255ft



12 Mar 2020, 13:22:15

S 180 210 240 270 300 SW W NW

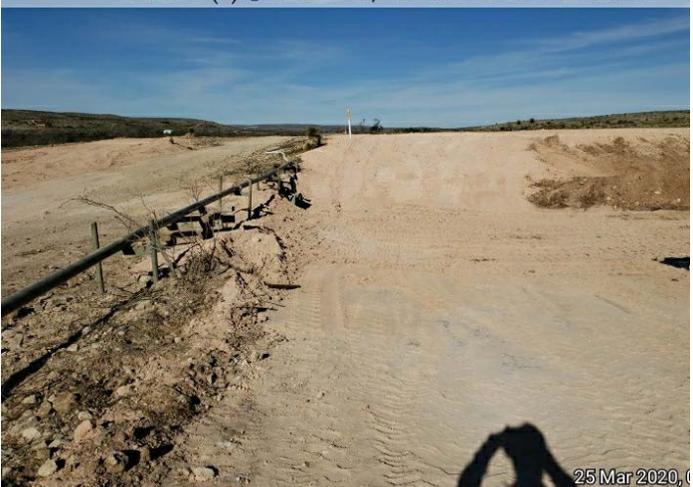
235°SW (T) 32.379216, -104.308252 ±28ft ▲ 3193ft



25 Mar 2020, 09:00

S 180 210 240 270 300 330 NW

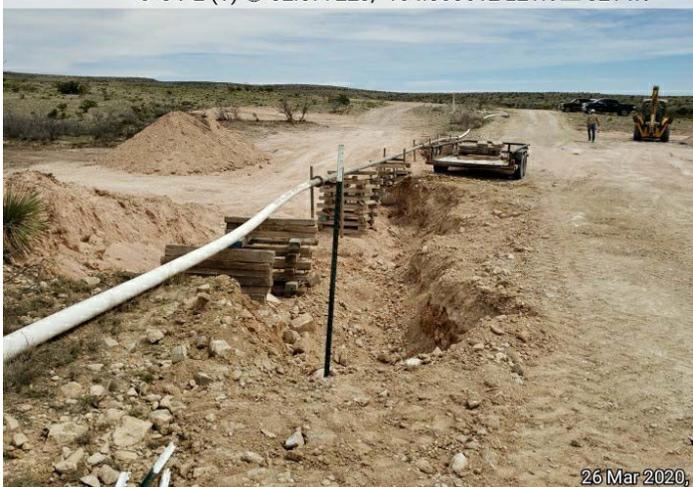
263°W (T) 32.379103, -104.308197 ±14ft ▲ 3241ft



25 Mar 2020, 09:00

N 0 30 60 90 120 150 SE

84°E (T) 32.379223, -104.308612 ±21ft ▲ 3214ft



26 Mar 2020, 09:00

### Under Road Culverts

