MCollier@H-R_Enterprises.com 575-909-0326

Site Assessment and Closure Report

Gadwall 18 Federal Com #002H
Incident# nAB1518054548
Eddy County, New Mexico

Prepared For:

Cimarex Energy Co. of Colorado
6001 Deauville Blvd. Suite 300N
Midland, TX 79706

Prepared By:

H&R Enterprises, LLC
5120 W. Kansas St.
Hobbs, New Mexico 88242

November 28, 2023

Mr. Mike Bratcher
NMOCD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Subject: **Site Assessment and Closure Report**
Gadwall 18 Federal Com #002H
Eddy County, NM

Dear Mr. Bratcher,

Cimarex Energy Co. of Colorado has contracted H&R Enterprises (H&R) to perform site assessment sampling services at the above-referenced location. The results of our site assessment sampling activities are contained herein.

Site Information

The Gadwall 18 Federal Com #002H is located approximately 17 miles South of Carlsbad, New Mexico. The legal location for this release is Unit Letter C, Section 18, Township 25 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.136998 North and -104.234591 West. Site plans are presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Reeves-Gypsum land complex, 0 to 3 percent slopes. The referenced soil data is attached in Appendix II. Drainage courses in this area are typically dry. The project site is located in a high Karst potential area (Karst Map, Appendix I).

Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 14-feet below ground surface (BGS). See Appendix II for the referenced groundwater data.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29, NMAC.

Approximate Depth to Groundwater	**14 Feet/BGS**

☐ Yes ☒ No	Within 300 feet of any continuously flowing watercourse or any other significant watercourse
☐ Yes ☒ No	Within 200 feet of any lakebed, sinkhole, or a playa lake
☐ Yes ☒ No	Within 300 feet from an occupied permanent residence, school, hospital, institution, or church
☐ Yes ☒ No	Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
☐ Yes ☒ No	Within 1000 feet of any freshwater well or spring
☐ Yes ☒ No	Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978
☐ Yes ☒ No	Within 300 feet of a wetland
☐ Yes ☒ No	Within the area overlying a subsurface mine
☒ Yes ☐ No	Within an unstable area
☐ Yes ☒ No	Within a 100-year floodplain

As this is a site assessment in a high karst area, as well as being in an area with a depth to groundwater of less than 50-feet BGS, the closure criteria for this site is as follows:

Table I			
Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
≤ 50 feet	Chloride **	EPA 300.0 or SM4500 CIB	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

On June 01, 2015, it was discovered that a surface poly line had ruptured and sprayed a large area of the right-of-way and pasture area. A total of 15 barrels (bbls) were released with 0 bbls being recovered.

Site Assessment and Reclamation Activities

H&R mobilized personnel to begin site assessment sampling activities of the release area. Grab samples were obtained by way of hand auguring the release area. Samples collected were transported to Eurofins Laboratory for analysis and the results are presented in the following data table. Site assessment sampling locations are illustrated on Site Assessment Map, Appendix I. Photographic documentation is attached in Appendix IV. Complete laboratory reports can be found in Appendix V.

Table 1: Site Assessment Soil Samples Analysis

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	100 mg/kg			100 mg/kg	600 mg/kg
S-1	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	ND
		2'	ND	ND	ND	ND	ND	0	ND
		3' R	ND	ND	ND	ND	ND	0	6.33
S-2	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	5.09
		2'	ND	ND	ND	50.4	ND	50.4	ND
		3' R	ND	ND	ND	ND	ND	0	8.8
S-3	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	9.7
		2'	ND	ND	ND	ND	ND	0	44.1
		3' R	ND	ND	ND	ND	ND	0	11.1
S-4	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	9.55
		2'	ND	ND	ND	ND	ND	0	9.43
		3' R	ND	ND	ND	ND	ND	0	9.12
S-5	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	11.4
		2'	ND	ND	ND	ND	ND	0	11.4
		3' R	ND	ND	ND	ND	ND	0	50
S-6	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	10.3
		2'	ND	ND	ND	ND	ND	0	16.7
		3' R	ND	ND	ND	ND	ND	0	11.4
S-7	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	9.87
		2'	ND	ND	ND	ND	ND	0	9.5
		3' R	ND	ND	ND	ND	ND	0	13.3
S-8	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	11.1
		2'	ND	ND	ND	ND	ND	0	10.6
		3' R	ND	ND	ND	ND	ND	0	11.7
S-9	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	ND
		2'	ND	ND	ND	ND	ND	0	ND
		3' R	ND	ND	ND	ND	ND	0	ND
S-10	11/14/2023	0-1'	ND	ND	ND	ND	ND	0	17
		2'	ND	ND	ND	ND	ND	0	7.39
		3' R	ND	ND	ND	ND	ND	0	ND

ND= No Analyte Detected S= Sample Point

Closure

Based on the site assessment sampling results completed for this project, on behalf of Cimarex Energy Co. of Colorado, we request that no further actions be required, and that closure of this incident be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-909-0326.

Respectfully submitted,

H&R Enterprises, LLC

Michael Collier

Michael Collier
Environmental Project Manager

Attachments:

Appendix I Site Maps
Appendix II Soil Survey, Groundwater Data, FEMA Flood Zone
Appendix III Initial and Final C-141
Appendix IV Photographic Documentation
Appendix V Laboratory Reports

APPENDIX I

SITE MAPS

KARST MAP

TOPOGRAPHIC MAP

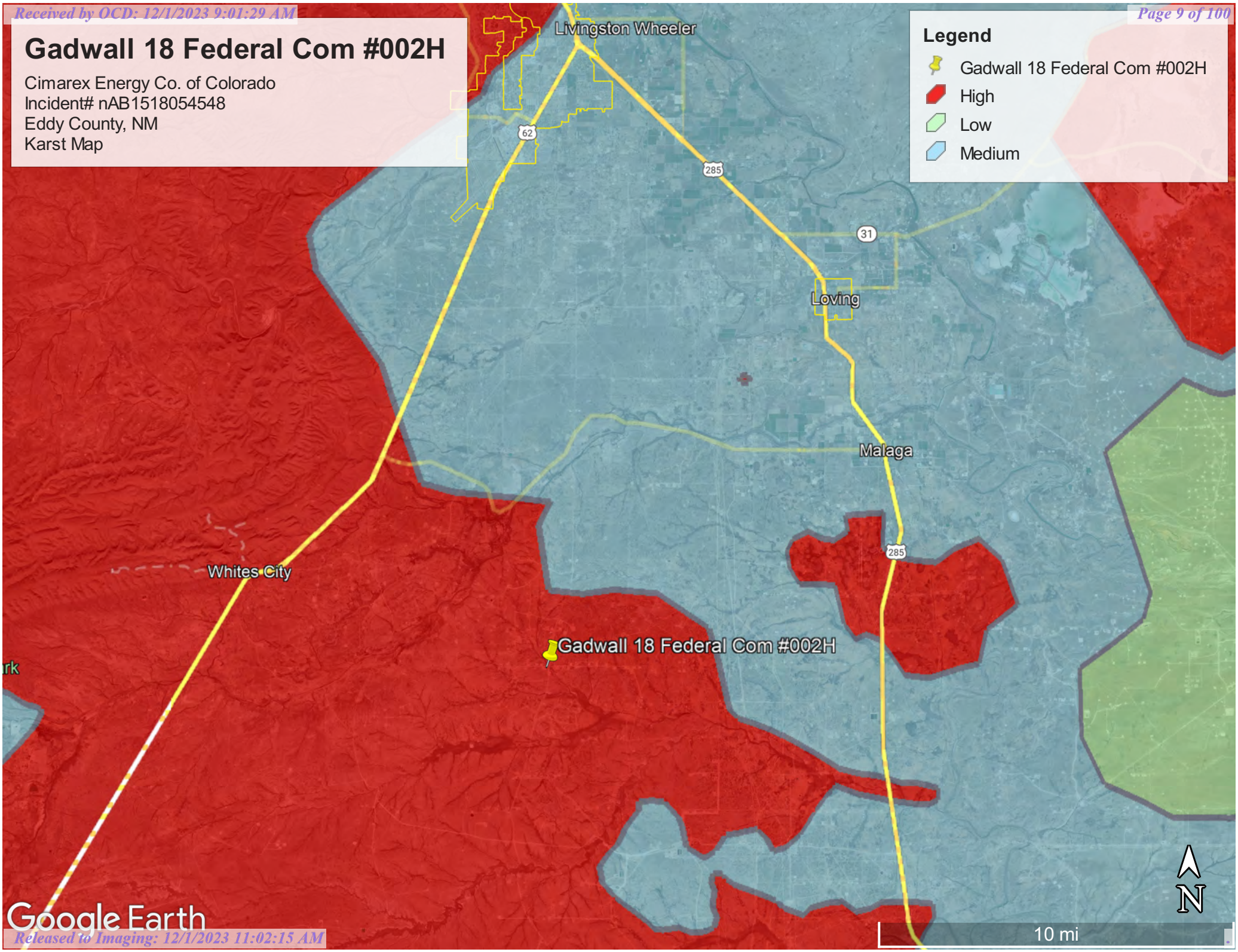
LOCATOR MAP

Gadwall 18 Federal Com #002H

Cimarex Energy Co. of Colorado
Incident# nAB1518054548
Eddy County, NM
Site Assessment Map

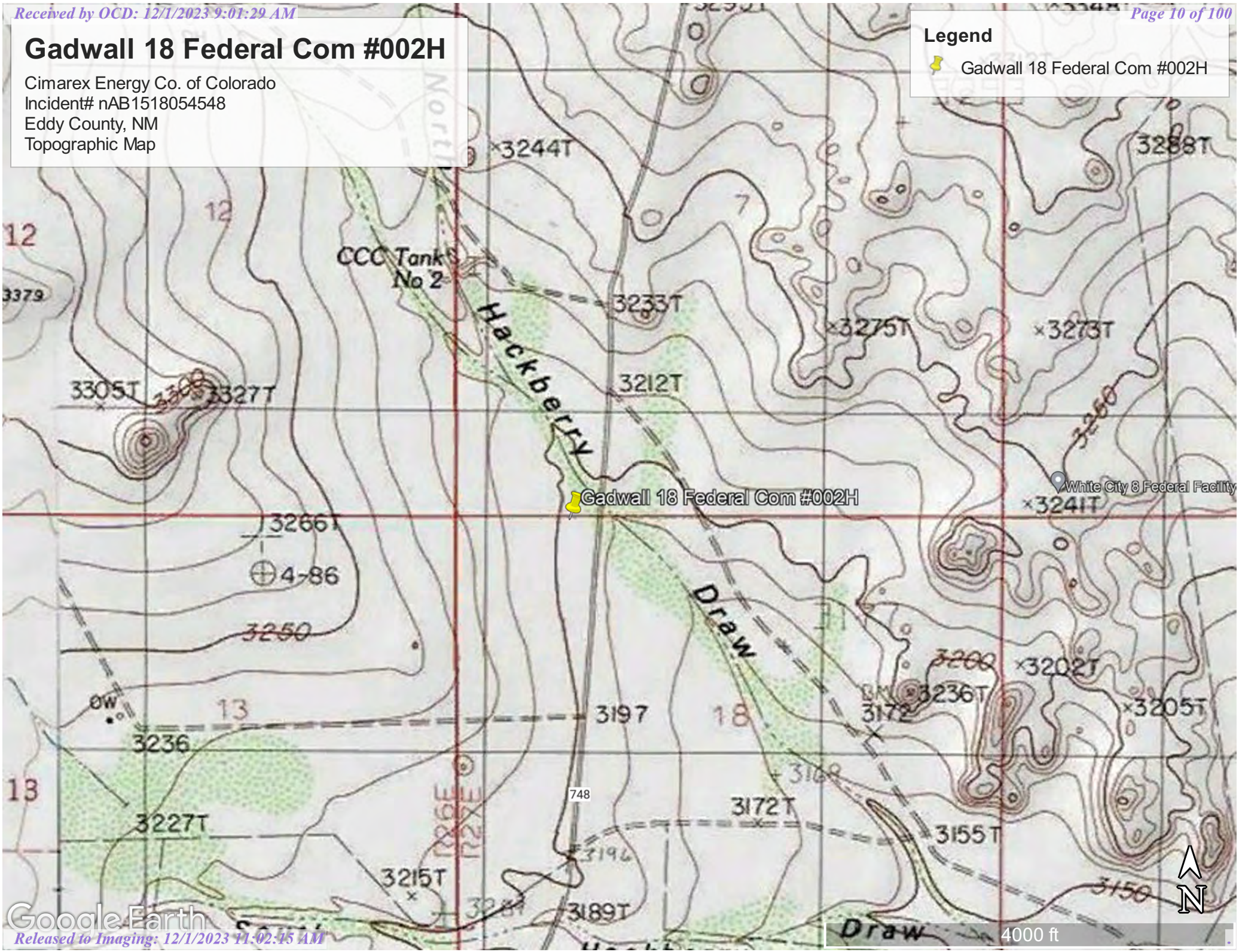
Gadwall 18 Federal Com #002H

Cimarex Energy Co. of Colorado
Incident# nAB1518054548
Eddy County, NM
Karst Map



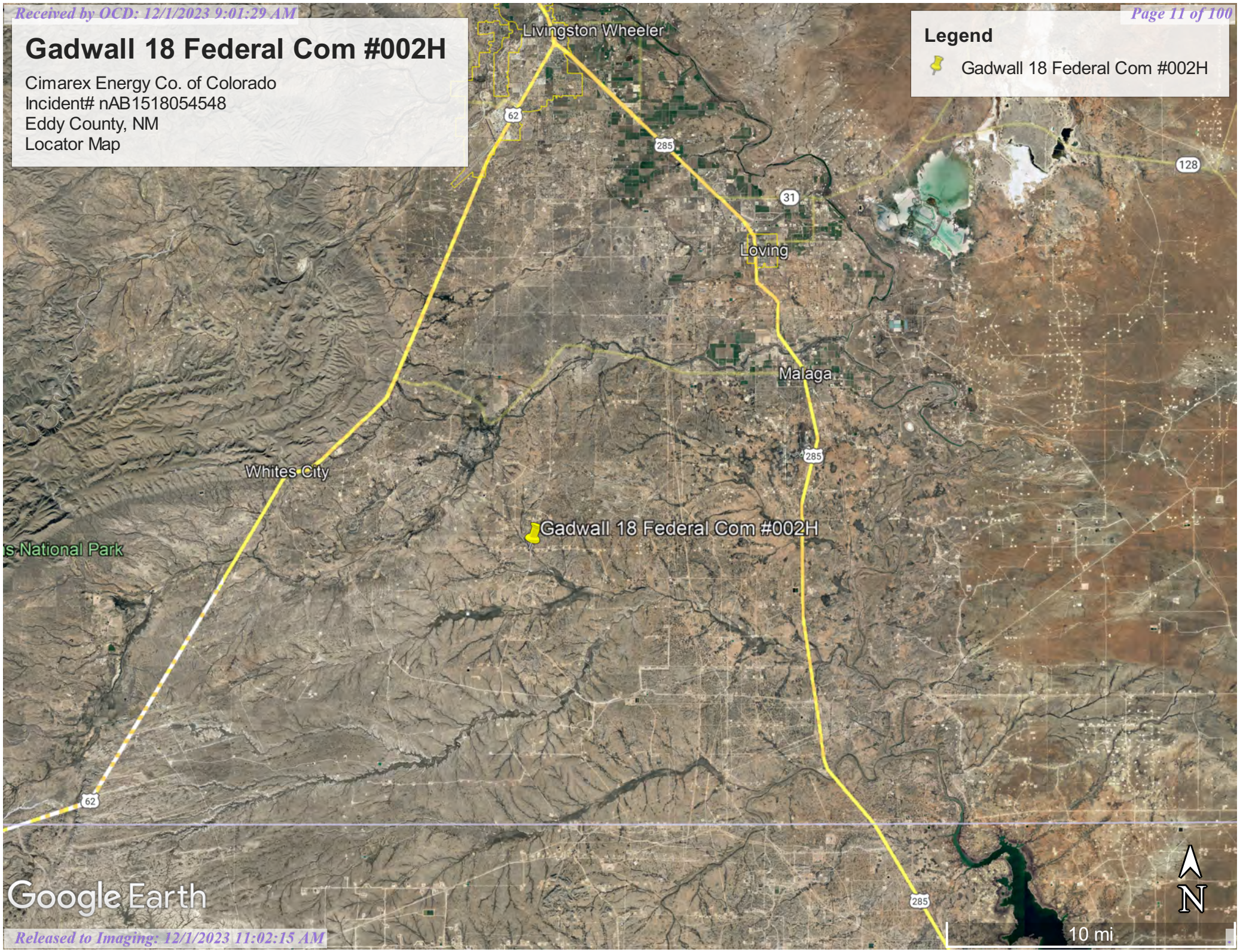
Gadwall 18 Federal Com #002H

Cimarex Energy Co. of Colorado
Incident# nAB1518054548
Eddy County, NM
Topographic Map



Gadwall 18 Federal Com #002H

Cimarex Energy Co. of Colorado
Incident# nAB1518054548
Eddy County, NM
Locator Map



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

FEMA FLOOD ZONE

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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 03654 POD1		CUB	ED	2	3	1	24	25S	26E	570654	3553773	2605			
C 03261 POD1		CUB	ED	3	2	1	20	25S	27E	574007	3554006*	2608	351		
C 03569 POD1		CUB	ED	2	1	1	14	25S	26E	568862	3555746	3331	30	0	30
C 02221		CUB	ED	4	3	2	25	25S	26E	571412	3551961*	3993	35		
C 02220		CUB	ED	3	1	2	26	25S	26E	569598	3552352*	4375	35		
C 01013		C	ED			4	25	25S	26E	571505	3551456*	4474	245		
C 03655 POD3		CUB	ED	1	4	4	22	25S	26E	568458	3553019	4700			
C 04329 POD1		C	ED	2	2	2	27	25S	26E	568577	3552567	4900	57	14	43

Average Depth to Water: **7 feet**

Minimum Depth: **0 feet**

Maximum Depth: **14 feet**

Record Count: 8

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 572190.21 **Northing (Y):** 3555877.56 **Radius:** 5000

***UTM location was derived from PLSS - see Help**

11/28/23 9:49 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Eddy Area, New Mexico

RG—Reeves-Gypsum land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5f
Elevation: 1,250 to 5,000 feet
Mean annual precipitation: 10 to 25 inches
Mean annual air temperature: 57 to 70 degrees F
Frost-free period: 190 to 235 days
Farmland classification: Not prime farmland

Map Unit Composition

Reeves and similar soils: 55 percent
Gypsum land: 30 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: loam
H2 - 8 to 32 inches: clay loam
H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 25 percent
Gypsum, maximum content: 80 percent
Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio, maximum: 4.0
Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills
Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope
Landform position (three-dimensional): Side slope, head slope, nose slope, crest
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8s
Hydric soil rating: No

Minor Components

Reagan

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Largo

Percent of map unit: 5 percent
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Cottonwood

Percent of map unit: 5 percent
Ecological site: R070BC033NM - Salty Bottomland
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

National Flood Hazard Layer FIRMette

FEMA

104°14'23"W 32°8'28"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°13'46"W 32°7'58"N

Basemap Imagery Source: USGS National Map 2023

Legend

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

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

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

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

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

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/28/2023 at 11:53 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

APPENDIX III

INITIAL C-141

FINAL C-141

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

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

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

nAB1518054548

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Cimarex Energy 162683	Contact Christine Alderman
Address 600 N Marienfeld Ste 600 Midland TX	Telephone No. 432-853-7059
Facility Name Gadwall 18 Fed Com 2H	Facility Type production

Surface Owner Federal	Mineral Owner	API No. 30-015-39141

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
C	18	25S	27E	150	N	2310	W	Eddy

Latitude_32.13681_Longitude_-104.23044_

NATURE OF RELEASE

Type of Release produced water	Volume of Release 15 bbls	Volume Recovered 0
Source of Release poly flowline	Date and Hour of Occurrence 06/1/2015	Date and Hour of Discovery 06/1/2015
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher/BLM	
By Whom? Christine Alderman	Date and Hour 6/1/2015 4:00pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

NM OIL CONSERVATION
ARTESIA DISTRICT
JUN 26 2015
RECEIVED

Describe Cause of Problem and Remedial Action Taken.*
Poly flowline ruptured

Describe Area Affected and Cleanup Action Taken.*
ROW area of pasture on the west side of John D Forehan Rd. Spray impacted large area of pasture to south of release. Diversified will assess and develop workplan.

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

Signature: Christine Alderman

Printed Name: Christine Alderman

Title: ESH Supervisor

E-mail Address: calderman@cimarex.com

Date: 6/26/2015 Phone: 432-853-7059

OIL CONSERVATION DIVISION

Approved by Environmental Specialist:

Approval Date: 6/29/15 Expiration Date: N/A

Conditions of Approval: Attached ☐
Remediation per O.C.D. Rules & Guidelines
SUBMIT REMEDIATION PROPOSAL NO LATER THAN: 7/30/15

2RP-3077

* Attach Additional Sheets If Necessary

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ Title: _____

Signature: Laci Lo Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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

Printed Name: _____ Title: _____

Signature: Laci Lo _____ Date: _____

email: _____ Telephone: _____

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: Brittany Hall Date: 12/1/2023

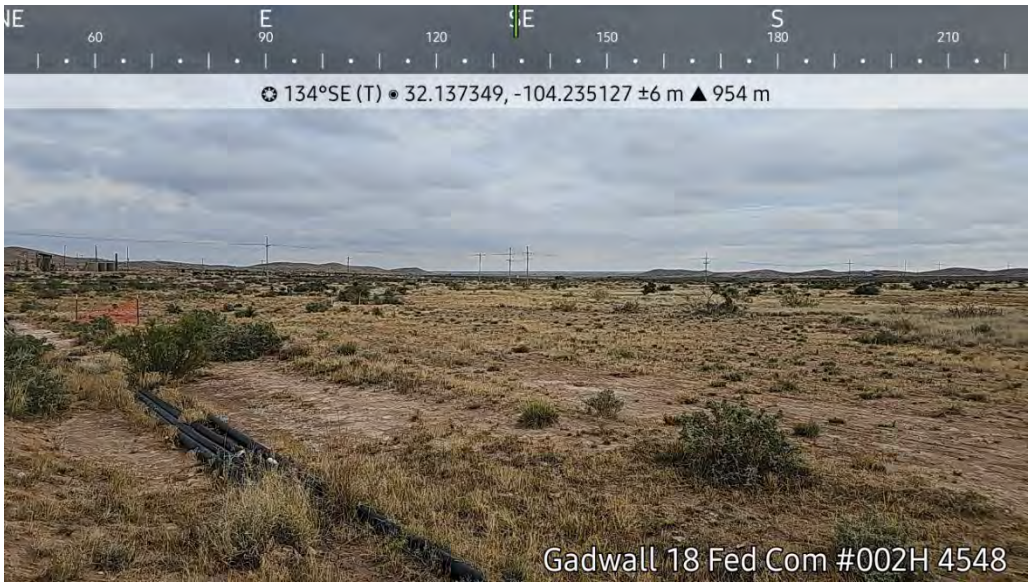
Printed Name: Brittany Hall Title: Environmental Specialist

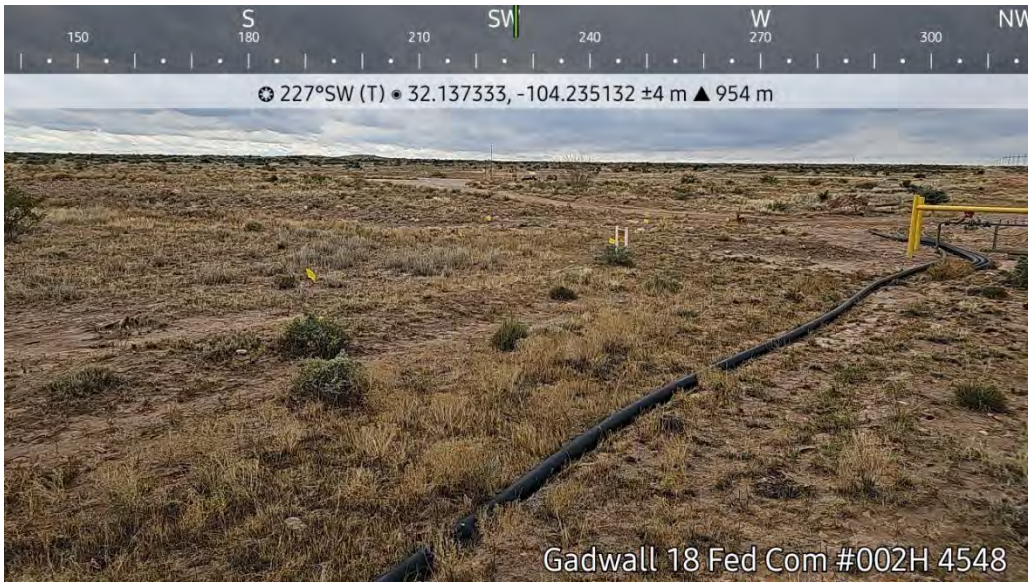
APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

HISTORICAL RELEASE AREA PHOTOGRAPHS





PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

SAMPLE POINT PHOTOGRAPHS

S-1

S-2

PHOTOGRAPHIC DOCUMENTATION

S-3

S-4

PHOTOGRAPHIC DOCUMENTATION

S-5

S-6

PHOTOGRAPHIC DOCUMENTATION

S-7

S-8

PHOTOGRAPHIC DOCUMENTATION

S-9

S-10

APPENDIX V

LABORATORY REPORTS

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Michael Collier
H & R Enterprises
5120 W Kansas St
Hobbs, New Mexico 88242

Generated 11/27/2023 4:39:06 PM

JOB DESCRIPTION

GADWALL FED COM # 002H

JOB NUMBER

890-5640-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

my EOL

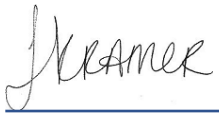
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Client: H & R Enterprises
Project/Site: GADWALL FED COM # 002H

Laboratory Job ID: 890-5640-1

Table of Contents

Definitions/Glossary

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Definitions/Glossary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Job ID: 890-5640-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-5640-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 11/15/2023 2:51 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S - 1 0-1' (890-5640-1), S - 1 2' (890-5640-2), S - 1 3'R (890-5640-3), S - 2 0-1' (890-5640-4), S - 2 2' (890-5640-5), S - 2 3'R (890-5640-6), S - 3 0-1' (890-5640-7), S - 3 2' (890-5640-8), S - 3 3'R (890-5640-9), S - 4 0-1' (890-5640-10), S - 4 2' (890-5640-11), S - 4 3'R (890-5640-12), S - 5 0-1' (890-5640-13), S - 5 2' (890-5640-14), S - 5 3'R (890-5640-15), S - 6 0-1' (890-5640-16), S - 6 2' (890-5640-17), S - 6 3'R (890-5640-18), S - 7 0-1' (890-5640-19), S - 7 2' (890-5640-20), S - 7 3'R (890-5640-21), S - 8 0-1' (890-5640-22), S - 8 2' (890-5640-23), S - 8 3'R (890-5640-24), S - 9 0-1' (890-5640-25), S - 9 2' (890-5640-26), S - 9 3'R (890-5640-27), S - 10 0-1' (890-5640-28), S - 10 2' (890-5640-29) and S - 10 3'R (890-5640-30).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67438 and analytical batch 880-67556 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S - 9 3'R (890-5640-27), S - 10 0-1' (890-5640-28), S - 10 2' (890-5640-29), S - 10 3'R (890-5640-30), (CCV 880-67530/2), (CCV 880-67530/20), (CCV 880-67530/33), (CCV 880-67530/51), (LCS 880-67462/1-A), (LCSD 880-67462/2-A), (MB 880-67386/5-A), (MB 880-67462/5-A), (890-5640-A-27-E MS) and (890-5640-A-27-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-67438 and analytical batch 880-67556 recovered outside control limits for the following analytes: o-Xylene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-67425 and analytical batch 880-67632 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-67425 and analytical batch 880-67632 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S - 1 0-1' (890-5640-1) and (890-5640-A-1-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-67425 and analytical batch 880-67632 recovered outside control limits for the following analytes: m-Xylene & p-Xylene. LCSD biased low for m-Xylene & p-Xylene, since only an acceptable LCS is required per the method, the data has been qualified and reported.

Case Narrative

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Job ID: 890-5640-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 1 0-1' (890-5640-1), S - 1 2' (890-5640-2), S - 1 3'R (890-5640-3), (890-5639-A-19-C), (890-5639-A-19-D MS) and (890-5639-A-19-E MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S - 7 0-1' (890-5640-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 9 0-1' (890-5640-25) and (890-5640-A-25-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-67423 and analytical batch 880-67486 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-67422 and analytical batch 880-67488 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 9 2' (890-5640-26), S - 9 3'R (890-5640-27), S - 10 0-1' (890-5640-28), S - 10 3'R (890-5640-30) and (890-5640-A-25-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-67423 and analytical batch 880-67486 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 3 0-1' (890-5640-7), S - 3 2' (890-5640-8) and S - 4 2' (890-5640-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S - 6 0-1' (890-5640-16), S - 6 3'R (890-5640-18), S - 7 2' (890-5640-20), S - 7 3'R (890-5640-21), S - 8 0-1' (890-5640-22), S - 8 2' (890-5640-23) and S - 8 3'R (890-5640-24). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 1 0-1'
Lab Sample ID: 890-5640-1
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:39	11/22/23 16:41	1
Toluene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:39	11/22/23 16:41	1
Ethylbenzene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:39	11/22/23 16:41	1
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.00396		mg/Kg		11/20/23 12:39	11/22/23 16:41	1
o-Xylene	<0.00198	U F1	0.00198		mg/Kg		11/20/23 12:39	11/22/23 16:41	1
Xylenes, Total	<0.00396	U F1	0.00396		mg/Kg		11/20/23 12:39	11/22/23 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/23 12:39*	*11/22/23 16:41*	*1*
1,4-Difluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*11/20/23 12:39*	*11/22/23 16:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/22/23 16:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 04:14	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 08:27	11/21/23 04:14	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 08:27	11/21/23 04:14	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 08:27	11/21/23 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*11/20/23 08:27*	*11/21/23 04:14*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/20/23 08:27*	*11/21/23 04:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			11/17/23 23:35	1

Client Sample ID: S - 1 2'
Lab Sample ID: 890-5640-2
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 17:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 17:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 17:07	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		11/20/23 12:39	11/22/23 17:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 17:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 12:39	11/22/23 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*11/20/23 12:39*	*11/22/23 17:07*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/20/23 12:39*	*11/22/23 17:07*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 1 2'
Lab Sample ID: 890-5640-2
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/22/23 17:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/21/23 04:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 08:27	11/21/23 04:35	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 08:27	11/21/23 04:35	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 08:27	11/21/23 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*11/20/23 08:27*	*11/21/23 04:35*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/20/23 08:27*	*11/21/23 04:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			11/17/23 23:40	1

Client Sample ID: S - 1 3'R
Lab Sample ID: 890-5640-3
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 17:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 17:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 17:34	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		11/20/23 12:39	11/22/23 17:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 17:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:39	11/22/23 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/20/23 12:39*	*11/22/23 17:34*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*11/20/23 12:39*	*11/22/23 17:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/22/23 17:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/21/23 04:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 08:27	11/21/23 04:56	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 08:27	11/21/23 04:56	1

Client Sample Results

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 1 3'R — Lab Sample ID: 890-5640-3

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 08:27	11/21/23 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*150*	*S1+*	*70 - 130*	*11/20/23 08:27*	*11/21/23 04:56*	*1*
o-Terphenyl	*128*		*70 - 130*	*11/20/23 08:27*	*11/21/23 04:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.33**		5.03		mg/Kg			11/17/23 23:46	1

Client Sample ID: S - 2 0-1' — Lab Sample ID: 890-5640-4

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 18:00	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 18:00	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 18:00	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		11/20/23 12:39	11/22/23 18:00	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 18:00	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:39	11/22/23 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:00*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/22/23 18:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<51.0	U	51.0		mg/Kg			11/21/23 05:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<51.0	U	51.0		mg/Kg		11/20/23 08:27	11/21/23 05:17	1
Diesel Range Organics (Over C10-C28)	<51.0	U	51.0		mg/Kg		11/20/23 08:27	11/21/23 05:17	1
OII Range Organics (Over C28-C36)	<51.0	U	51.0		mg/Kg		11/20/23 08:27	11/21/23 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*11/20/23 08:27*	*11/21/23 05:17*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/20/23 08:27*	*11/21/23 05:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.09**		5.01		mg/Kg			11/17/23 23:52	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 2 2'
Lab Sample ID: 890-5640-5
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 18:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 18:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 18:26	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		11/20/23 12:39	11/22/23 18:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 18:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 12:39	11/22/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:26*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/22/23 18:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.4**		49.6		mg/Kg			11/21/23 21:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/21/23 21:16	1
Diesel Range Organics (Over C10-C28)	**50.4**	**F1**	49.6		mg/Kg		11/20/23 12:19	11/21/23 21:16	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/21/23 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/20/23 12:19*	*11/21/23 21:16*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/20/23 12:19*	*11/21/23 21:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.05	U	5.05		mg/Kg			11/17/23 23:57	1

Client Sample ID: S - 2 3'R
Lab Sample ID: 890-5640-6
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 18:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 18:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 18:52	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397		mg/Kg		11/20/23 12:39	11/22/23 18:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 18:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 12:39	11/22/23 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:52*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/20/23 12:39*	*11/22/23 18:52*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 2 3'R
Lab Sample ID: 890-5640-6
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/22/23 18:52	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/21/23 22:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/21/23 22:25	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/21/23 22:25	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/21/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*11/20/23 12:19*	*11/21/23 22:25*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/20/23 12:19*	*11/21/23 22:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.80**		5.01		mg/Kg			11/18/23 00:03	1

Client Sample ID: S - 3 0-1'
Lab Sample ID: 890-5640-7
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 19:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 19:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 19:19	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		11/20/23 12:39	11/22/23 19:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 19:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 12:39	11/22/23 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*11/20/23 12:39*	*11/22/23 19:19*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*11/20/23 12:39*	*11/22/23 19:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/22/23 19:19	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/21/23 22:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/21/23 22:48	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/21/23 22:48	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 3 0-1'

Lab Sample ID: 890-5640-7
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/21/23 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*74*		*70 - 130*	*11/20/23 12:19*	*11/21/23 22:48*	*1*
o-Terphenyl	*67*	*S1-*	*70 - 130*	*11/20/23 12:19*	*11/21/23 22:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.70**		5.04		mg/Kg			11/18/23 00:48	1

Client Sample ID: S - 3 2'

Lab Sample ID: 890-5640-8
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 19:45	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 19:45	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 19:45	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		11/20/23 12:39	11/22/23 19:45	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 19:45	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:39	11/22/23 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/20/23 12:39*	*11/22/23 19:45*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*11/20/23 12:39*	*11/22/23 19:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/22/23 19:45	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 23:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:11	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*11/20/23 12:19*	*11/21/23 23:11*	*1*
o-Terphenyl	*137*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/21/23 23:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**44.1**		5.03		mg/Kg			11/18/23 01:05	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 3 3'R
Lab Sample ID: 890-5640-9
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 20:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 20:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 20:11	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		11/20/23 12:39	11/22/23 20:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/22/23 20:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/20/23 12:39	11/22/23 20:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*11/20/23 12:39*	*11/22/23 20:11*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*11/20/23 12:39*	*11/22/23 20:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/22/23 20:11	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 23:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:34	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/21/23 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*11/20/23 12:19*	*11/21/23 23:34*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/20/23 12:19*	*11/21/23 23:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		5.04		mg/Kg			11/18/23 01:11	1

Client Sample ID: S - 4 0-1'
Lab Sample ID: 890-5640-10
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 20:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 20:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 20:38	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		11/20/23 12:39	11/22/23 20:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/22/23 20:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:39	11/22/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/20/23 12:39*	*11/22/23 20:38*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/20/23 12:39*	*11/22/23 20:38*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 4 0-1'
Lab Sample ID: 890-5640-10
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/22/23 20:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/21/23 23:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 23:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 23:57	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/20/23 12:19*	*11/21/23 23:57*	*1*
o-Terphenyl	*127*		*70 - 130*	*11/20/23 12:19*	*11/21/23 23:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.55**		4.97		mg/Kg			11/18/23 01:17	1

Client Sample ID: S - 4 2'
Lab Sample ID: 890-5640-11
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 22:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 22:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 22:25	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		11/20/23 12:39	11/22/23 22:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 22:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 12:39	11/22/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/20/23 12:39*	*11/22/23 22:25*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/20/23 12:39*	*11/22/23 22:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/22/23 22:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/22/23 00:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 00:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 00:19	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 4 2'

Lab Sample ID: 890-5640-11
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 00:19*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 00:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.43**		4.96		mg/Kg			11/18/23 01:22	1

Client Sample ID: S - 4 3'R

Lab Sample ID: 890-5640-12
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 22:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 22:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 22:50	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		11/20/23 12:39	11/22/23 22:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/22/23 22:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 12:39	11/22/23 22:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/23 12:39*	*11/22/23 22:50*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*11/20/23 12:39*	*11/22/23 22:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/22/23 22:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 00:42	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 00:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 00:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*11/20/23 12:19*	*11/22/23 00:42*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/20/23 12:19*	*11/22/23 00:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.12**		5.03		mg/Kg			11/18/23 01:39	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 5 0-1'
Lab Sample ID: 890-5640-13
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 23:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 23:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 23:16	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		11/20/23 12:39	11/22/23 23:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 23:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/20/23 12:39	11/22/23 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*11/20/23 12:39*	*11/22/23 23:16*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*11/20/23 12:39*	*11/22/23 23:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/22/23 23:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			11/22/23 01:06	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		11/20/23 12:19	11/22/23 01:06	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		11/20/23 12:19	11/22/23 01:06	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		11/20/23 12:19	11/22/23 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/20/23 12:19*	*11/22/23 01:06*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/20/23 12:19*	*11/22/23 01:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		4.98		mg/Kg			11/18/23 01:45	1

Client Sample ID: S - 5 2'
Lab Sample ID: 890-5640-14
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 23:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 23:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 23:41	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		11/20/23 12:39	11/22/23 23:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/22/23 23:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 12:39	11/22/23 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/20/23 12:39*	*11/22/23 23:41*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/20/23 12:39*	*11/22/23 23:41*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 5 2'
Lab Sample ID: 890-5640-14
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/22/23 23:41	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 01:29	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 01:29	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 01:29	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*11/20/23 12:19*	*11/22/23 01:29*	*1*
o-Terphenyl	*124*		*70 - 130*	*11/20/23 12:19*	*11/22/23 01:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		5.01		mg/Kg			11/18/23 01:50	1

Client Sample ID: S - 5 3'R
Lab Sample ID: 890-5640-15
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 00:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 00:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 00:07	1
m-Xylene & p-Xylene	<0.00397	U *- *1	0.00397		mg/Kg		11/20/23 12:39	11/23/23 00:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 00:07	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/20/23 12:39	11/23/23 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:07*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/23/23 00:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/22/23 02:15	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/20/23 12:19	11/22/23 02:15	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/20/23 12:19	11/22/23 02:15	1

Client Sample Results

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 5 3'R

Lab Sample ID: 890-5640-15

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/20/23 12:19	11/22/23 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/20/23 12:19*	*11/22/23 02:15*	*1*
o-Terphenyl	*130*		*70 - 130*	*11/20/23 12:19*	*11/22/23 02:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.0**		5.01		mg/Kg			11/18/23 01:56	1

Client Sample ID: S - 6 0-1'

Lab Sample ID: 890-5640-16

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/23/23 00:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/23/23 00:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/23/23 00:33	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		11/20/23 12:39	11/23/23 00:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 12:39	11/23/23 00:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 12:39	11/23/23 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:33*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/23/23 00:33	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 02:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 02:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 02:39	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 02:39*	*1*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 02:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		4.98		mg/Kg			11/18/23 02:02	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 6 2'
Lab Sample ID: 890-5640-17
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/23/23 00:59	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/23/23 00:59	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/23/23 00:59	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		11/20/23 12:39	11/23/23 00:59	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 12:39	11/23/23 00:59	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 12:39	11/23/23 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:59*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/20/23 12:39*	*11/23/23 00:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/23/23 00:59	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/22/23 03:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 03:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 03:02	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:19	11/22/23 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*11/20/23 12:19*	*11/22/23 03:02*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/20/23 12:19*	*11/22/23 03:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16.7**		4.98		mg/Kg			11/18/23 02:07	1

Client Sample ID: S - 6 3'R
Lab Sample ID: 890-5640-18
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/23/23 01:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/23/23 01:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/23/23 01:25	1
m-Xylene & p-Xylene	<0.00401	U *- *1	0.00401		mg/Kg		11/20/23 12:39	11/23/23 01:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/23/23 01:25	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/20/23 12:39	11/23/23 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/20/23 12:39*	*11/23/23 01:25*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*11/20/23 12:39*	*11/23/23 01:25*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 6 3'R
Lab Sample ID: 890-5640-18
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/23/23 01:25	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/22/23 03:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/22/23 03:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/22/23 03:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/22/23 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 03:25*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 03:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.4**		5.01		mg/Kg			11/18/23 02:24	1

Client Sample ID: S - 7 0-1'
Lab Sample ID: 890-5640-19
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 01:51	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 01:51	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 01:51	1
m-Xylene & p-Xylene	<0.00396	U *- *1	0.00396		mg/Kg		11/20/23 12:39	11/23/23 01:51	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 12:39	11/23/23 01:51	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 12:39	11/23/23 01:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/20/23 12:39*	*11/23/23 01:51*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/20/23 12:39*	*11/23/23 01:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/23/23 01:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/22/23 03:49	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 03:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 03:49	1

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Client Sample Results

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 7 0-1' Lab Sample ID: 890-5640-19

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 12:19	11/22/23 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 03:49*	*1*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 03:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.87**		4.95		mg/Kg			11/18/23 02:30	1

Client Sample ID: S - 7 2' Lab Sample ID: 890-5640-20

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/23/23 02:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/23/23 02:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/23/23 02:18	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		11/20/23 12:39	11/23/23 02:18	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 12:39	11/23/23 02:18	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 12:39	11/23/23 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*11/20/23 12:39*	*11/23/23 02:18*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/20/23 12:39*	*11/23/23 02:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/23/23 02:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 04:12	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:12	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:12	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/20/23 12:19*	*11/22/23 04:12*	*1*
o-Terphenyl	*133*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 04:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.50**		5.01		mg/Kg			11/18/23 02:47	1

Client Sample Results

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 7 3'R

Lab Sample ID: 890-5640-21
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/21/23 22:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/21/23 22:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/21/23 22:55	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/20/23 14:09	11/21/23 22:55	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		11/20/23 14:09	11/21/23 22:55	1
Xylenes, Total	<0.00397	U *1	0.00397		mg/Kg		11/20/23 14:09	11/21/23 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/20/23 14:09*	*11/21/23 22:55*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/20/23 14:09*	*11/21/23 22:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			11/21/23 22:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/22/23 04:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:34	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:34	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/20/23 12:19	11/22/23 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*11/20/23 12:19*	*11/22/23 04:34*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 04:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.3**		5.04		mg/Kg			11/18/23 02:53	1

Client Sample ID: S - 8 0-1'

Lab Sample ID: 890-5640-22
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:16	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 14:09	11/21/23 23:16	1
o-Xylene	<0.00202	U *1	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:16	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		11/20/23 14:09	11/21/23 23:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:16*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:16*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 8 0-1'
Lab Sample ID: 890-5640-22
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 23:16	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/22/23 04:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 12:19	11/22/23 04:56	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 12:19	11/22/23 04:56	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 12:19	11/22/23 04:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 04:56*	*1*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 04:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.1**		5.01		mg/Kg			11/18/23 02:58	1

Client Sample ID: S - 8 2'
Lab Sample ID: 890-5640-23
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 14:09	11/21/23 23:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 14:09	11/21/23 23:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 14:09	11/21/23 23:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 14:09	11/21/23 23:37	1
o-Xylene	<0.00201	U *1	0.00201		mg/Kg		11/20/23 14:09	11/21/23 23:37	1
Xylenes, Total	<0.00402	U *1	0.00402		mg/Kg		11/20/23 14:09	11/21/23 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:37*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/21/23 23:37	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/22/23 05:17	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 05:17	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 05:17	1

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Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 8 2'

Lab Sample ID: 890-5640-23
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/20/23 12:19	11/22/23 05:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 05:17*	*1*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 05:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.6**		5.02		mg/Kg			11/18/23 03:04	1

Client Sample ID: S - 8 3'R

Lab Sample ID: 890-5640-24
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:57	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:57	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:57	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/20/23 14:09	11/21/23 23:57	1
o-Xylene	<0.00202	U *1	0.00202		mg/Kg		11/20/23 14:09	11/21/23 23:57	1
Xylenes, Total	<0.00403	U *1	0.00403		mg/Kg		11/20/23 14:09	11/21/23 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:57*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/20/23 14:09*	*11/21/23 23:57*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			11/21/23 23:57	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/22/23 05:38	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 05:38	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 05:38	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 12:19	11/22/23 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 05:38*	*1*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*11/20/23 12:19*	*11/22/23 05:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11.7**		5.02		mg/Kg			11/18/23 03:10	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 9 0-1'
Lab Sample ID: 890-5640-25
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 14:09	11/22/23 00:18	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 14:09	11/22/23 00:18	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 14:09	11/22/23 00:18	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 14:09	11/22/23 00:18	1
o-Xylene	<0.00199	U *1	0.00199		mg/Kg		11/20/23 14:09	11/22/23 00:18	1
Xylenes, Total	<0.00398	U *1	0.00398		mg/Kg		11/20/23 14:09	11/22/23 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*11/20/23 14:09*	*11/22/23 00:18*	*1*
1,4-Difluorobenzene (Surr)	*120*		*70 - 130*	*11/20/23 14:09*	*11/22/23 00:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/22/23 00:18	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			11/21/23 21:16	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	49.5		mg/Kg		11/20/23 12:22	11/21/23 21:16	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		11/20/23 12:22	11/21/23 21:16	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		11/20/23 12:22	11/21/23 21:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*178*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 21:16*	*1*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 21:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.02	U	5.02		mg/Kg			11/18/23 03:16	1

Client Sample ID: S - 9 2'
Lab Sample ID: 890-5640-26
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/22/23 00:38	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/22/23 00:38	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 14:09	11/22/23 00:38	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 14:09	11/22/23 00:38	1
o-Xylene	<0.00198	U *1	0.00198		mg/Kg		11/20/23 14:09	11/22/23 00:38	1
Xylenes, Total	<0.00396	U *1	0.00396		mg/Kg		11/20/23 14:09	11/22/23 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/20/23 14:09*	*11/22/23 00:38*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*11/20/23 14:09*	*11/22/23 00:38*	*1*

Client Sample Results

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 9 2'

Lab Sample ID: 890-5640-26
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/22/23 00:38	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/21/23 22:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/21/23 22:25	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/21/23 22:25	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/20/23 12:22	11/21/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 22:25*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 22:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			11/18/23 03:21	1

Client Sample ID: S - 9 3'R

Lab Sample ID: 890-5640-27
Matrix: Solid
Date Collected: 11/14/23 00:00
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/20/23 15:40	11/22/23 02:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/20/23 15:40	11/22/23 02:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/20/23 15:40	11/22/23 02:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/20/23 15:40	11/22/23 02:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/20/23 15:40	11/22/23 02:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/20/23 15:40	11/22/23 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*268*	*S1+*	*70 - 130*	*11/20/23 15:40*	*11/22/23 02:36*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*11/20/23 15:40*	*11/22/23 02:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/22/23 02:36	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/21/23 22:48	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/21/23 22:48	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/21/23 22:48	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 9 3'R
Lab Sample ID: 890-5640-27
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/20/23 12:22	11/21/23 22:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 22:48*	*1*
o-Terphenyl	*127*		*70 - 130*	*11/20/23 12:22*	*11/21/23 22:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.99	U	4.99		mg/Kg			11/19/23 14:18	1

Client Sample ID: S - 10 0-1'
Lab Sample ID: 890-5640-28
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/20/23 15:40	11/22/23 03:03	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/20/23 15:40	11/22/23 03:03	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/20/23 15:40	11/22/23 03:03	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/20/23 15:40	11/22/23 03:03	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/20/23 15:40	11/22/23 03:03	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/20/23 15:40	11/22/23 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*326*	*S1+*	*70 - 130*	*11/20/23 15:40*	*11/22/23 03:03*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*11/20/23 15:40*	*11/22/23 03:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/22/23 03:03	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/21/23 23:11	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/20/23 12:22	11/21/23 23:11	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/20/23 12:22	11/21/23 23:11	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/20/23 12:22	11/21/23 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*166*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 23:11*	*1*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 23:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.0**		5.01		mg/Kg			11/19/23 14:35	1

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 10 2'
Lab Sample ID: 890-5640-29
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/20/23 15:40	11/22/23 03:31	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/20/23 15:40	11/22/23 03:31	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/20/23 15:40	11/22/23 03:31	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/20/23 15:40	11/22/23 03:31	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/20/23 15:40	11/22/23 03:31	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/20/23 15:40	11/22/23 03:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*258*	*S1+*	*70 - 130*	*11/20/23 15:40*	*11/22/23 03:31*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*11/20/23 15:40*	*11/22/23 03:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			11/22/23 03:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			11/21/23 23:34	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		11/20/23 12:22	11/21/23 23:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/20/23 12:22	11/21/23 23:34	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/20/23 12:22	11/21/23 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*126*		*70 - 130*	*11/20/23 12:22*	*11/21/23 23:34*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/20/23 12:22*	*11/21/23 23:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.39**		4.99		mg/Kg			11/19/23 14:40	1

Client Sample ID: S - 10 3'R
Lab Sample ID: 890-5640-30
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/20/23 15:40	11/22/23 03:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/20/23 15:40	11/22/23 03:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/20/23 15:40	11/22/23 03:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/20/23 15:40	11/22/23 03:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/20/23 15:40	11/22/23 03:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/20/23 15:40	11/22/23 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*314*	*S1+*	*70 - 130*	*11/20/23 15:40*	*11/22/23 03:58*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/20/23 15:40*	*11/22/23 03:58*	*1*

Client Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 10 3'R
Lab Sample ID: 890-5640-30
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/22/23 03:58	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/21/23 23:57	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/20/23 12:22	11/21/23 23:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/20/23 12:22	11/21/23 23:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/20/23 12:22	11/21/23 23:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*188*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 23:57*	*1*
o-Terphenyl	*155*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 23:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/19/23 14:46	1

Surrogate Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		BFB1	DFBZ1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-5640-1	S - 1 0-1'	101	68 S1-										
890-5640-1 MS	S - 1 0-1'	74	69 S1-										
890-5640-1 MSD	S - 1 0-1'	80	74										
890-5640-2	S - 1 2'	83	78										
890-5640-3	S - 1 3'R	103	93										
890-5640-4	S - 2 0-1'	96	92										
890-5640-5	S - 2 2'	78	83										
890-5640-6	S - 2 3'R	96	77										
890-5640-7	S - 3 0-1'	98	78										
890-5640-8	S - 3 2'	105	128										
890-5640-9	S - 3 3'R	92	120										
890-5640-10	S - 4 0-1'	103	104										
890-5640-11	S - 4 2'	112	91										
890-5640-12	S - 4 3'R	101	93										
890-5640-13	S - 5 0-1'	101	92										
890-5640-14	S - 5 2'	93	82										
890-5640-15	S - 5 3'R	80	86										
890-5640-16	S - 6 0-1'	84	90										
890-5640-17	S - 6 2'	111	109										
890-5640-18	S - 6 3'R	99	81										
890-5640-19	S - 7 0-1'	113	108										
890-5640-20	S - 7 2'	87	90										
890-5640-21	S - 7 3'R	99	108										
890-5640-22	S - 8 0-1'	103	114										
890-5640-23	S - 8 2'	113	114										
890-5640-24	S - 8 3'R	106	110										
890-5640-25	S - 9 0-1'	112	120										
890-5640-26	S - 9 2'	107	117										
890-5640-27	S - 9 3'R	268 S1+	71										
890-5640-27 MS	S - 9 3'R	223 S1+	82										
890-5640-27 MSD	S - 9 3'R	276 S1+	97										
890-5640-28	S - 10 0-1'	326 S1+	76										
890-5640-29	S - 10 2'	258 S1+	71										
890-5640-30	S - 10 3'R	314 S1+	77										
LCS 880-67425/1-A	Lab Control Sample	115	96										
LCS 880-67438/1-A	Lab Control Sample	90	106										
LCS 880-67462/1-A	Lab Control Sample	216 S1+	83										
LCSD 880-67425/2-A	Lab Control Sample Dup	107	83										
LCSD 880-67438/2-A	Lab Control Sample Dup	109	101										
LCSD 880-67462/2-A	Lab Control Sample Dup	210 S1+	76										
MB 880-67386/5-A	Method Blank	238 S1+	72										
MB 880-67425/5-A	Method Blank	53 S1-	90										
MB 880-67438/5-A	Method Blank	117	149 S1+										
MB 880-67462/5-A	Method Blank	173 S1+	74										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-5640-1	S - 1 0-1'	132 S1+	108
890-5640-2	S - 1 2'	133 S1+	109
890-5640-3	S - 1 3'R	150 S1+	128
890-5640-4	S - 2 0-1'	125	101
890-5640-5	S - 2 2'	109	112
890-5640-5 MS	S - 2 2'	118	112
890-5640-5 MSD	S - 2 2'	105	99
890-5640-6	S - 2 3'R	124	129
890-5640-7	S - 3 0-1'	74	67 S1-
890-5640-8	S - 3 2'	129	137 S1+
890-5640-9	S - 3 3'R	122	130
890-5640-10	S - 4 0-1'	120	127
890-5640-11	S - 4 2'	139 S1+	144 S1+
890-5640-12	S - 4 3'R	118	123
890-5640-13	S - 5 0-1'	109	113
890-5640-14	S - 5 2'	119	124
890-5640-15	S - 5 3'R	126	130
890-5640-16	S - 6 0-1'	131 S1+	136 S1+
890-5640-17	S - 6 2'	114	117
890-5640-18	S - 6 3'R	134 S1+	143 S1+
890-5640-19	S - 7 0-1'	131 S1+	139 S1+
890-5640-20	S - 7 2'	126	133 S1+
890-5640-21	S - 7 3'R	129	135 S1+
890-5640-22	S - 8 0-1'	142 S1+	153 S1+
890-5640-23	S - 8 2'	132 S1+	145 S1+
890-5640-24	S - 8 3'R	134 S1+	146 S1+
890-5640-25	S - 9 0-1'	178 S1+	148 S1+
890-5640-25 MS	S - 9 0-1'	157 S1+	124
890-5640-25 MSD	S - 9 0-1'	144 S1+	114
890-5640-26	S - 9 2'	168 S1+	143 S1+
890-5640-27	S - 9 3'R	146 S1+	127
890-5640-28	S - 10 0-1'	166 S1+	144 S1+
890-5640-29	S - 10 2'	126	112
890-5640-30	S - 10 3'R	188 S1+	155 S1+
LCS 880-67370/2-A	Lab Control Sample	91	102
LCS 880-67422/2-A	Lab Control Sample	105	116
LCS 880-67423/2-A	Lab Control Sample	82	88
LCSD 880-67370/3-A	Lab Control Sample Dup	107	113
LCSD 880-67422/3-A	Lab Control Sample Dup	93	101
LCSD 880-67423/3-A	Lab Control Sample Dup	98	103
MB 880-67370/1-A	Method Blank	125	111
MB 880-67422/1-A	Method Blank	105	114
MB 880-67423/1-A	Method Blank	131 S1+	118

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-67386/5-A
Matrix: Solid
Analysis Batch: 67530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67386

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 11:03	11/21/23 12:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 11:03	11/21/23 12:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*238*	*S1+*	*70 - 130*	*11/20/23 11:03*	*11/21/23 12:23*	*1*
1,4-Difluorobenzene (Surr)	*72*		*70 - 130*	*11/20/23 11:03*	*11/21/23 12:23*	*1*

Lab Sample ID: MB 880-67425/5-A
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67425

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 12:39	11/22/23 16:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 12:39	11/22/23 16:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*53*	*S1-*	*70 - 130*	*11/20/23 12:39*	*11/22/23 16:14*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/20/23 12:39*	*11/22/23 16:14*	*1*

Lab Sample ID: LCS 880-67425/1-A
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67425

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07827		mg/Kg		78	70 - 130
Toluene	0.100	0.07509		mg/Kg		75	70 - 130
Ethylbenzene	0.100	0.08947		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1743		mg/Kg		87	70 - 130
o-Xylene	0.100	0.08872		mg/Kg		89	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 880-67425/2-A
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67425

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07415		mg/Kg		74	70 - 130	5	35

QC Sample Results

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCSD 880-67425/2-A
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67425

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09644		mg/Kg		96	70 - 130	25	35
Ethylbenzene			0.100	0.09214		mg/Kg		92	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1161	*- *1	mg/Kg		58	70 - 130	40	35
o-Xylene			0.100	0.09242		mg/Kg		92	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: 890-5640-1 MS
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: S - 1 0-1'
Prep Type: Total/NA
Prep Batch: 67425

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00198	U F1	0.0992	0.04409	F1	mg/Kg		43	70 - 130
Toluene	<0.00198	U F1	0.0992	0.04581	F1	mg/Kg		46	70 - 130
Ethylbenzene	<0.00198	U F1	0.0992	0.04494	F1	mg/Kg		45	70 - 130
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.198	0.08428	F1	mg/Kg		42	70 - 130
o-Xylene	<0.00198	U F1	0.0992	0.05262	F1	mg/Kg		52	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*

Lab Sample ID: 890-5640-1 MSD
Matrix: Solid
Analysis Batch: 67632

Client Sample ID: S - 1 0-1'
Prep Type: Total/NA
Prep Batch: 67425

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1	0.100	0.04980	F1	mg/Kg		49	70 - 130	12	35
Toluene	<0.00198	U F1	0.100	0.05391	F1	mg/Kg		54	70 - 130	16	35
Ethylbenzene	<0.00198	U F1	0.100	0.04969	F1	mg/Kg		50	70 - 130	10	35
m-Xylene & p-Xylene	<0.00396	U *- *1 F1	0.200	0.09605	F1	mg/Kg		47	70 - 130	13	35
o-Xylene	<0.00198	U F1	0.100	0.04732	F1	mg/Kg		46	70 - 130	11	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*
1,4-Difluorobenzene (Surr)	*74*		*70 - 130*

Lab Sample ID: MB 880-67438/5-A
Matrix: Solid
Analysis Batch: 67556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 14:09	11/21/23 16:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 14:09	11/21/23 16:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 14:09	11/21/23 16:10	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 14:09	11/21/23 16:10	1

QC Sample Results

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 880-67438/5-A
Matrix: Solid
Analysis Batch: 67556

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67438

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 14:09	11/21/23 16:10	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 14:09	11/21/23 16:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*11/20/23 14:09*	*11/21/23 16:10*	*1*
1,4-Difluorobenzene (Surr)	*149*	*S1+*	*70 - 130*	*11/20/23 14:09*	*11/21/23 16:10*	*1*

Lab Sample ID: LCS 880-67438/1-A
Matrix: Solid
Analysis Batch: 67556

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67438

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08709		mg/Kg		87	70 - 130
Toluene	0.100	0.08120		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.07068		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.200	0.1570		mg/Kg		79	70 - 130
o-Xylene	0.100	0.07324		mg/Kg		73	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-67438/2-A
Matrix: Solid
Analysis Batch: 67556

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67438

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1023		mg/Kg		102	70 - 130	16	35
Toluene	0.100	0.09215		mg/Kg		92	70 - 130	13	35
Ethylbenzene	0.100	0.09916		mg/Kg		99	70 - 130	34	35
m-Xylene & p-Xylene	0.200	0.2236		mg/Kg		112	70 - 130	35	35
o-Xylene	0.100	0.1075	*1	mg/Kg		107	70 - 130	38	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 880-67462/5-A
Matrix: Solid
Analysis Batch: 67530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67462

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/20/23 15:40	11/22/23 02:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/20/23 15:40	11/22/23 02:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/20/23 15:40	11/22/23 02:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/20/23 15:40	11/22/23 02:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/20/23 15:40	11/22/23 02:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/20/23 15:40	11/22/23 02:09	1

QC Sample Results

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	173	S1+	70 - 130	11/20/23 15:40	11/22/23 02:09	1
1,4-Difluorobenzene (Surr)	74		70 - 130	11/20/23 15:40	11/22/23 02:09	1

Lab Sample ID: LCS 880-67462/1-A
Matrix: Solid
Analysis Batch: 67530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67462

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1049		mg/Kg		105	70 - 130		
Toluene			0.100	0.1187		mg/Kg		119	70 - 130		
Ethylbenzene			0.100	0.1155		mg/Kg		116	70 - 130		
m-Xylene & p-Xylene			0.200	0.2301		mg/Kg		115	70 - 130		
o-Xylene			0.100	0.1207		mg/Kg		121	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	216	S1+	70 - 130
1,4-Difluorobenzene (Surr)	83		70 - 130

Lab Sample ID: LCSD 880-67462/2-A
Matrix: Solid
Analysis Batch: 67530

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67462

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09922		mg/Kg		99	70 - 130	6	35
Toluene			0.100	0.1088		mg/Kg		109	70 - 130	9	35
Ethylbenzene			0.100	0.1151		mg/Kg		115	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2226		mg/Kg		111	70 - 130	3	35
o-Xylene			0.100	0.1144		mg/Kg		114	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	210	S1+	70 - 130
1,4-Difluorobenzene (Surr)	76		70 - 130

Lab Sample ID: 890-5640-27 MS
Matrix: Solid
Analysis Batch: 67530

Client Sample ID: S - 9 3'R
Prep Type: Total/NA
Prep Batch: 67462

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U	0.101	0.1020		mg/Kg		101	70 - 130		
Toluene	<0.00198	U	0.101	0.09718		mg/Kg		96	70 - 130		
Ethylbenzene	<0.00198	U	0.101	0.09260		mg/Kg		92	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.202	0.1674		mg/Kg		83	70 - 130		
o-Xylene	<0.00198	U	0.101	0.1020		mg/Kg		101	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	223	S1+	70 - 130
1,4-Difluorobenzene (Surr)	82		70 - 130

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-5640-27 MSD — **Client Sample ID: S - 9 3'R**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67530 — **Prep Batch: 67462**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.100	0.1115		mg/Kg		111	70 - 130	9	35
Toluene	<0.00198	U	0.100	0.1016		mg/Kg		101	70 - 130	4	35
Ethylbenzene	<0.00198	U	0.100	0.1068		mg/Kg		107	70 - 130	14	35
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1984		mg/Kg		99	70 - 130	17	35
o-Xylene	<0.00198	U	0.100	0.1191		mg/Kg		119	70 - 130	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*276*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-67370/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67358 — **Prep Batch: 67370**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 08:27	11/20/23 20:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 08:27	11/20/23 20:23	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 08:27	11/20/23 20:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*125*		*70 - 130*	*11/20/23 08:27*	*11/20/23 20:23*	*1*
o-Terphenyl	*111*		*70 - 130*	*11/20/23 08:27*	*11/20/23 20:23*	*1*

Lab Sample ID: LCS 880-67370/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67358 — **Prep Batch: 67370**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1225		mg/Kg		122	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1038		mg/Kg		104	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: LCSD 880-67370/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67358 — **Prep Batch: 67370**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1112		mg/Kg		111	70 - 130	10	20

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-67370/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67358 — **Prep Batch: 67370**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	1074		mg/Kg		107	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: MB 880-67422/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67488 — **Prep Batch: 67422**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:19	11/21/23 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/20/23 12:19*	*11/21/23 20:08*	*1*
o-Terphenyl	*114*		*70 - 130*	*11/20/23 12:19*	*11/21/23 20:08*	*1*

Lab Sample ID: LCS 880-67422/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67488 — **Prep Batch: 67422**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1078		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)			1000	967.1		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*116*		*70 - 130*

Lab Sample ID: LCSD 880-67422/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 67488 — **Prep Batch: 67422**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1051		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	925.4		mg/Kg		93	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*93*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-5640-5 MS
Matrix: Solid
Analysis Batch: 67488

Client Sample ID: S - 2 2'
Prep Type: Total/NA
Prep Batch: 67422

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1011		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	50.4	F1	1000	760.4		mg/Kg		71	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*118*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: 890-5640-5 MSD
Matrix: Solid
Analysis Batch: 67488

Client Sample ID: S - 2 2'
Prep Type: Total/NA
Prep Batch: 67422

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	948.5		mg/Kg		95	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	50.4	F1	1000	674.4	F1	mg/Kg		62	70 - 130	12	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: MB 880-67423/1-A
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 67423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/20/23 12:22	11/21/23 20:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/20/23 12:22	11/21/23 20:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/20/23 12:22	11/21/23 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*11/20/23 12:22*	*11/21/23 20:08*	*1*
o-Terphenyl	*118*		*70 - 130*	*11/20/23 12:22*	*11/21/23 20:08*	*1*

Lab Sample ID: LCS 880-67423/2-A
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	992.9		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	934.2		mg/Kg		93	70 - 130

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-67423/2-A
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 67423

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: LCSD 880-67423/3-A
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 67423

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1022		mg/Kg		102	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	1021		mg/Kg		102	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	103		70 - 130

Lab Sample ID: 890-5640-25 MS
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: S - 9 0-1'
Prep Type: Total/NA
Prep Batch: 67423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	855.6		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	<49.5	U	1010	1200		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	157	S1+	70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 890-5640-25 MSD
Matrix: Solid
Analysis Batch: 67486

Client Sample ID: S - 9 0-1'
Prep Type: Total/NA
Prep Batch: 67423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.5	U	1010	1198	F2	mg/Kg		116	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	<49.5	U	1010	1098		mg/Kg		107	70 - 130	9	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	114		70 - 130

QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-67163/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67334

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/17/23 21:13	1

Lab Sample ID: LCS 880-67163/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67334

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-67163/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67334

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.7		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-67164/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67335

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/18/23 00:31	1

Lab Sample ID: LCS 880-67164/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.4		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-67164/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67335

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.8		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-5640-7 MS — **Client Sample ID: S - 3 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.70		252	265.0		mg/Kg		101	90 - 110

Lab Sample ID: 890-5640-7 MSD — **Client Sample ID: S - 3 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 67335

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.70		252	265.8		mg/Kg		102	90 - 110	0	20

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QC Sample Results

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-5640-17 MS
Matrix: Solid
Analysis Batch: 67335
Client Sample ID: S - 6 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	16.7		249	268.0		mg/Kg		101	90 - 110

Lab Sample ID: 890-5640-17 MSD
Matrix: Solid
Analysis Batch: 67335
Client Sample ID: S - 6 2'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	16.7		249	267.6		mg/Kg		101	90 - 110	0	20

Lab Sample ID: MB 880-67165/1-A
Matrix: Solid
Analysis Batch: 67427
Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/19/23 14:00	1

Lab Sample ID: LCS 880-67165/2-A
Matrix: Solid
Analysis Batch: 67427
Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	225.0		mg/Kg		90	90 - 110

Lab Sample ID: LCSD 880-67165/3-A
Matrix: Solid
Analysis Batch: 67427
Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	228.6		mg/Kg		91	90 - 110	2	20

Lab Sample ID: 890-5640-27 MS
Matrix: Solid
Analysis Batch: 67427
Client Sample ID: S - 9 3'R
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<4.99	U	250	233.3		mg/Kg		92	90 - 110

Lab Sample ID: 890-5640-27 MSD
Matrix: Solid
Analysis Batch: 67427
Client Sample ID: S - 9 3'R
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<4.99	U	250	233.3		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC VOA

Prep Batch: 67386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-67386/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 67425

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	5035	
890-5640-2	S - 1 2'	Total/NA	Solid	5035	
890-5640-3	S - 1 3'R	Total/NA	Solid	5035	
890-5640-4	S - 2 0-1'	Total/NA	Solid	5035	
890-5640-5	S - 2 2'	Total/NA	Solid	5035	
890-5640-6	S - 2 3'R	Total/NA	Solid	5035	
890-5640-7	S - 3 0-1'	Total/NA	Solid	5035	
890-5640-8	S - 3 2'	Total/NA	Solid	5035	
890-5640-9	S - 3 3'R	Total/NA	Solid	5035	
890-5640-10	S - 4 0-1'	Total/NA	Solid	5035	
890-5640-11	S - 4 2'	Total/NA	Solid	5035	
890-5640-12	S - 4 3'R	Total/NA	Solid	5035	
890-5640-13	S - 5 0-1'	Total/NA	Solid	5035	
890-5640-14	S - 5 2'	Total/NA	Solid	5035	
890-5640-15	S - 5 3'R	Total/NA	Solid	5035	
890-5640-16	S - 6 0-1'	Total/NA	Solid	5035	
890-5640-17	S - 6 2'	Total/NA	Solid	5035	
890-5640-18	S - 6 3'R	Total/NA	Solid	5035	
890-5640-19	S - 7 0-1'	Total/NA	Solid	5035	
890-5640-20	S - 7 2'	Total/NA	Solid	5035	
MB 880-67425/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67425/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67425/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-5640-1 MS	S - 1 0-1'	Total/NA	Solid	5035	
890-5640-1 MSD	S - 1 0-1'	Total/NA	Solid	5035	

Prep Batch: 67438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-21	S - 7 3'R	Total/NA	Solid	5035	
890-5640-22	S - 8 0-1'	Total/NA	Solid	5035	
890-5640-23	S - 8 2'	Total/NA	Solid	5035	
890-5640-24	S - 8 3'R	Total/NA	Solid	5035	
890-5640-25	S - 9 0-1'	Total/NA	Solid	5035	
890-5640-26	S - 9 2'	Total/NA	Solid	5035	
MB 880-67438/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67438/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67438/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 67462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-27	S - 9 3'R	Total/NA	Solid	5035	
890-5640-28	S - 10 0-1'	Total/NA	Solid	5035	
890-5640-29	S - 10 2'	Total/NA	Solid	5035	
890-5640-30	S - 10 3'R	Total/NA	Solid	5035	
MB 880-67462/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-67462/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-67462/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC VOA (Continued)

Prep Batch: 67462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-27 MS	S - 9 3'R	Total/NA	Solid	5035	
890-5640-27 MSD	S - 9 3'R	Total/NA	Solid	5035	

Analysis Batch: 67530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-27	S - 9 3'R	Total/NA	Solid	8021B	67462
890-5640-28	S - 10 0-1'	Total/NA	Solid	8021B	67462
890-5640-29	S - 10 2'	Total/NA	Solid	8021B	67462
890-5640-30	S - 10 3'R	Total/NA	Solid	8021B	67462
MB 880-67386/5-A	Method Blank	Total/NA	Solid	8021B	67386
MB 880-67462/5-A	Method Blank	Total/NA	Solid	8021B	67462
LCS 880-67462/1-A	Lab Control Sample	Total/NA	Solid	8021B	67462
LCSD 880-67462/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67462
890-5640-27 MS	S - 9 3'R	Total/NA	Solid	8021B	67462
890-5640-27 MSD	S - 9 3'R	Total/NA	Solid	8021B	67462

Analysis Batch: 67556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-21	S - 7 3'R	Total/NA	Solid	8021B	67438
890-5640-22	S - 8 0-1'	Total/NA	Solid	8021B	67438
890-5640-23	S - 8 2'	Total/NA	Solid	8021B	67438
890-5640-24	S - 8 3'R	Total/NA	Solid	8021B	67438
890-5640-25	S - 9 0-1'	Total/NA	Solid	8021B	67438
890-5640-26	S - 9 2'	Total/NA	Solid	8021B	67438
MB 880-67438/5-A	Method Blank	Total/NA	Solid	8021B	67438
LCS 880-67438/1-A	Lab Control Sample	Total/NA	Solid	8021B	67438
LCSD 880-67438/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67438

Analysis Batch: 67618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	Total BTEX	
890-5640-2	S - 1 2'	Total/NA	Solid	Total BTEX	
890-5640-3	S - 1 3'R	Total/NA	Solid	Total BTEX	
890-5640-4	S - 2 0-1'	Total/NA	Solid	Total BTEX	
890-5640-5	S - 2 2'	Total/NA	Solid	Total BTEX	
890-5640-6	S - 2 3'R	Total/NA	Solid	Total BTEX	
890-5640-7	S - 3 0-1'	Total/NA	Solid	Total BTEX	
890-5640-8	S - 3 2'	Total/NA	Solid	Total BTEX	
890-5640-9	S - 3 3'R	Total/NA	Solid	Total BTEX	
890-5640-10	S - 4 0-1'	Total/NA	Solid	Total BTEX	
890-5640-11	S - 4 2'	Total/NA	Solid	Total BTEX	
890-5640-12	S - 4 3'R	Total/NA	Solid	Total BTEX	
890-5640-13	S - 5 0-1'	Total/NA	Solid	Total BTEX	
890-5640-14	S - 5 2'	Total/NA	Solid	Total BTEX	
890-5640-15	S - 5 3'R	Total/NA	Solid	Total BTEX	
890-5640-16	S - 6 0-1'	Total/NA	Solid	Total BTEX	
890-5640-17	S - 6 2'	Total/NA	Solid	Total BTEX	
890-5640-18	S - 6 3'R	Total/NA	Solid	Total BTEX	
890-5640-19	S - 7 0-1'	Total/NA	Solid	Total BTEX	
890-5640-20	S - 7 2'	Total/NA	Solid	Total BTEX	
890-5640-21	S - 7 3'R	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC VOA (Continued)

Analysis Batch: 67618 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-22	S - 8 0-1'	Total/NA	Solid	Total BTEX	
890-5640-23	S - 8 2'	Total/NA	Solid	Total BTEX	
890-5640-24	S - 8 3'R	Total/NA	Solid	Total BTEX	
890-5640-25	S - 9 0-1'	Total/NA	Solid	Total BTEX	
890-5640-26	S - 9 2'	Total/NA	Solid	Total BTEX	
890-5640-27	S - 9 3'R	Total/NA	Solid	Total BTEX	
890-5640-28	S - 10 0-1'	Total/NA	Solid	Total BTEX	
890-5640-29	S - 10 2'	Total/NA	Solid	Total BTEX	
890-5640-30	S - 10 3'R	Total/NA	Solid	Total BTEX	

Analysis Batch: 67632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	8021B	67425
890-5640-2	S - 1 2'	Total/NA	Solid	8021B	67425
890-5640-3	S - 1 3'R	Total/NA	Solid	8021B	67425
890-5640-4	S - 2 0-1'	Total/NA	Solid	8021B	67425
890-5640-5	S - 2 2'	Total/NA	Solid	8021B	67425
890-5640-6	S - 2 3'R	Total/NA	Solid	8021B	67425
890-5640-7	S - 3 0-1'	Total/NA	Solid	8021B	67425
890-5640-8	S - 3 2'	Total/NA	Solid	8021B	67425
890-5640-9	S - 3 3'R	Total/NA	Solid	8021B	67425
890-5640-10	S - 4 0-1'	Total/NA	Solid	8021B	67425
890-5640-11	S - 4 2'	Total/NA	Solid	8021B	67425
890-5640-12	S - 4 3'R	Total/NA	Solid	8021B	67425
890-5640-13	S - 5 0-1'	Total/NA	Solid	8021B	67425
890-5640-14	S - 5 2'	Total/NA	Solid	8021B	67425
890-5640-15	S - 5 3'R	Total/NA	Solid	8021B	67425
890-5640-16	S - 6 0-1'	Total/NA	Solid	8021B	67425
890-5640-17	S - 6 2'	Total/NA	Solid	8021B	67425
890-5640-18	S - 6 3'R	Total/NA	Solid	8021B	67425
890-5640-19	S - 7 0-1'	Total/NA	Solid	8021B	67425
890-5640-20	S - 7 2'	Total/NA	Solid	8021B	67425
MB 880-67425/5-A	Method Blank	Total/NA	Solid	8021B	67425
LCS 880-67425/1-A	Lab Control Sample	Total/NA	Solid	8021B	67425
LCSD 880-67425/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	67425
890-5640-1 MS	S - 1 0-1'	Total/NA	Solid	8021B	67425
890-5640-1 MSD	S - 1 0-1'	Total/NA	Solid	8021B	67425

GC Semi VOA

Analysis Batch: 67358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	8015B NM	67370
890-5640-2	S - 1 2'	Total/NA	Solid	8015B NM	67370
890-5640-3	S - 1 3'R	Total/NA	Solid	8015B NM	67370
890-5640-4	S - 2 0-1'	Total/NA	Solid	8015B NM	67370
MB 880-67370/1-A	Method Blank	Total/NA	Solid	8015B NM	67370
LCS 880-67370/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67370
LCSD 880-67370/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67370

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC Semi VOA

Prep Batch: 67370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-2	S - 1 2'	Total/NA	Solid	8015NM Prep	
890-5640-3	S - 1 3'R	Total/NA	Solid	8015NM Prep	
890-5640-4	S - 2 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-67370/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67370/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67370/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 67422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-5	S - 2 2'	Total/NA	Solid	8015NM Prep	
890-5640-6	S - 2 3'R	Total/NA	Solid	8015NM Prep	
890-5640-7	S - 3 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-8	S - 3 2'	Total/NA	Solid	8015NM Prep	
890-5640-9	S - 3 3'R	Total/NA	Solid	8015NM Prep	
890-5640-10	S - 4 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-11	S - 4 2'	Total/NA	Solid	8015NM Prep	
890-5640-12	S - 4 3'R	Total/NA	Solid	8015NM Prep	
890-5640-13	S - 5 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-14	S - 5 2'	Total/NA	Solid	8015NM Prep	
890-5640-15	S - 5 3'R	Total/NA	Solid	8015NM Prep	
890-5640-16	S - 6 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-17	S - 6 2'	Total/NA	Solid	8015NM Prep	
890-5640-18	S - 6 3'R	Total/NA	Solid	8015NM Prep	
890-5640-19	S - 7 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-20	S - 7 2'	Total/NA	Solid	8015NM Prep	
890-5640-21	S - 7 3'R	Total/NA	Solid	8015NM Prep	
890-5640-22	S - 8 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-23	S - 8 2'	Total/NA	Solid	8015NM Prep	
890-5640-24	S - 8 3'R	Total/NA	Solid	8015NM Prep	
MB 880-67422/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67422/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67422/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5640-5 MS	S - 2 2'	Total/NA	Solid	8015NM Prep	
890-5640-5 MSD	S - 2 2'	Total/NA	Solid	8015NM Prep	

Prep Batch: 67423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-25	S - 9 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-26	S - 9 2'	Total/NA	Solid	8015NM Prep	
890-5640-27	S - 9 3'R	Total/NA	Solid	8015NM Prep	
890-5640-28	S - 10 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-29	S - 10 2'	Total/NA	Solid	8015NM Prep	
890-5640-30	S - 10 3'R	Total/NA	Solid	8015NM Prep	
MB 880-67423/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-67423/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-67423/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-5640-25 MS	S - 9 0-1'	Total/NA	Solid	8015NM Prep	
890-5640-25 MSD	S - 9 0-1'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC Semi VOA

Analysis Batch: 67486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-25	S - 9 0-1'	Total/NA	Solid	8015B NM	67423
890-5640-26	S - 9 2'	Total/NA	Solid	8015B NM	67423
890-5640-27	S - 9 3'R	Total/NA	Solid	8015B NM	67423
890-5640-28	S - 10 0-1'	Total/NA	Solid	8015B NM	67423
890-5640-29	S - 10 2'	Total/NA	Solid	8015B NM	67423
890-5640-30	S - 10 3'R	Total/NA	Solid	8015B NM	67423
MB 880-67423/1-A	Method Blank	Total/NA	Solid	8015B NM	67423
LCS 880-67423/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67423
LCSD 880-67423/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67423
890-5640-25 MS	S - 9 0-1'	Total/NA	Solid	8015B NM	67423
890-5640-25 MSD	S - 9 0-1'	Total/NA	Solid	8015B NM	67423

Analysis Batch: 67488

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-5	S - 2 2'	Total/NA	Solid	8015B NM	67422
890-5640-6	S - 2 3'R	Total/NA	Solid	8015B NM	67422
890-5640-7	S - 3 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-8	S - 3 2'	Total/NA	Solid	8015B NM	67422
890-5640-9	S - 3 3'R	Total/NA	Solid	8015B NM	67422
890-5640-10	S - 4 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-11	S - 4 2'	Total/NA	Solid	8015B NM	67422
890-5640-12	S - 4 3'R	Total/NA	Solid	8015B NM	67422
890-5640-13	S - 5 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-14	S - 5 2'	Total/NA	Solid	8015B NM	67422
890-5640-15	S - 5 3'R	Total/NA	Solid	8015B NM	67422
890-5640-16	S - 6 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-17	S - 6 2'	Total/NA	Solid	8015B NM	67422
890-5640-18	S - 6 3'R	Total/NA	Solid	8015B NM	67422
890-5640-19	S - 7 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-20	S - 7 2'	Total/NA	Solid	8015B NM	67422
890-5640-21	S - 7 3'R	Total/NA	Solid	8015B NM	67422
890-5640-22	S - 8 0-1'	Total/NA	Solid	8015B NM	67422
890-5640-23	S - 8 2'	Total/NA	Solid	8015B NM	67422
890-5640-24	S - 8 3'R	Total/NA	Solid	8015B NM	67422
MB 880-67422/1-A	Method Blank	Total/NA	Solid	8015B NM	67422
LCS 880-67422/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	67422
LCSD 880-67422/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	67422
890-5640-5 MS	S - 2 2'	Total/NA	Solid	8015B NM	67422
890-5640-5 MSD	S - 2 2'	Total/NA	Solid	8015B NM	67422

Analysis Batch: 67563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Total/NA	Solid	8015 NM	
890-5640-2	S - 1 2'	Total/NA	Solid	8015 NM	
890-5640-3	S - 1 3'R	Total/NA	Solid	8015 NM	
890-5640-4	S - 2 0-1'	Total/NA	Solid	8015 NM	
890-5640-5	S - 2 2'	Total/NA	Solid	8015 NM	
890-5640-6	S - 2 3'R	Total/NA	Solid	8015 NM	
890-5640-7	S - 3 0-1'	Total/NA	Solid	8015 NM	
890-5640-8	S - 3 2'	Total/NA	Solid	8015 NM	
890-5640-9	S - 3 3'R	Total/NA	Solid	8015 NM	

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

GC Semi VOA (Continued)

Analysis Batch: 67563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-10	S - 4 0-1'	Total/NA	Solid	8015 NM	
890-5640-11	S - 4 2'	Total/NA	Solid	8015 NM	
890-5640-12	S - 4 3'R	Total/NA	Solid	8015 NM	
890-5640-13	S - 5 0-1'	Total/NA	Solid	8015 NM	
890-5640-14	S - 5 2'	Total/NA	Solid	8015 NM	
890-5640-15	S - 5 3'R	Total/NA	Solid	8015 NM	
890-5640-16	S - 6 0-1'	Total/NA	Solid	8015 NM	
890-5640-17	S - 6 2'	Total/NA	Solid	8015 NM	
890-5640-18	S - 6 3'R	Total/NA	Solid	8015 NM	
890-5640-19	S - 7 0-1'	Total/NA	Solid	8015 NM	
890-5640-20	S - 7 2'	Total/NA	Solid	8015 NM	
890-5640-21	S - 7 3'R	Total/NA	Solid	8015 NM	
890-5640-22	S - 8 0-1'	Total/NA	Solid	8015 NM	
890-5640-23	S - 8 2'	Total/NA	Solid	8015 NM	
890-5640-24	S - 8 3'R	Total/NA	Solid	8015 NM	
890-5640-25	S - 9 0-1'	Total/NA	Solid	8015 NM	
890-5640-26	S - 9 2'	Total/NA	Solid	8015 NM	
890-5640-27	S - 9 3'R	Total/NA	Solid	8015 NM	
890-5640-28	S - 10 0-1'	Total/NA	Solid	8015 NM	
890-5640-29	S - 10 2'	Total/NA	Solid	8015 NM	
890-5640-30	S - 10 3'R	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 67163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Soluble	Solid	DI Leach	
890-5640-2	S - 1 2'	Soluble	Solid	DI Leach	
890-5640-3	S - 1 3'R	Soluble	Solid	DI Leach	
890-5640-4	S - 2 0-1'	Soluble	Solid	DI Leach	
890-5640-5	S - 2 2'	Soluble	Solid	DI Leach	
890-5640-6	S - 2 3'R	Soluble	Solid	DI Leach	
MB 880-67163/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67163/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67163/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 67164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-7	S - 3 0-1'	Soluble	Solid	DI Leach	
890-5640-8	S - 3 2'	Soluble	Solid	DI Leach	
890-5640-9	S - 3 3'R	Soluble	Solid	DI Leach	
890-5640-10	S - 4 0-1'	Soluble	Solid	DI Leach	
890-5640-11	S - 4 2'	Soluble	Solid	DI Leach	
890-5640-12	S - 4 3'R	Soluble	Solid	DI Leach	
890-5640-13	S - 5 0-1'	Soluble	Solid	DI Leach	
890-5640-14	S - 5 2'	Soluble	Solid	DI Leach	
890-5640-15	S - 5 3'R	Soluble	Solid	DI Leach	
890-5640-16	S - 6 0-1'	Soluble	Solid	DI Leach	
890-5640-17	S - 6 2'	Soluble	Solid	DI Leach	
890-5640-18	S - 6 3'R	Soluble	Solid	DI Leach	
890-5640-19	S - 7 0-1'	Soluble	Solid	DI Leach	

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

HPLC/IC (Continued)

Leach Batch: 67164 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-20	S - 7 2'	Soluble	Solid	DI Leach	
890-5640-21	S - 7 3'R	Soluble	Solid	DI Leach	
890-5640-22	S - 8 0-1'	Soluble	Solid	DI Leach	
890-5640-23	S - 8 2'	Soluble	Solid	DI Leach	
890-5640-24	S - 8 3'R	Soluble	Solid	DI Leach	
890-5640-25	S - 9 0-1'	Soluble	Solid	DI Leach	
890-5640-26	S - 9 2'	Soluble	Solid	DI Leach	
MB 880-67164/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67164/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67164/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5640-7 MS	S - 3 0-1'	Soluble	Solid	DI Leach	
890-5640-7 MSD	S - 3 0-1'	Soluble	Solid	DI Leach	
890-5640-17 MS	S - 6 2'	Soluble	Solid	DI Leach	
890-5640-17 MSD	S - 6 2'	Soluble	Solid	DI Leach	

Leach Batch: 67165

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-27	S - 9 3'R	Soluble	Solid	DI Leach	
890-5640-28	S - 10 0-1'	Soluble	Solid	DI Leach	
890-5640-29	S - 10 2'	Soluble	Solid	DI Leach	
890-5640-30	S - 10 3'R	Soluble	Solid	DI Leach	
MB 880-67165/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-67165/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-67165/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-5640-27 MS	S - 9 3'R	Soluble	Solid	DI Leach	
890-5640-27 MSD	S - 9 3'R	Soluble	Solid	DI Leach	

Analysis Batch: 67334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-1	S - 1 0-1'	Soluble	Solid	300.0	67163
890-5640-2	S - 1 2'	Soluble	Solid	300.0	67163
890-5640-3	S - 1 3'R	Soluble	Solid	300.0	67163
890-5640-4	S - 2 0-1'	Soluble	Solid	300.0	67163
890-5640-5	S - 2 2'	Soluble	Solid	300.0	67163
890-5640-6	S - 2 3'R	Soluble	Solid	300.0	67163
MB 880-67163/1-A	Method Blank	Soluble	Solid	300.0	67163
LCS 880-67163/2-A	Lab Control Sample	Soluble	Solid	300.0	67163
LCSD 880-67163/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67163

Analysis Batch: 67335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-7	S - 3 0-1'	Soluble	Solid	300.0	67164
890-5640-8	S - 3 2'	Soluble	Solid	300.0	67164
890-5640-9	S - 3 3'R	Soluble	Solid	300.0	67164
890-5640-10	S - 4 0-1'	Soluble	Solid	300.0	67164
890-5640-11	S - 4 2'	Soluble	Solid	300.0	67164
890-5640-12	S - 4 3'R	Soluble	Solid	300.0	67164
890-5640-13	S - 5 0-1'	Soluble	Solid	300.0	67164
890-5640-14	S - 5 2'	Soluble	Solid	300.0	67164
890-5640-15	S - 5 3'R	Soluble	Solid	300.0	67164
890-5640-16	S - 6 0-1'	Soluble	Solid	300.0	67164

QC Association Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

HPLC/IC (Continued)

Analysis Batch: 67335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-17	S - 6 2'	Soluble	Solid	300.0	67164
890-5640-18	S - 6 3'R	Soluble	Solid	300.0	67164
890-5640-19	S - 7 0-1'	Soluble	Solid	300.0	67164
890-5640-20	S - 7 2'	Soluble	Solid	300.0	67164
890-5640-21	S - 7 3'R	Soluble	Solid	300.0	67164
890-5640-22	S - 8 0-1'	Soluble	Solid	300.0	67164
890-5640-23	S - 8 2'	Soluble	Solid	300.0	67164
890-5640-24	S - 8 3'R	Soluble	Solid	300.0	67164
890-5640-25	S - 9 0-1'	Soluble	Solid	300.0	67164
890-5640-26	S - 9 2'	Soluble	Solid	300.0	67164
MB 880-67164/1-A	Method Blank	Soluble	Solid	300.0	67164
LCS 880-67164/2-A	Lab Control Sample	Soluble	Solid	300.0	67164
LCSD 880-67164/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67164
890-5640-7 MS	S - 3 0-1'	Soluble	Solid	300.0	67164
890-5640-7 MSD	S - 3 0-1'	Soluble	Solid	300.0	67164
890-5640-17 MS	S - 6 2'	Soluble	Solid	300.0	67164
890-5640-17 MSD	S - 6 2'	Soluble	Solid	300.0	67164

Analysis Batch: 67427

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-5640-27	S - 9 3'R	Soluble	Solid	300.0	67165
890-5640-28	S - 10 0-1'	Soluble	Solid	300.0	67165
890-5640-29	S - 10 2'	Soluble	Solid	300.0	67165
890-5640-30	S - 10 3'R	Soluble	Solid	300.0	67165
MB 880-67165/1-A	Method Blank	Soluble	Solid	300.0	67165
LCS 880-67165/2-A	Lab Control Sample	Soluble	Solid	300.0	67165
LCSD 880-67165/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	67165
890-5640-27 MS	S - 9 3'R	Soluble	Solid	300.0	67165
890-5640-27 MSD	S - 9 3'R	Soluble	Solid	300.0	67165

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 1 0-1'
Lab Sample ID: 890-5640-1
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 16:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 16:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 04:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67370	11/20/23 08:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67358	11/21/23 04:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/17/23 23:35	SMC	EET MID

Client Sample ID: S - 1 2'
Lab Sample ID: 890-5640-2
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 17:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 17:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 04:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67370	11/20/23 08:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67358	11/21/23 04:35	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/17/23 23:40	SMC	EET MID

Client Sample ID: S - 1 3'R
Lab Sample ID: 890-5640-3
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 17:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 17:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 04:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	67370	11/20/23 08:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67358	11/21/23 04:56	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/17/23 23:46	SMC	EET MID

Client Sample ID: S - 2 0-1'
Lab Sample ID: 890-5640-4
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 18:00	SM	EET MID

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Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 2 0-1'
Lab Sample ID: 890-5640-4
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67563	11/21/23 05:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.8 g	10 mL	67370	11/20/23 08:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67358	11/21/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/17/23 23:52	SMC	EET MID

Client Sample ID: S - 2 2'
Lab Sample ID: 890-5640-5
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 21:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 21:16	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/17/23 23:57	SMC	EET MID

Client Sample ID: S - 2 3'R
Lab Sample ID: 890-5640-6
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 18:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 18:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67163	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67334	11/18/23 00:03	SMC	EET MID

Client Sample ID: S - 3 0-1'
Lab Sample ID: 890-5640-7
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 19:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 19:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 22:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 22:48	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 3 0-1'
Lab Sample ID: 890-5640-7
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 00:48	SMC	EET MID

Client Sample ID: S - 3 2'
Lab Sample ID: 890-5640-8
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 19:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 19:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:05	SMC	EET MID

Client Sample ID: S - 3 3'R
Lab Sample ID: 890-5640-9
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 20:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 20:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:11	SMC	EET MID

Client Sample ID: S - 4 0-1'
Lab Sample ID: 890-5640-10
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 20:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 20:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/21/23 23:57	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:17	SMC	EET MID

Lab Chronicle

Client: H & R Enterprises Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 4 2' — Lab Sample ID: 890-5640-11

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 22:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 22:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 00:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 00:19	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:22	SMC	EET MID

Client Sample ID: S - 4 3'R — Lab Sample ID: 890-5640-12

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 22:50	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 22:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 00:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 00:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:39	SMC	EET MID

Client Sample ID: S - 5 0-1' — Lab Sample ID: 890-5640-13

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 23:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 01:06	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 01:06	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:45	SMC	EET MID

Client Sample ID: S - 5 2' — Lab Sample ID: 890-5640-14

Date Collected: 11/14/23 00:00 **Matrix: Solid**
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/22/23 23:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 23:41	SM	EET MID

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 5 2'
Lab Sample ID: 890-5640-14
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67563	11/22/23 01:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 01:29	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:50	SMC	EET MID

Client Sample ID: S - 5 3'R
Lab Sample ID: 890-5640-15
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 00:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 00:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 02:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 02:15	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 01:56	SMC	EET MID

Client Sample ID: S - 6 0-1'
Lab Sample ID: 890-5640-16
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 00:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 00:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 02:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 02:39	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:02	SMC	EET MID

Client Sample ID: S - 6 2'
Lab Sample ID: 890-5640-17
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 00:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 00:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 03:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 03:02	SM	EET MID

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 6 2'
Lab Sample ID: 890-5640-17
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:07	SMC	EET MID

Client Sample ID: S - 6 3'R
Lab Sample ID: 890-5640-18
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 03:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 03:25	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:24	SMC	EET MID

Client Sample ID: S - 7 0-1'
Lab Sample ID: 890-5640-19
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 01:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 01:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 03:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 03:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:30	SMC	EET MID

Client Sample ID: S - 7 2'
Lab Sample ID: 890-5640-20
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	67425	11/20/23 12:39	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67632	11/23/23 02:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/23/23 02:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 04:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 04:12	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:47	SMC	EET MID

Lab Chronicle

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 7 3'R

Lab Sample ID: 890-5640-21

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/21/23 22:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/21/23 22:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 04:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 04:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:53	SMC	EET MID

Client Sample ID: S - 8 0-1'

Lab Sample ID: 890-5640-22

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/21/23 23:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/21/23 23:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 04:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 04:56	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 02:58	SMC	EET MID

Client Sample ID: S - 8 2'

Lab Sample ID: 890-5640-23

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/21/23 23:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/21/23 23:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/22/23 05:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 05:17	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 03:04	SMC	EET MID

Client Sample ID: S - 8 3'R

Lab Sample ID: 890-5640-24

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/21/23 23:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/21/23 23:57	SM	EET MID

Lab Chronicle

Client: H & R Enterprises

Job ID: 890-5640-1

Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 8 3'R

Lab Sample ID: 890-5640-24

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			67563	11/22/23 05:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67422	11/20/23 12:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67488	11/22/23 05:38	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 03:10	SMC	EET MID

Client Sample ID: S - 9 0-1'

Lab Sample ID: 890-5640-25

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/22/23 00:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 00:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 21:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 21:16	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 03:16	SMC	EET MID

Client Sample ID: S - 9 2'

Lab Sample ID: 890-5640-26

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67438	11/20/23 14:09	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67556	11/22/23 00:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 00:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 22:25	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 22:25	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67164	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67335	11/18/23 03:21	SMC	EET MID

Client Sample ID: S - 9 3'R

Lab Sample ID: 890-5640-27

Date Collected: 11/14/23 00:00

Matrix: Solid

Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	67462	11/20/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/22/23 02:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 02:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 22:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 22:48	SM	EET MID

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Client Sample ID: S - 9 3'R
Lab Sample ID: 890-5640-27
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	67165	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67427	11/19/23 14:18	SMC	EET MID

Client Sample ID: S - 10 0-1'
Lab Sample ID: 890-5640-28
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	67462	11/20/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/22/23 03:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 03:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 23:11	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	67165	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67427	11/19/23 14:35	SMC	EET MID

Client Sample ID: S - 10 2'
Lab Sample ID: 890-5640-29
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	67462	11/20/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/22/23 03:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 03:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 23:34	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	67165	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67427	11/19/23 14:40	SMC	EET MID

Client Sample ID: S - 10 3'R
Lab Sample ID: 890-5640-30
Date Collected: 11/14/23 00:00
Matrix: Solid
Date Received: 11/15/23 14:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	67462	11/20/23 15:40	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	67530	11/22/23 03:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			67618	11/22/23 03:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			67563	11/21/23 23:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	67423	11/20/23 12:22	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	67486	11/21/23 23:57	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	67165	11/16/23 11:00	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	67427	11/19/23 14:46	SMC	EET MID

Lab Chronicle

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: H & R Enterprises
Job ID: 890-5640-1
Project/Site: GADWALL FED COM # 002H

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-5640-1	S - 1 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-2	S - 1 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-3	S - 1 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-4	S - 2 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-5	S - 2 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-6	S - 2 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-7	S - 3 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-8	S - 3 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-9	S - 3 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-10	S - 4 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-11	S - 4 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-12	S - 4 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-13	S - 5 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-14	S - 5 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-15	S - 5 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-16	S - 6 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-17	S - 6 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-18	S - 6 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-19	S - 7 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-20	S - 7 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-21	S - 7 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-22	S - 8 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-23	S - 8 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-24	S - 8 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-25	S - 9 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-26	S - 9 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-27	S - 9 3'R	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-28	S - 10 0-1'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-29	S - 10 2'	Solid	11/14/23 00:00	11/15/23 14:51
890-5640-30	S - 10 3'R	Solid	11/14/23 00:00	11/15/23 14:51

Chain of Custody

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 5640

www.xenco.com Page 1 of 3

Project Manager:	M. COLLIER	Bill to: (if different)	LACI LUIG
Company Name:	H+R ENTERPRISES	Company Name:	COTERRA ENERGY
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	575-909-0326	Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	GADWALL FED COM #002H	Turn Around	☒ Routine ☐ Rush
Project Number:	(GADWALL)	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	M. COLLIER		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM00
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.2
Total Containers:		Corrected Temperature:	4.8

Pres. Code

ANALYSIS REQUEST

Parameters: BTEX, TPH, CHLORIDES

890-5640 Chain of Custody

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX	TPH	CHLORIDES	Sample Comments
S-1 0-1'	SOIL	11-14-23		0-1'	GRAB	1	X	X	X	
S-1 2'				2'						
S-1 3'R				3'R						
S-2 0-1'				0-1'						
S-2 2'				2'						
S-2 3'R				3'R						
S-3 0-1'				0-1'						
S-3 2'				2'						
S-3 3'R				3'R						
S-4 0-1'				0-1'						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			11-15	1451		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
www.xenco.com

Work Order No: _____

Project Manager:	M. Collier	Bill to: (if different)	Lacy Luig
Company Name:	H+R Enterprise & PALE	Company Name:	Caterra Energy
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gadwell #002H	Turn Around	☐ Routine ☐ Rush
Project Number:		Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:			
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes / No	Wet Ice:	Yes No
Samples Received Intact:	Yes / No	Thermometer ID:	INMCT
Cooler Custody Seals:	Yes No N/A	Correction Factor:	0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.0
Total Containers:		Corrected Temperature:	4.8

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX	TPH	CHLORIDES	Sample Comments
S-4 ~~5'~~ 2'	SOIL	11-14-23		2'	GRAB	1		X	X	X	
S-4 ~~5'~~ 3'R				3'R							
S-5 0-1'				0-1'							
S-5 2'				2'							
S-5 3'R				3'R							
S-6 0-1'				0-1'							
S-6 2'				2'							
S-6 3'R				3'R							
S-7 0-1'				0-1'							
S-7 2'				2'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11-15	2 1431		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	M. Collier	Bill to: (if different)	Jaci Luig
Company Name:	H&R / Enterprise	Company Name:	Coterra Energy
Address:	SEE PAGE 1	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Gaylord	Turn Around	
Project Number:		☐ Routine ☐ Rush	Pres. Code
Project Location:		Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR#6
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.2
Total Containers:		Corrected Temperature:	4.8

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	ANALYSIS REQUEST: BTEX	TPH	CHLORIDES	Sample Comments
S-7 3'R	SOIL	11.14.23		3'R	GRAB	1	X	X	X	
S-8 0-1'				0-1'						
S-8 2'				2'						
S-8 3'R				3'R						
S-9 0-1'				0-1'						
S-9 2'				2'						
S-9 3'R				3'R						
S-10 0-1'				0-1'						
S-10 2'				2'						
S-10 3'R				3'R						

Parameters

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		11-15	2 1451		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: H & R Enterprises Job Number: 890-5640-1

Login Number: 5640 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Bruns, Shannon

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: H & R Enterprises Job Number: 890-5640-1

Login Number: 5640 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 11/17/23 11:08 AM**
Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 290220

CONDITIONS

Operator: CIMAREX ENERGY CO. OF COLORADO 6001 Deauville Blvd, Ste 300N Midland, TX 79706	OGRID: 162683
	Action Number: 290220
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bhall	Closure approved. Site will need to meet the conditions of 19.15.29.13 NMAC. In future reports the 2 business day notification for all samples used for final sampling will need to provided.	12/1/2023