

MCollier@H-R Enterprises.com 575-909-0326

Remediation and Closure Report

Wersell Federal #001 Incident# nAB1515334420 Eddy County, New Mexico

Prepared For:

Cimarex Energy Co. of Colorado 600 Marienfeld St. Midland, TX 79701

Prepared By:

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

May 19, 2023

Mrs. Jennifer Nobui **NMOCD** 1220 S. St. Francis Dr. Santa Fe, NM 87505

Subject: Remediation and Closure Report

Wersell Federal #001 Eddy County, NM

Dear Mrs. Nobui,

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

Site Information

The Wersell Federal #001 is located approximately 2.4 miles East of Carlsbad, New Mexico. The legal location for this release is Unit Letter C, Section 04, Township 22 South and Range 27 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.42693 North and -104.19662 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 Upton gravelly loam, 0 to 9 percent slopes. The referenced soil data is attached in Appendix II. Drainage courses in this area are typically dry. The project site is not 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 55-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 55 Feet/BGS ⊠No Yes 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 ⊠No Yes Within 300 feet from an occupied permanent residence, school, hospital, institution, or church ⊠No Within 500 feet of a spring or a private, domestic fresh water well Yes used by less than five households for domestic or stock watering purposes ⊠No Yes 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 No Yes Within the area overlying a subsurface mine Yes No Within an unstable area Yes \boxtimes No Within a 100-year floodplain

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As this is a remediation in an area with no current groundwater data, the closure criteria for this site are 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/I 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 May 28, 2015, it was discovered that corrosion on a pipe fitting attaching two flow lines caused the release of 20 barrels (bbls) of produced water behind the containment. A total of 0 bbls of produced water were recovered.

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H&R mobilized personnel to begin site assessment, sampling, and remediation activities of the area where the old containment was. Grab samples were obtained by way of test trenching the release area behind the old containment. Samples collected were then transported to Eurofins Laboratory for analysis, and the results of that analysis are presented in the following data table. Initial site assessment sampling locations are illustrated on Site Assessment Map, Appendix I. Before, during, and after photographs of the location are attached in Appendix IV. Complete laboratory reports can be found in Appendix V.

Table 1: Initial 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 Tabl	NMOCD Table 1 Closure Criteria 19.15.29 NMAC		50 mg/kg	10 mg/kg		100 mg/kg		100 mg/kg	600 mg/kg
TT 4	4/20/2022	0-1'	ND	ND	ND	ND	ND	0	1780
Π-1	4/20/2023	2' R	ND	ND	ND	ND	ND	0	80.4
H-1	4/20/2023	0-1'	ND	ND	ND	ND	ND	0	46.6
H-2	4/20/2023	0-1'	ND	ND	ND	ND	ND	0	48.4
H-3	4/20/2023	0-1'	ND	ND	ND	ND	ND	0	43.7
H-4	4/20/2023	0-1'	ND	ND	ND	ND	ND	0	34.5

ND = Analyte Not Detected TT = Vertical Test Trench H = Horizontal R = Refusal w/backhoe

Based on the results of our site assessment and upon client authorization, excavation activities of the impacted area behind the old containment began. Confirmation composite samples were collected from the bottom and sidewalls of the excavation to confirm that NMOCD closure criteria had been met, the results of which can be found in the following data table. Confirmation composite sample locations and excavation dimensions can be found on Confirmation Sample Map in Appendix I. Complete laboratory reports are attached in Appendix V.

Table 2: Confirmation Soil Sample 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	5/12/2023	2'	ND	ND	ND	ND	ND	0	75.5
S-2	5/12/2023	2'	ND	ND	ND	ND	ND	0	70.5
SW-1	5/12/2023	2'	ND	ND	ND	ND	ND	0	65.9
SW-2	5/12/2023	2'	ND	ND	ND	ND	ND	0	75
SW-3	5/12/2023	2'	ND	ND	ND	ND	ND	0	70.4
SW-4	5/12/2023	2'	ND	ND	ND	ND	ND	0	66.4

ND = Analyte Not Detected S = Bottom Sample SW = Sidewall Sample

Remedial Actions

- The impacted areas in the vicinity of sample point S-1 and S-2 were excavated to a total depth of 2-feet BGS.
- Composite confirmation samples were obtained from the sidewalls and bottom of the excavated area to verify that all contaminants above closure criteria had been removed.
- All the excavated material was hauled to and disposed of at Lea Land, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with new topsoil at depth and brought to grade, machine compacted, re-ripped, and contoured to match the surrounding location.
- The Final C-141 formally documenting the remedial actions is attached in Appendix III.

H&R Enterprises, LLC (575) 909-0326 / (575) 605-3471

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Closure

Based on the site assessment, remedial actions and confirmation 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

Environmental Project Manager

Michael Collier

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

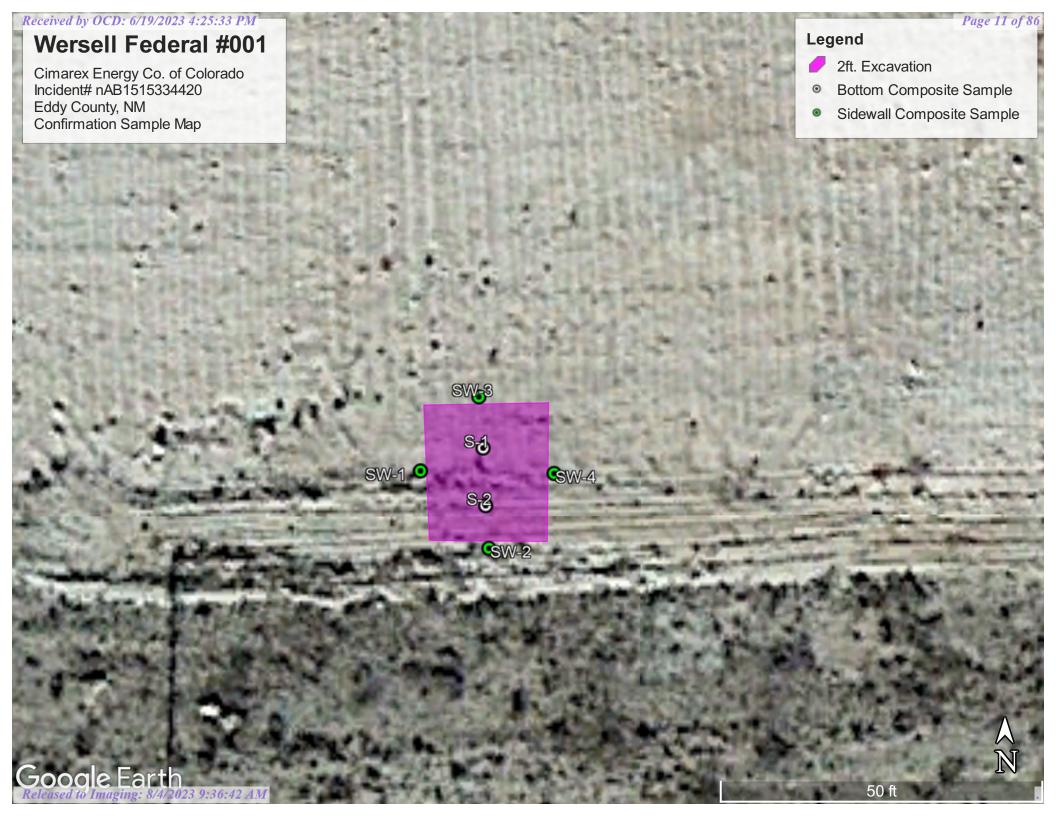
SITE MAPS

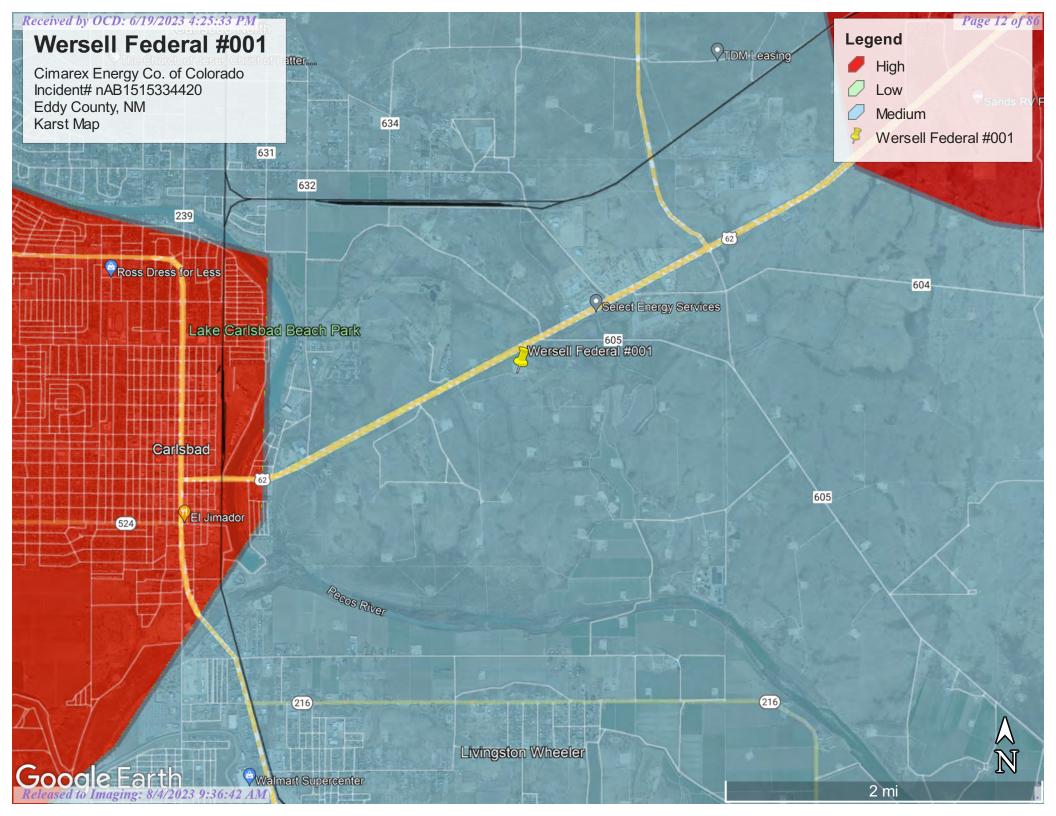
KARST MAP

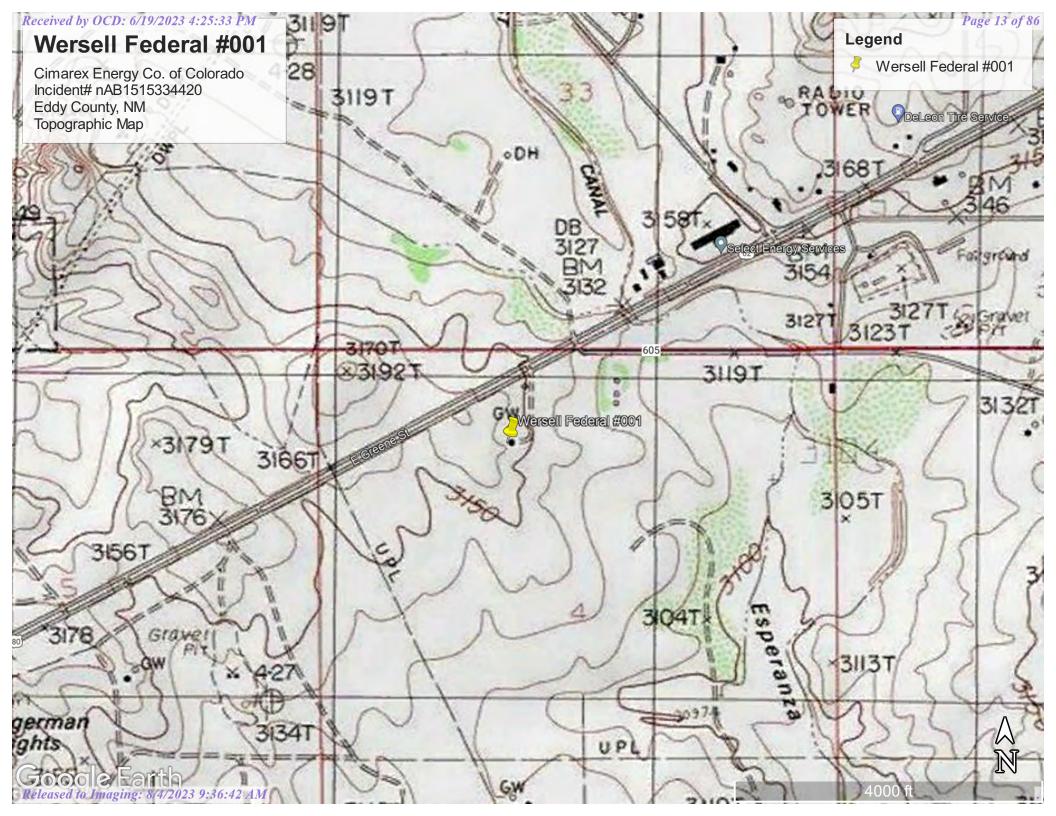
TOPOGRAPHIC MAP

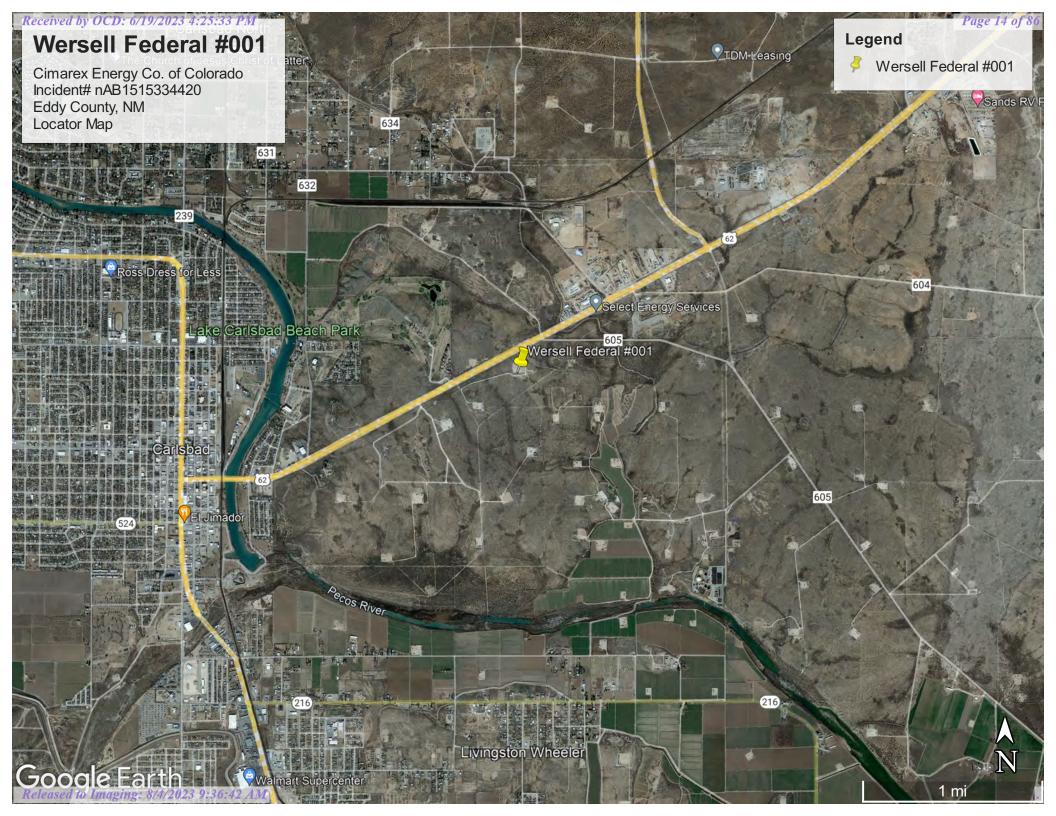
LOCATOR MAP











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)

water right file.)	closed)			(qua	rte	rs are	smalle	est to la	rgest) (N	NAD83 UTM in m	eters)	(In	feet)	
		POD Sub-		0	Q	Ω									Water
POD Number	Code		County					Tws	Rng	X	Y	DistanceDe	pthWellDep	thWater	
C 02193		С	ED			4		21S	27E	574476	3588675*	1217	55	15	
<u>C 00589</u>		CUB	ED	2	4	4	04	22S	27E	576412	3586974*	1378			
C 04457 POD4		CUB	ED	1	3	1	33	21S	27E	574936	3589466	1572	20	15	5
<u>C 00479</u>		C	ED			3	03	22S	27E	576919	3587082*	1699	200		
<u>C 00197</u>		C	ED				32	21S	27E	574067	3589068*	1778	300		
<u>C 00751</u>		C	ED				32	21S	27E	574067	3589068*	1778	325	15	310
<u>C 00566</u>		C	ED	2	2	2	32	21S	27E	574773	3589785*	1927	323	18	305
<u>C 00632</u>		CUB	ED	2	2	2	32	21S	27E	574773	3589785*	1927	270	30	240
<u>C 00344</u>		C	ED		3	3	32	21S	27E	573464	3588465*	2074	180	17	163
<u>C 02009</u>		C	ED		3	3	32	21S	27E	573464	3588465*	2074	50	32	18
<u>C 00660</u>		C	ED	2	1	2	32	21S	27E	574368	3589780*	2106	325	14	311
<u>C 03335</u>		C	ED	4	1	3	29	21S	27E	573636	3589020	2114	225	31	194
<u>C 00188</u>		C	ED		3	3	28	21S	27E	575076	3590094*	2139	280		
<u>C 00717</u>		C	ED	3	3	1	05	22S	27E	573369	3587548*	2162	60	32	28
<u>C 02170</u>		C	ED	1	4	3	28	21S	27E	575375	3590196*	2205	253	60	193
<u>C 00337</u>		C	ED	1	1	2	32	21S	27E	574168	3589780*	2219	318	40	278
<u>C 01650</u>		C	ED		4	4	29	21S	27E	574672	3590089*	2247	45		
<u>C 00783</u>		C	ED	3	1	3	05	22S	27E	573372	3587136*	2280	135	73	62
C 04457 POD2		CUB	ED	1	4	1	32	21S	27E	573743	3589466	2280	12	7	5
<u>C 00652</u>		CUB	ED	2	4	4	29	21S	27E	574771	3590188*	2307	458		
<u>C 02645</u>		C	ED	2	4	4	29	21S	27E	574771	3590188*	2307	195	45	150
<u>C 02837</u>		C	ED	2	4	4	29	21S	27E	574771	3590188*	2307	179	155	24
C 04312 POD4		CUB	ED	4	2	2	06	22S	27E	573133	3587937	2352	25	6	19
C 04457 POD1		CUB	ED	2	3	1	32	21S	27E	573618	3589444	2363	18	13	5
<u>C 00561</u>		C	ED	2	3	1	32	21S	27E	573561	3589368*	2364	250		
C 04443 POD1		C	ED	3	3	4	29	21S	27E	574180	3589974	2372	120	55	65
<u>C 01947</u>		C	ED		3	4	29	21S	27E	574268	3590083*	2417	43	18	25
<u>C 01250</u>		С	ED		3	3	27	21S	27E	576677	3590107*	2426	250	45	205
<u>C_00673</u>		C	ED	2	3	4	29	21S	27E	574367	3590182*	2457	309	30	279
C 04312 POD2		CUB	ED	3	2	2	06	22S	27E	572996	3587963	2488	25	6	19

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C 04312 POD1		CUB	ED	3	2	2	06	22S	27E	572990	3587899	2495	25	21	4
<u>C 00749</u>		C	ED	4	4	3	29	21S	27E	573963	3589977*	2499			
<u>C 00925</u>		C	ED		1	3	28	21S	27E	575070	3590498*	2538	300	46	254
<u>C 00222</u>		CUB	ED	1	3	4	29	21S	27E	574167	3590182*	2554	297		
<u>C 00767</u>		CUB	ED	1	3	4	29	21S	27E	574167	3590182*	2554	150	26	124
<u>C 02063</u>		C	ED				08	22S	27E	574089	3585825*	2578	45	25	20
<u>C 00106</u>		CUB	ED	2	1	1	32	21S	27E	573560	3589769*	2618	105		
<u>C 01038</u>		C	ED	3	4	3	29	21S	27E	573763	3589977*	2626	293	14	279
<u>C 01096</u>		C	ED	3	4	3	29	21S	27E	573763	3589977*	2626	306	17	289
<u>C 01101</u>		C	ED	3	4	3	29	21S	27E	573763	3589977*	2626	315	17	298
<u>C 00064 A</u>		CUB	ED		1	1	32	21S	27E	573461	3589670*	2627	95	15	80
<u>C 01252</u>		C	ED		1	1	32	21S	27E	573461	3589670*	2627	260	17	243
<u>C 01021</u>		C	ED	3	2	4	31	21S	27E	572956	3588750*	2639	255	12	243
C 04378 POD1		CUB	ED	2	3	2	06	22S	27E	572845	3587841	2643			
C 04378 POD2		CUB	ED	2	3	2	06	22S	27E	572845	3587829	2644			
<u>C 00943</u>		C	ED	2	4	3	29	21S	27E	573963	3590177*	2661	280	27	253
<u>C 00092 A</u>	O	CUB	ED	1	3	4	09	22S	27E	575815	3585346*	2668	200		
<u>C 02899</u>		C	ED	1	3	4	09	22S	27E	575815	3585346*	2668	33	22	11
<u>C 03038</u>		C	ED	1	3	4	09	22S	27E	575815	3585346*	2668	43	15	28
<u>C 01493</u>		C	ED	2	3	3	09	22S	27E	575205	3585337*	2671	60	18	42
<u>C 02206</u>		C	ED	2	4	4	08	22S	27E	574800	3585333*	2747	60	18	42
<u>C 01581</u>		C	ED	1	1	1	32	21S	27E	573360	3589769*	2768			
<u>C 02788</u>		C	ED	1	1	1	32	21S	27E	573360	3589769*	2768	30	15	15
<u>C 02374</u>		C	ED		3	4	09	22S	27E	575916	3585247*	2780	54	15	39
<u>C 02379</u>		C	ED		3	4	09	22S	27E	575916	3585247*	2780	55	20	35
<u>C 03029</u>		C	ED		3	4	09	22S	27E	575916	3585247*	2780	45	18	27
<u>C 03084</u>		C	ED	3	1	4	08	22S	27E	574192	3585532*	2780	112	14	98
C 04145 POD1		C	ED	4	2	3	08	22S	27E	574048	3585604	2788	119	81	38
C 04684 POD1		C	ED	2	1	4	29	21S	27E	574315	3590541	2803	240		
<u>C 00412</u>		C	ED		4	4	08	22S	27E	574701	3585234*	2868	237	40	197
<u>C 00092</u>		CUB	ED	4	3	3	09	22S	27E	575205	3585137*	2870	70	40	30
C 00092 CLW193601	O	CUB	ED	4	3	3	09	22S	27E	575205	3585137*	2870	90	40	50
C 00092 CLW193956	O	CUB	ED	4	3	3	09	22S	27E	575205	3585137*	2870	90	40	50
C 00092 CLW193966	O	CUB	ED	4	3	3	09	22S	27E	575205	3585137*	2870	90	40	50
<u>C 03171</u>		C	ED	3	2	3	29	21S	27E	573705	3590267	2887	100	31	69
<u>C 00023</u>		CUB	ED	3	3	3	09	22S	27E	575005	3585137*	2896	90	35	55
C 00023 CLW193948	O	CUB	ED	3	3	3	09	22S	27E	575005	3585137*	2896	90	35	55
<u>C 00023 S</u>		CUB	ED	3	3	3	09	22S	27E	575005	3585137*	2896	90		
<u>C 01126</u>		C	ED	2	2	2	31	21S	27E	573155	3589750*	2917	260	30	230

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C 03550 POD1		CUB	ED	2	3	4 06	22S	27E	572728	3586988	2934	25		
C 04423 POD1		CUB	ED	4	3	4 06	22S	27E	572859	3586676	2937	25	16	9
C 04428 POD1		CUB	ED	4	3	4 06	22S	27E	572859	3586676	2937	25	16	9
<u>C 00089</u>		C	ED		2	2 31	21S	27E	573056	3589651*	2940	280		
C 03651 POD12		CUB	ED	4	3	4 06	22S	27E	572855	3586667	2944	33		
<u>C 00160</u>		C	ED	2	3	3 10	22S	27E	576826	3585355*	2960	85	40	45
C 00160 CLW198701	O	C	ED	2	3	3 10	22S	27E	576826	3585355*	2960			
C 03651 POD5		CUB	ED	4	3	4 06	22S	27E	572815	3586694	2968	31	17	14
<u>C 01755</u>		C	ED		2	3 29	21S	27E	573860	3590480*	2970	320	17	303
<u>C 02045</u>		C	ED		2	3 29	21S	27E	573860	3590480*	2970	80	29	51
C 03651 POD9		CUB	ED	4	3	4 06	22S	27E	572860	3586602	2970	26		
C 03651 POD13		CUB	ED	4	3	4 06	22S	27E	572840	3586636	2972	30		
<u>C 00021 A</u>		CUB	ED	4	4	4 09	22S	27E	576421	3585150*	2993	196	40	156
C 00021 CLW193276	O	CUB	ED	4	4	4 09	22S	27E	576421	3585150*	2993	100		
C 03651 POD1		CUB	ED	4	3	4 06	22S	27E	572781	3586705	2994	30		
C 03651 POD4		CUB	ED	4	3	4 06	22S	27E	572772	3586719	2997	30		
C 03651 POD3		CUB	ED	4	3	4 06	22S	27E	572783	3586690	2999	30		

Average Depth to Water: 29 feet
Minimum Depth: 6 feet

Maximum Depth: 155 feet

Record Count: 86

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 575484.62 **Northing (Y):** 3587993.64 **Radius:** 3000

$\ast UTM$ location was derived from PLSS - see Help

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

5/19/23 1:30 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Eddy Area, New Mexico

Uo—Upton gravelly loam, 0 to 9 percent slopes

Map Unit Setting

National map unit symbol: 1w67 Elevation: 1,100 to 4,400 feet

Mean annual precipitation: 7 to 15 inches

Mean annual air temperature: 60 to 70 degrees F

Frost-free period: 200 to 240 days

Farmland classification: Not prime farmland

Map Unit Composition

Upton and similar soils: 96 percent *Minor components:* 4 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Upton

Setting

Landform: Ridges, fans

Landform position (three-dimensional): Side slope, rise

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Residuum weathered from limestone

Typical profile

H1 - 0 to 9 inches: gravelly loam
H2 - 9 to 13 inches: gravelly loam
H3 - 13 to 21 inches: cemented

H4 - 21 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 9 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: D

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Minor Components

Atoka

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Atoka

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Upton

Percent of map unit: 1 percent

Ecological site: R070BC025NM - Shallow

Hydric soil rating: No

Reagan

Percent of map unit: 1 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

Received by OCD: 6/19/2023 4:25:33,PM National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 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 OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 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** OTHER Profile Baseline **FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate

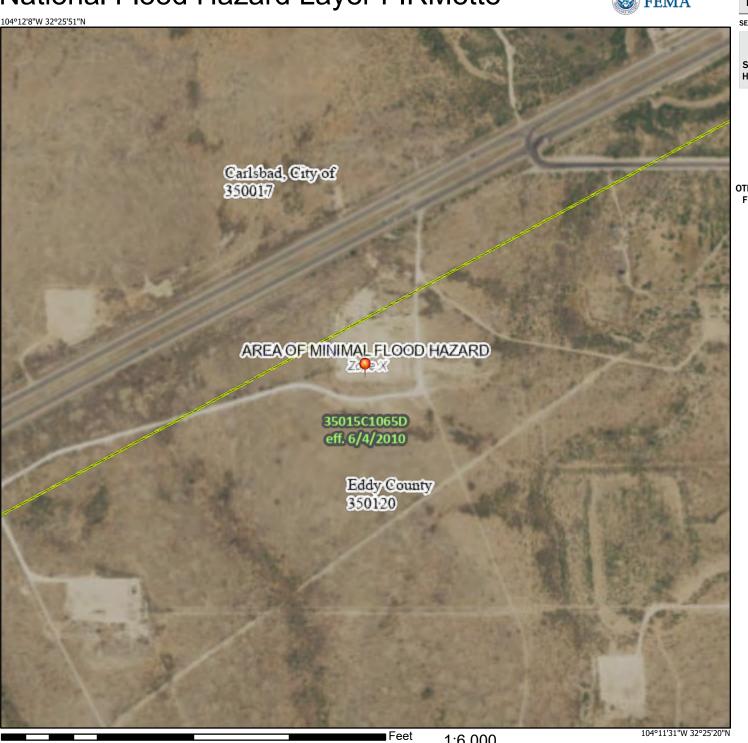
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

point selected by the user and does not represent

an authoritative property location.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/19/2023 at 4:08 PM 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.



2.000

APPENDIX III

INITIAL C-141

FINAL C-141

Received by OCD: 6/19/2023 4:25:33 PM 1625 N. French Dr., Hobbs, NM 88240

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

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15,29 NMAC.

			Rel	ease Notific	atio	n and Co	rrective A	ction	1				
						OPERA:	ГOR			al Report		Final Rep	port
Name of Co				1		Contact Gloria Garza Telephone No. 432-234-3204							
Facility Nar		enfeld Ste 60	0 Midlan	id TX			No. 432-234-32 De: Tank Battery						
						racinty Typ	e. Talk Ballely	·		***************************************			
Surface Ow	ner: Feder	al		Mineral C)wner				API No	. 30-015-2	<u> 20915</u>		
				LOCA	OIT	N OF RE	LEASE						
Unit Letter	Section	Township	Range	Feet from the		h/South Line	Feet from the	1	West Line	County			
С	04	22S	27E	810	FNL		1980	FWL		Eddy			
			1	Latitude:32.4	4 26 93 _.	Longitude	:-104.19662	1					
				NAT	URE	e of reli	EASE						
Type of Rele							Release: 20 BBL			Recovered: (
Source of Re	lease: Flow	line				Date and H	Iour of Occurrence	e:	Date and 5/28/2015	Hour of Dis	covery		
Was Immedia	ate Notice (Given?				If YES, To	Whom?		372072013	,			
			Yes [No Not Re	equired	l Jeff Robert	son BLM & Mik	e Bratcl	ner OCD				
By Whom? C							lour: 6/1/2015 4:2						
Was a Water	course Read	ched?	Yes 🗵] No		If YES, Vo	olume Impacting t	the Wat	ercourse.				
If a Watercou	ırse was Im	pacted, Descr	ibe Fully.	*									
Describe Cau	as of Dush!	ans and Dama	dial Assis	u Telem *									
Corrosion on	a 45 pipe f	itting attachin	g two flov	v lines. Moving fo	rward	we will fuse th	e two flow lines	together	to elimina	te fitting wa	shing o	out.	
Describe Are Talon Enviro				ken.* e impacted soil.									
regulations al public health should their o	I operators or the envi- perations h nment. In a	are required to ronment. The save failed to addition, NMC	o report an acceptant adequately ICD accep	e is true and comp. nd/or file certain rece of a C-141 report investigate and re otance of a C-141 re	elease ort by tl emedia	notifications a he NMOCD m ite contaminati	nd perform correct arked as "Final R on that pose a thr	ctive act cport" of ceat to gr	ions for rele loes not rele round water	cases which leve the ope r, surface wa	inay e rator o: iter, hu	ndanger f liability ıman health	
	en () ()	e.					OIL CON	SERV	ATION	DIVISIO	<u>)N</u>		
Signature: (Her	Wal	<u>W</u>	<u> </u>	Approved by Environmental Specialist:								
Printed Name	: Gloria G	arza						- 					
Title: ESH T	ech				.	Approval Dat	e;		Expiration	Date:			
E-mail Addre	ss: ggarza(@cimarex.cor	n			Conditions of	Approval:			Attached			
Date: 6/2/201	5		Phone	432-234-3204						1			

^{*} Attach Additional Sheets If Necessary

Ashton Thielke

From: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Sent: Wednesday, May 10, 2023 9:38 AM

To: Ashton Thielke

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD

Subject: RE: [EXTERNAL] nAB1507730700 & nAB1515334420 - WERSELL FEDERAL #001 -

Confirmation Sampling Notification

WARNING: This email originated from outside of Coterra Energy. Do not click links or open attachments unless you recognize the sender, are expecting the content and know it is safe.

Ashton,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

JΗ

Jocelyn Harimon ● Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1220 South St. Francis Drive | Santa Fe, NM 87505 (505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http:// www.emnrd.nm.gov



From: Ashton Thielke < Ashton. Thielke@coterra.com>

Sent: Tuesday, May 9, 2023 2:52 PM

To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Cc: Laci Luig < Laci.Luig@coterra.com>

Subject: [EXTERNAL] nAB1507730700 & nAB1515334420 - WERSELL FEDERAL #001 - Confirmation Sampling Notification

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

Good afternoon,

This new email serves as 48+ hour notification for confirmation sampling on the Wersell Federal #001. Sampling is scheduled to begin as early as 10:00am (MST) Friday, May 12th, weather and soil conditions permitting. H&R Enterprises will be on site to collect the confirmation samples. Remediation for both incidents mentioned below will be completed at this time.

Incident ID: nAB1507730700 & nAB1515334420

Coordinates: 32.426505, -104.197119

Thank you,



Ashton Thielke | PBU - Environmental Consultant
T: 432.813.8988 | M: 281.753.5659 | ashton.thielke@coterra.com | www.coterra.com
Coterra Energy Inc. | 600 N. Marienfeld Street, Suite 600 | Midland, TX 79701

Coterra Energy Inc. is the result of the merger of Cimarex Energy Co. and Cabot Oil & Gas Corporation on October 1, 2021.

This message may contain confidential and/or privileged information. If you are not the addressee or authorized to receive this for the addressee, you must not use, copy, disclose or take any action based on this message or any information herein. If you have received this message in error, please advise the sender immediately by reply e-mail and delete this message.

Received by OCD: 6/19/2023 4:25:33 PM Form C-141 State of New Mexico Page 3 Oil Conservation Division

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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 ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
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 well 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	ls.

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.

Received by OCD: 6/19/2023 4:25:33 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 27 of 86
Incident ID	
District RP	
Facility ID	
Application ID	

regulations all operators are required to report and/or file certain release republic health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a second contamination and the second contamination are second contamination.	the best of my knowledge and understand that pursuant to OCD rules and notifications and perform corrective actions for releases which may endanger no OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws
Printed Name:	Title:
Signature: QQC.	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Received by OCD: 6/19/2023 4:25:33 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

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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	g items must be included in the closure report.								
A scaled site and sampling diagram as described in 19.15.29	9.11 NMAC								
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	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 OI	DC District office must be notified 2 days prior to final sampling)								
☐ Description of remediation activities									
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance is should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regurestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	Title:								
OCD Only									
Received by:	Date:								
	ty of liability should their operations have failed to adequately investigate and be water, human health, or the environment nor does not relieve the responsible ad/or regulations.								
Closure Approved by: uttan Hall	Date: 8/4/2023								
Printed Name: Brittany Hall	Title: Environmental Specialist								

APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPHIC DOCUMENTATION

INITIAL PHOTOGRAPH



EXCAVATION PHOTOGRAPHS



PHOTOGRAPHIC DOCUMENTATION

EXCAVATION PHOTOGRAPHS



FINAL PHOTOGRAPH



APPENDIX V

LABORATORY REPORTS

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 4/28/2023 10:29:16 AM

JOB DESCRIPTION

Wersel Fed #001 SDG NUMBER (Wersell 1A)

JOB NUMBER

890-4552-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220



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

Generated 4/28/2023 10:29:16 AM

Authorized for release by Jessica Kramer, Project Manager Jessica.Kramer@et.eurofinsus.com (432)704-5440

Client: H & R Enterprises Laboratory Job ID: 890-4552-1 Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

Table of Contents

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Definitions/Glossary

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

ell 1A)

Qualifiers

GC VOA

Qualifier Description

S1- Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

S1+ Surrogate recovery exceeds control limits, high biased.
U Indicates the analyte was analyzed for but not detected.

HPLC/IC

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.

Eisted 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)

TNTC Too Numerous To Count

Eurofins Carlsbad

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Case Narrative

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

Job ID: 890-4552-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4552-1

Receipt

The samples were received on 4/20/2023 12:51 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 5.0° C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: TT-1 0-1' (890-4552-1), TT-1 2'R (890-4552-2), H-1 0-1' (890-4552-3), H-2 0-1' (890-4552-4), H-3 0-1' (890-4552-5) and H-4 0-1' (890-4552-6).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: TT-1 0-1' (890-4552-1), H-1 0-1' (890-4552-3), H-2 0-1' (890-4552-4), H-3 0-1' (890-4552-5), H-4 0-1' (890-4552-6), (880-27483-A-1-C) and (880-27483-A-1-B MSD). 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.

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-51719 and analytical batch 880-51662 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-51719/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: TT-1 0-1' (890-4552-1), TT-1 2'R (890-4552-2), H-1 0-1' (890-4552-3), H-2 0-1' (890-4552-4) and H-3 0-1' (890-4552-5). 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.

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Lab Sample ID: 890-4552-1

Client Sample Results

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

Client Sample ID: TT-1 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/23 13:29	04/22/23 03:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				04/21/23 13:29	04/22/23 03:07	1
1,4-Difluorobenzene (Surr)	66	S1-	70 - 130				04/21/23 13:29	04/22/23 03:07	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	ulation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00396	U	0.00396		mg/Kg			04/24/23 15:04	1
Mothod: SW946 9045 NM Dioc	ol Bango Organ	ice (DBO) (
Method: SW846 8015 NM - Diese Analyte		ics (DRO) (G		MDL	Unit	D	Prepared	Analyzed	Dil Fac
		Qualifier	GC)	MDL		<u>D</u>	Prepared		Dil Fac
Analyte	Result <50.0	Qualifier U	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Total TPH	Result <50.0 sel Range Orga	Qualifier U	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	1
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <50.0 sel Range Orga	Qualifier Unics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg	=		Analyzed 04/24/23 12:42	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC) RL RL		Unit mg/Kg	=	Prepared	Analyzed 04/24/23 12:42 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 sel Range Orga Result <50.0	Qualifier U nics (DRO) Qualifier U	(GC) RL 50.0 RL 50.0		Unit mg/Kg Unit mg/Kg	=	Prepared 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0	Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 04/21/23 13:59 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01 04/22/23 02:01	1 Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01 04/22/23 02:01	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits		Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01 04/22/23 02:01 04/22/23 02:01 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <50.0	Qualifier U nics (DRO) Qualifier U U Qualifier S1+ S1+	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01 04/22/23 02:01 Analyzed 04/22/23 02:01	1 Dil Fac 1
Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U nics (DRO) Qualifier U U Qualifier S1+ S1+	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg Unit mg/Kg mg/Kg	=	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 02:01 04/22/23 02:01 Analyzed 04/22/23 02:01	Dil Fac 1 1 1 Dil Fac

Client Sample ID: TT-1 2'R

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 2 - 2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 13:29	04/22/23 03:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	62	S1-	70 - 130				04/21/23 13:29	04/22/23 03:27	1

Eurofins Carlsbad

Lab Sample ID: 890-4552-2

Matrix: Solid

Lab Sample ID: 890-4552-2

Client Sample Results

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

Client Sample ID: TT-1 2'R

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 2 - 2

Method: SW846 8021B - 1	Volatile Organic Compounds	(GC) (Continued)
-------------------------	----------------------------	------------------

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104	70 - 130	04/21/23 13:29	04/22/23 03:27	1

Mothod: TAL SOP	Total RTFY - Tota	I BTEX Calculation
Method. TAL OUT	TOTAL DIEX - TOTA	I DIEA Calculation

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/23 15:04	1

Analyte	Result C	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	J	50.0	mg/Kg			04/24/23 12:42	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/22/23 02:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/22/23 02:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/22/23 02:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	204	S1+	70 - 130	04/21/23 13:5	9 04/22/23 02:23	1
o-Terphenyl	228	S1+	70 - 130	04/21/23 13:5	9 04/22/23 02:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.4		4.99		mg/Kg			04/27/23 19:00	1

Client Sample ID: H-1 0-1' Lab Sample ID: 890-4552-3

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Mothodi CIMO46 0024D	Valatila Organia Campaunda (C)	~

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/21/23 13:29	04/22/23 03:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130				04/21/23 13:29	04/22/23 03:48	1
1,4-Difluorobenzene (Surr)	73		70 - 130				04/21/23 13:29	04/22/23 03:48	1

Mothod: TAI	SOP Total RTFY	- Total RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/24/23 15:04	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (G
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Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/24/23 12:42	1

Eurofins Carlsbad

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-4552-3

Client Sample Results

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

Client Sample ID: H-1 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		04/21/23 13:59	04/22/23 02:45	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		04/21/23 13:59	04/22/23 02:45	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/21/23 13:59	04/22/23 02:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	248	S1+	70 - 130				04/21/23 13:59	04/22/23 02:45	1
o-Terphenyl	273	S1+	70 - 130				04/21/23 13:59	04/22/23 02:45	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.6		5.04		mg/Kg			04/27/23 19:05	1

Lab Sample ID: 890-4552-4 Client Sample ID: H-2 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/21/23 13:29	04/22/23 04:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	56	S1-	70 - 130				04/21/23 13:29	04/22/23 04:08	1
1,4-Difluorobenzene (Surr)	82		70 - 130				04/21/23 13:29	04/22/23 04:08	1
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/24/23 15:04	1
: Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDI			Propared		·
• •	el Range Organ	ics (DRO) (MDL		D	Prepared	04/24/23 15:04 Analyzed 04/24/23 12:42	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Control of the Control of	GC) RL 50.0	MDL	Unit mg/Kg	D	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Dies	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg			Analyzed 04/24/23 12:42	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0		Unit mg/Kg		Prepared	Analyzed 04/24/23 12:42 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 03:07	Dil Fac Dil Fac 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/23 13:59 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 03:07 04/22/23 03:07	Dil Fac Dil Fac 1 1 1
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/21/23 13:59 04/21/23 13:59	Analyzed 04/24/23 12:42 Analyzed 04/22/23 03:07 04/22/23 03:07	Dil Fac Dil Fac 1

Lab Sample ID: 890-4552-4

Client Sample Results

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

Client Sample ID: H-2 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	48.4		5.03		mg/Kg			04/27/23 19:10	1

Client Sample ID: H-3 0-1'

Date Collected: 04/20/23 00:00

Lab Sample ID: 890-4552-5

Matrix: Solid

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202		mg/Kg		04/21/23 13:29	04/22/23 04:29	
Toluene	<0.00202	U	0.00202		mg/Kg		04/21/23 13:29	04/22/23 04:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/21/23 13:29	04/22/23 04:29	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/21/23 13:29	04/22/23 04:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/21/23 13:29	04/22/23 04:29	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/21/23 13:29	04/22/23 04:29	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130				04/21/23 13:29	04/22/23 04:29	1
1,4-Difluorobenzene (Surr)	97		70 - 130				04/21/23 13:29	04/22/23 04:29	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cale	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/24/23 15:04	1
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			04/24/23 12:42	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		04/21/23 13:59	04/22/23 03:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/21/23 13:59	04/22/23 03:28	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/21/23 13:59	04/22/23 03:28	1
Oil Nange Organics (Over C20-C30)									
,	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Surrogate	%Recovery		Limits 70 - 130				Prepared 04/21/23 13:59	Analyzed 04/22/23 03:28	
Surrogate 1-Chlorooctane o-Terphenyl	258								
Surrogate 1-Chlorooctane	258 282	S1+ S1+	70 - 130 70 - 130				04/21/23 13:59	04/22/23 03:28	1
Surrogate 1-Chlorooctane o-Terphenyl	258 282 Chromatograp	S1+ S1+	70 - 130 70 - 130	MDL	Unit	D	04/21/23 13:59	04/22/23 03:28	Dil Fac

Job ID: 890-4552-1

Client: H & R Enterprises Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

Client Sample ID: H-4 0-1'

Date Received: 04/20/23 12:51

Lab Sample ID: 890-4552-6 Date Collected: 04/20/23 00:00

Matrix: Solid

Sample Depth: 0 - 1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 04:49	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 04:49	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 04:49	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/21/23 13:29	04/22/23 04:49	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/21/23 13:29	04/22/23 04:49	,
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/21/23 13:29	04/22/23 04:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	59	S1-	70 - 130				04/21/23 13:29	04/22/23 04:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130				04/21/23 13:29	04/22/23 04:49	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			04/24/23 15:04	1
	•	ics (DRO) (Qualifier	GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	•	Qualifier	•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/24/23 12:42	
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	MDL		<u>D</u>	Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies	Result <49.9 sel Range Orga	Qualifier U	RL 49.9			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	Result <49.9 sel Range Orga	Qualifier Unics (DRO) Qualifier	RL 49.9 (GC)		mg/Kg	<u> </u>		04/24/23 12:42	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <49.9 sel Range Orga Result	Qualifier U nics (DRO) Qualifier U	(GC)		mg/Kg	<u> </u>	Prepared	04/24/23 12:42 Analyzed	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9 sel Range Orga Result <49.9	Qualifier U nics (DRO) Qualifier U	(GC) RL 49.9		mg/Kg Unit mg/Kg	<u> </u>	Prepared 04/21/23 13:59	04/24/23 12:42 Analyzed 04/22/23 03:50	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 04/21/23 13:59 04/21/23 13:59	04/24/23 12:42 Analyzed 04/22/23 03:50 04/22/23 03:50	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	Result	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59	04/24/23 12:42 Analyzed 04/22/23 03:50 04/22/23 03:50	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.9	Qualifier U nics (DRO) Qualifier U U	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared	04/24/23 12:42 Analyzed 04/22/23 03:50 04/22/23 03:50 04/22/23 03:50 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: EPA 300.0 - Anions, Ion	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared 04/21/23 13:59	Analyzed 04/22/23 03:50 04/22/23 03:50 Analyzed 04/22/23 03:50	Dil Fac
Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.9	Qualifier U nics (DRO) Qualifier U U Qualifier	RL 49.9 (GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg	<u> </u>	Prepared 04/21/23 13:59 04/21/23 13:59 04/21/23 13:59 Prepared 04/21/23 13:59	Analyzed 04/22/23 03:50 04/22/23 03:50 Analyzed 04/22/23 03:50	Dil Fac

Surrogate Summary

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

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)	
390-4552-1	TT-1 0-1'	113	66 S1-	
390-4552-2	TT-1 2'R	62 S1-	104	
390-4552-3	H-1 0-1'	68 S1-	73	
390-4552-4	H-2 0-1'	56 S1-	82	
390-4552-5	H-3 0-1'	59 S1-	97	
390-4552-6	H-4 0-1'	59 S1-	100	
CS 880-51716/1-A	Lab Control Sample	119	111	
CSD 880-51716/2-A	Lab Control Sample Dup	108	100	
MB 880-51617/5-A	Method Blank	99	98	
MB 880-51716/5-A	Method Blank	76	79	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-4552-1	TT-1 0-1'	211 S1+	247 S1+	
890-4552-2	TT-1 2'R	204 S1+	228 S1+	
890-4552-3	H-1 0-1'	248 S1+	273 S1+	
890-4552-4	H-2 0-1'	203 S1+	228 S1+	
890-4552-5	H-3 0-1'	258 S1+	282 S1+	
890-4552-6	H-4 0-1'	107	121	
LCS 880-51719/2-A	Lab Control Sample	110	127	
LCSD 880-51719/3-A	Lab Control Sample Dup	114	131 S1+	
MB 880-51719/1-A	Method Blank	137 S1+	169 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-4552-1

SDG: (Wersell 1A)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-51617/5-A

Matrix: Solid

Analysis Batch: 51663

Client: H & R Enterprises

Project/Site: Wersel Fed #001

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 51617

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/20/23 13:10	04/21/23 11:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/20/23 13:10	04/21/23 11:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/20/23 13:10	04/21/23 11:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/20/23 13:10	04/21/23 11:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/20/23 13:10	04/21/23 11:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/20/23 13:10	04/21/23 11:01	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed
4-Bromofluorobenzene (Surr)	99		70 - 130	_	04/20/23 13:10	04/21/23 11:01
1,4-Difluorobenzene (Surr)	98		70 - 130		04/20/23 13:10	04/21/23 11:01

Client Sample ID: Method Blank

Analyzed

Prep Type: Total/NA

Prep Batch: 51716

Lab Sample ID: MB 880-51716/5-A Matrix: Solid

Analysis Batch: 51663

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/21/23 21:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/21/23 21:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/21/23 21:37	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/21/23 13:29	04/21/23 21:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/21/23 13:29	04/21/23 21:37	1
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		04/21/23 13:29	04/21/23 21:37	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	04/21/23 13:29	04/21/23 21:37	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/21/23 13:29	04/21/23 21:37	1

Lab Sample ID: LCS 880-51716/1-A

Matrix: Solid

Analysis Batch: 51663

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

Prep Batch: 51716

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09926		mg/Kg		99	70 - 130	
Toluene	0.100	0.09923		mg/Kg		99	70 - 130	
Ethylbenzene	0.100	0.1014		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.2163		mg/Kg		108	70 - 130	
o-Xylene	0.100	0.1095		mg/Kg		110	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	119	70 - 130
1.4-Difluorobenzene (Surr)	111	70 - 130

Lab Sample ID: LCSD 880-51716/2-A

Matrix: Solid

Analysis Batch: 51663

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

Prep Batch: 51716

	Spike	LCSD LCSD				%Rec		RPD	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.09527	mg/Kg		95	70 - 130	4	35	

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Dil Fac

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

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

Lab Sample ID: LCSD 880-5 Matrix: Solid	51716/2-A					Clie	nt Sam	ple ID:	•	Гуре: To	tal/NA
Analysis Batch: 51663			Spike	LCSD	LCSD				%Rec	Batch:	S1716 RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.09162		mg/Kg		92	70 - 130	8	35
Ethylbenzene			0.100	0.08622		mg/Kg		86	70 - 130	16	35
m-Xylene & p-Xylene			0.200	0.1793		mg/Kg		90	70 - 130	19	35
o-Xylene			0.100	0.09045		mg/Kg		90	70 - 130	19	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	108		70 - 130								
1,4-Difluorobenzene (Surr)	100		70 - 130								

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

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						Chent Sa	mple ID: Metho	u biank
							Prep Type: 1	Total/NA
							Prep Batch	n: 51719
MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/21/23 19:51	1
<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/21/23 19:51	1
<50.0	U	50.0		mg/Kg		04/21/23 13:59	04/21/23 19:51	1
MB	MB							
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
137	S1+	70 - 130				04/21/23 13:59	04/21/23 19:51	1
169	S1+	70 - 130				04/21/23 13:59	04/21/23 19:51	1
	Result		Result Qualifier RL <50.0	Result Qualifier RL MDL <50.0	Result Qualifier RL MDL Unit <50.0	Result Qualifier RL MDL Unit D <50.0	Result Qualifier RL MDL Unit D Prepared <50.0	Result Qualifier RL MDL Unit D Prepared Analyzed <50.0

Lab Sample ID: LCS 880-5171 Matrix: Solid Analysis Batch: 51662	9/2-A						Client	Sample	Prep 1	ontrol Sample Type: Total/NA Batch: 51719
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	866.8		mg/Kg		87	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	909.4		mg/Kg		91	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	110		70 - 130							

Lab Sample ID: LCSD 880-51719/3-A				Clie	ent Sam	ple ID: I	_ab Contro	ol Sampl	e Dup
Matrix: Solid							Prep 7	Type: To	tal/NA
Analysis Batch: 51662							Prep	Batch:	51719
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit

70 - 130

Gasoline Range Organics 1000 1010 mg/Kg 101 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 941.5 mg/Kg 94 70 - 130 C10-C28)

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o-Terphenyl

Job ID: 890-4552-1 Client: H & R Enterprises Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

Lab Sample ID: LCSD 880-51719/3-A

Matrix: Solid

Analysis Batch: 51662

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Batch: 51719

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

LCSD LCSD

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

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 114 70 - 130 o-Terphenyl 131 S1+ 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-51905/1-A

Matrix: Solid

Analysis Batch: 52117

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 5.00 Chloride <5.00 U 04/27/23 10:59 mg/Kg

Lab Sample ID: LCS 880-51905/2-A

Matrix: Solid

Analysis Batch: 52117

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 270.6 108 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-51905/3-A

Matrix: Solid

Analysis Batch: 52117

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 263.4 105 90 - 110 20 mg/Kg

QC Association Summary

Client: H & R Enterprises Job ID: 890-4552-1 Project/Site: Wersel Fed #001 SDG: (Wersell 1A)

GC VOA

Prep Batch: 51617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-51617/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 51663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	8021B	51716
890-4552-2	TT-1 2'R	Total/NA	Solid	8021B	51716
890-4552-3	H-1 0-1'	Total/NA	Solid	8021B	51716
890-4552-4	H-2 0-1'	Total/NA	Solid	8021B	51716
890-4552-5	H-3 0-1'	Total/NA	Solid	8021B	51716
890-4552-6	H-4 0-1'	Total/NA	Solid	8021B	51716
MB 880-51617/5-A	Method Blank	Total/NA	Solid	8021B	51617
MB 880-51716/5-A	Method Blank	Total/NA	Solid	8021B	51716
LCS 880-51716/1-A	Lab Control Sample	Total/NA	Solid	8021B	51716
LCSD 880-51716/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	51716

Prep Batch: 51716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	5035	_
890-4552-2	TT-1 2'R	Total/NA	Solid	5035	
890-4552-3	H-1 0-1'	Total/NA	Solid	5035	
890-4552-4	H-2 0-1'	Total/NA	Solid	5035	
890-4552-5	H-3 0-1'	Total/NA	Solid	5035	
890-4552-6	H-4 0-1'	Total/NA	Solid	5035	
MB 880-51716/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-51716/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-51716/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 51870

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	Total BTEX	
890-4552-2	TT-1 2'R	Total/NA	Solid	Total BTEX	
890-4552-3	H-1 0-1'	Total/NA	Solid	Total BTEX	
890-4552-4	H-2 0-1'	Total/NA	Solid	Total BTEX	
890-4552-5	H-3 0-1'	Total/NA	Solid	Total BTEX	
890-4552-6	H-4 0-1'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 51662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	8015B NM	51719
890-4552-2	TT-1 2'R	Total/NA	Solid	8015B NM	51719
890-4552-3	H-1 0-1'	Total/NA	Solid	8015B NM	51719
890-4552-4	H-2 0-1'	Total/NA	Solid	8015B NM	51719
890-4552-5	H-3 0-1'	Total/NA	Solid	8015B NM	51719
890-4552-6	H-4 0-1'	Total/NA	Solid	8015B NM	51719
MB 880-51719/1-A	Method Blank	Total/NA	Solid	8015B NM	51719
LCS 880-51719/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	51719
LCSD 880-51719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	51719

QC Association Summary

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

GC Semi VOA

Prep Batch: 51719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	8015NM Prep	
890-4552-2	TT-1 2'R	Total/NA	Solid	8015NM Prep	
890-4552-3	H-1 0-1'	Total/NA	Solid	8015NM Prep	
890-4552-4	H-2 0-1'	Total/NA	Solid	8015NM Prep	
890-4552-5	H-3 0-1'	Total/NA	Solid	8015NM Prep	
890-4552-6	H-4 0-1'	Total/NA	Solid	8015NM Prep	
MB 880-51719/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-51719/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-51719/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 51851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Total/NA	Solid	8015 NM	
890-4552-2	TT-1 2'R	Total/NA	Solid	8015 NM	
890-4552-3	H-1 0-1'	Total/NA	Solid	8015 NM	
890-4552-4	H-2 0-1'	Total/NA	Solid	8015 NM	
890-4552-5	H-3 0-1'	Total/NA	Solid	8015 NM	
890-4552-6	H-4 0-1'	Total/NA	Solid	8015 NM	

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Leach Batch: 51905

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Soluble	Solid	DI Leach	
890-4552-2	TT-1 2'R	Soluble	Solid	DI Leach	
890-4552-3	H-1 0-1'	Soluble	Solid	DI Leach	
890-4552-4	H-2 0-1'	Soluble	Solid	DI Leach	
890-4552-5	H-3 0-1'	Soluble	Solid	DI Leach	
890-4552-6	H-4 0-1'	Soluble	Solid	DI Leach	
MB 880-51905/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-51905/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-51905/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 52117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4552-1	TT-1 0-1'	Soluble	Solid	300.0	51905
890-4552-2	TT-1 2'R	Soluble	Solid	300.0	51905
890-4552-3	H-1 0-1'	Soluble	Solid	300.0	51905
890-4552-4	H-2 0-1'	Soluble	Solid	300.0	51905
890-4552-5	H-3 0-1'	Soluble	Solid	300.0	51905
890-4552-6	H-4 0-1'	Soluble	Solid	300.0	51905
MB 880-51905/1-A	Method Blank	Soluble	Solid	300.0	51905
LCS 880-51905/2-A	Lab Control Sample	Soluble	Solid	300.0	51905
LCSD 880-51905/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	51905

Client Sample ID: TT-1 0-1'

Client: H & R Enterprises Project/Site: Wersel Fed #001

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Lab Sample ID: 890-4552-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	51716	04/21/23 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51663	04/22/23 03:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51870	04/24/23 15:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			51851	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	51719	04/21/23 13:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/22/23 02:01	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51905	04/25/23 07:42	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52117	04/27/23 18:55	SMC	EET MID

Lab Sample ID: 890-4552-2

Client Sample ID: TT-1 2'R Date Collected: 04/20/23 00:00

Date Received: 04/20/23 12:51

Matrix: Solid

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 51716 Total/NA Prep 5.02 g 5 mL 04/21/23 13:29 MNR EET MID Total/NA 8021B 5 mL 51663 04/22/23 03:27 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 51870 04/24/23 15:04 Analysis A.I **EET MID** 1 Total/NA Analysis 8015 NM 51851 04/24/23 12:42 SM **EET MID** Total/NA 51719 Prep 8015NM Prep 10.01 g 10 mL 04/21/23 13:59 A.I **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 51662 04/22/23 02:23 SM **EET MID** Soluble KS Leach DI Leach 5.01 g 50 mL 51905 04/25/23 07:42 EET MID Soluble Analysis 300.0 50 mL 50 mL 52117 04/27/23 19:00 SMC **EET MID**

Client Sample ID: H-1 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

Lab Sample ID: 890-4552-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	51716	04/21/23 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51663	04/22/23 03:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51870	04/24/23 15:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			51851	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	51719	04/21/23 13:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/22/23 02:45	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	51905	04/25/23 07:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52117	04/27/23 19:05	SMC	EET MID

Client Sample ID: H-2 0-1'

Date Collected: 04/20/23 00:00

Date Received: 04/20/23 12:51

Lab Sample ID: 890-4552-4

Matrix: Solid

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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	51716	04/21/23 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51663	04/22/23 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51870	04/24/23 15:04	AJ	EET MID

Client: H & R Enterprises
Project/Site: Wersel Fed #001

Job ID: 890-4552-1 SDG: (Wersell 1A)

SDG: (Wersell 1A

Lab Sample ID: 890-4552-4

Matrix: Solid

Client Sample ID: H-2 0-1'

Date Collected: 04/20/23 00:00 Date Received: 04/20/23 12:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			51851	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	51719	04/21/23 13:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/22/23 03:07	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	51905	04/25/23 07:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52117	04/27/23 19:10	SMC	EET MID

Client Sample ID: H-3 0-1'

Date Collected: 04/20/23 00:00

Lab Sample ID: 890-4552-5

Matrix: Solid

Date Received: 04/20/23 12:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	51716	04/21/23 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51663	04/22/23 04:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51870	04/24/23 15:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			51851	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	51719	04/21/23 13:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/22/23 03:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51905	04/25/23 07:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52117	04/27/23 19:15	SMC	EET MID

Client Sample ID: H-4 0-1'

Date Collected: 04/20/23 00:00

Lab Sample ID: 890-4552-6

Matrix: Solid

Date Received: 04/20/23 12:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	51716	04/21/23 13:29	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	51663	04/22/23 04:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			51870	04/24/23 15:04	AJ	EET MID
Total/NA	Analysis	8015 NM		1			51851	04/24/23 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	51719	04/21/23 13:59	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	51662	04/22/23 03:50	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	51905	04/25/23 07:42	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52117	04/27/23 19:19	SMC	EET MID

Laboratory References:

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

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Accreditation/Certification Summary

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

Laboratory: Eurofins Midland

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

Authority		ogram	Identification Number	Expiration Date	
Texas	NELAP		T104704400-22-25	06-30-23	
The following analytes	are included in this report by	it the laboratory is not certific	ed by the governing authority. This list ma	v include analytes for y	
the agency does not of	. ,	at the laboratory is not contin	ou by the governing additionty. This list the	ay include analytes for t	
0 ,	. ,	Matrix	Analyte	ay include analytes for t	
the agency does not of	fer certification.	•	, , ,		

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Method Summary

Client: H & R Enterprises

Job ID: 890-4552-1

Project/Site: Wersel Fed #001

SDG: (Wersell 1A)

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

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Sample Summary

Client: H & R Enterprises Project/Site: Wersel Fed #001 Job ID: 890-4552-1

SDG: (Wersell 1A)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4552-1	TT-1 0-1'	Solid	04/20/23 00:00	04/20/23 12:51	0 - 1
890-4552-2	TT-1 2'R	Solid	04/20/23 00:00	04/20/23 12:51	2 - 2
890-4552-3	H-1 0-1'	Solid	04/20/23 00:00	04/20/23 12:51	0 - 1
890-4552-4	H-2 0-1'	Solid	04/20/23 00:00	04/20/23 12:51	0 - 1
890-4552-5	H-3 0-1'	Solid	04/20/23 00:00	04/20/23 12:51	0 - 1
890-4552-6	H-4 0-1'	Solid	04/20/23 00:00	04/20/23 12:51	0 - 1

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	Environment Testing Xenco	Testing	Midland, EL Paso Hobbs,	TX (432) 70 , TX (915) 5 , NM (575) 3	Midland, TX (432) 704-5440, Bottonio, TX (17) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	x, TX (210) 509-3334 x, (806) 794-1296 NM (575) 988-3199	Work Order No:	Page of	
Project Manager	W. Pariste		Bill to: (if different)		CIMPREX 6	ENERGY	Work Order Comments	m m	
Company Name:	HAR GNTER PRISES		Company Name:		3	11 Luke	Program: UST/PST PRP Br	Brownfields ☐ RRC ☐ Superfund ☐	
Address:			Address:				State of Project:	[
City, State ZIP:			City, State ZIP:				evel III Level III	ST	
Phone:	575-909-0326	Email:					Deliverables: EDD AD:	ADaPT U Other:	
Project Name	WERKII FCD #001	1 Tum	Turn Around			ANALYSIS REQUEST	WEST	Preservative Codes	1
Project Number:	(WERSELL IA)	Routine	Rush	Pres. Code				None: NO DI Water: H ₂ O	
Project Location:	EDDY COUNTY, NM	Due Date:						ol	
Sampler's Name:	M. COLLIER	TAT starts the	TAT starts the day received by the lab, if received by 4:30pm					HCL: HC HNO 3: HN	
SAMPI F RECEIPT	Temp Blank: / Yes No		, ses No	ters	-				
Samples Received Intact:	Yes) No	neter ID:	Caron C	eme:				NaHSO 4: NABIS	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	(0,0	Ба	53	890-4552 Chain of Custody	of Custody	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	5.2		101	-		Zn Acetate+NaOH: Zn	
Total Containers:		Corrected Temperature:	20		F			NaOH+Ascorbic Acid: SAPC	1
Sample Identification	ification Matrix Sampled	TIme d Sampled	Depth Grab/	# of Cont	BTE TP1 CHL			Sample Comments	
TT-1 0-1'	Solv 4.20-23	23	01' GRAB	_	×××				
1 2'2			2'8						T
H-1 0-1,			,1-0						
H.2									
H-3				-					
H-H	-		-						$\overline{}$
									1
Total 200.7 / 6010 Circle Method(s) ar	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	8RCRA 13PF TCLP/S	8RCRA 13PPM Texas 11 Al S TCLP / SPLP 6010 : 8RCRA	A Sb As	s Ba Be B Cd As Ba Be Cd C	AI Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K CRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	1g Mn Mo Ni K Se Ag SiO ₂ Na Sr Se Ag TI U Hg: 1631/245.1	r TI Sn U V Zn 1/7470 /7471	
Notice: Signature of this do of service. Eurofins Xenco v of Eurofins Xenco. A minim	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 Senco 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 surofins Aenco. A minimum charge of \$38.500 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.	tes a valid purchase ord Il not assume any responent lect and a charge of \$5	der from cilent company onsibility for any losses or for each sample submitt	to Eurofins X r expenses ir ted to Eurofi	(enco, its affiliates and s nourred by the client if s ns Xenco, but not analy	from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions sibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control sibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control reach sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously nego	rrms and conditions beyond the control less previously negotiated.		
Relinquished by: (Signature)	: (Signature)	Received by: (Signature)	(ə.	Di	Date/Time	Relinquished by: (Signature)	iture) Received by: (Signature)	re) Date/Time	
INASCL	a Che	3		4.3	302312	5)			
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Chain of Custody Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

eurofins |

Login Sample Receipt Checklist

Client: H & R Enterprises Job Number: 890-4552-1 SDG Number: (Wersell 1A)

List Source: Eurofins Carlsbad Login Number: 4552

List Number: 1 Creator: Clifton, Cloe

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

Job Number: 890-4552-1 Client: H & R Enterprises

SDG Number: (Wersell 1A)

Login Number: 4552 List Source: Eurofins Midland List Number: 2

List Creation: 04/21/23 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	N/A	

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/16/2023 4:18:40 PM

JOB DESCRIPTION

Wersell Fed #1 (wer)

JOB NUMBER

890-4657-1

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220

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

Generated 5/16/2023 4:18:40 PM

Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440

Eurofins Carlsbad is a laboratory within Eurofins Environment Testing South Central, LLC, a company within Eurofins Environment Testing Group of Companies

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Laboratory Job ID: 890-4657-1

Client: H & R Enterprises Project/Site: Wersell Fed #1 (wer)

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Definitions/Glossary

Client: H & R Enterprises Job ID: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

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Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 *+
 LCS and/or LCSD is outside acceptance limits, high biased.

 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

 S1+
 Surrogate recovery exceeds control limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

HPLC/IC
Qualifier

 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.

Eisted 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)

TNTC Too Numerous To Count

Eurofins Carlsbad

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Case Narrative

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

Job ID: 890-4657-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-4657-1

Receipt

The samples were received on 5/12/2023 11:00 AM. 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 5.0°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: S-1 (890-4657-1), S-2 (890-4657-2), SW-1 (890-4657-3), SW-2 (890-4657-4), SW-3 (890-4657-5) and SW-4 (890-4657-6).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53334 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53384 and analytical batch 880-53334 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-53381 and analytical batch 880-53337 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53337 recovered above the upper control limit for Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-53337/33) and (CCV 880-53337/44).

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-53381 and analytical batch 880-53337 was outside the control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-53335 recovered above the upper control limit for Toluene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: S-1 (890-4657-1), S-2 (890-4657-2), SW-1 (890-4657-3), (CCV 880-53335/20) and (880-28331-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (CCV 880-53335/2) and (CCV 880-53335/20). Evidence of matrix interferences is not obvious.

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: (CCV 880-53330/20), (CCV 880-53330/31) and (CCV 880-53330/5). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-53398 and analytical batch 880-53330 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-1 (890-4657-1) and SW-3 (890-4657-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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Case Narrative

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

Job ID: 890-4657-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (CCV 880-53330/47). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: CCV biased low for Diesel Range Organics (Over C10-C28) however an acceptable CCV was ran within the 12 hour window therefore the data has been qualified and reported.(CCV 880-53330/31)

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.

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Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-1

Matrix: Solid

Job ID: 890-4657-1

Client Sample ID: S-1 Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/15/23 10:03	05/15/23 23:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130				05/15/23 10:03	05/15/23 23:54	1
1,4-Difluorobenzene (Surr)	83		70 - 130				05/15/23 10:03	05/15/23 23:54	1
- Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/16/23 16:45	1
Method: SW846 8015 NM - Diese	ol Banga Organ	ice (DBO) (GC)						
Analyte	•	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH -	<49.9	U	49.9		mg/Kg			05/16/23 11:21	1
- -					mg/Kg			05/16/23 11:21	
Iotal IPH 	sel Range Orga			MDL	mg/Kg Unit	D	Prepared	05/16/23 11:21 Analyzed	
Thethod: SW846 8015B NM - Dies	sel Range Orga	nics (DRO) Qualifier	(GC)	MDL		D	Prepared 05/15/23 14:27		1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	sel Range Orga Result	nics (DRO) Qualifier	(GC)	MDL	Unit	<u>D</u>		Analyzed	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	MDL	Unit mg/Kg	<u>D</u>	05/15/23 14:27	Analyzed 05/15/23 21:07	Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/15/23 14:27 05/15/23 14:27	Analyzed 05/15/23 21:07	Dil Fac 1 1
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	sel Range Orga Result <49.9 <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9 49.9	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/15/23 14:27 05/15/23 14:27 05/15/23 14:27	Analyzed 05/15/23 21:07 05/15/23 21:07 05/15/23 21:07	Dil Fac 1 1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	sel Range Orga Result <49.9	nics (DRO) Qualifier U	(GC) RL 49.9 49.9 49.9 Limits	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared	Analyzed 05/15/23 21:07 05/15/23 21:07 05/15/23 21:07 Analyzed	1 Dil Fac 1 1 1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	sel Range Orga Result <49.9	DRO) Qualifier U U Qualifier S1+	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130	MDL	Unit mg/Kg mg/Kg	<u>D</u>	05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared 05/15/23 14:27	Analyzed 05/15/23 21:07 05/15/23 21:07 05/15/23 21:07 Analyzed 05/15/23 21:07	1 Dil Fac
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	sel Range Orga Result <49.9 <49.9 <49.9 **Recovery 110 131 Chromatograp	DRO) Qualifier U U Qualifier S1+	(GC) RL 49.9 49.9 49.9 Limits 70 - 130 70 - 130		Unit mg/Kg mg/Kg	<u>D</u>	05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared 05/15/23 14:27	Analyzed 05/15/23 21:07 05/15/23 21:07 05/15/23 21:07 Analyzed 05/15/23 21:07	1 Dil Fac 1 1 1 1 Dil Fac 1

Client Sample ID: S-2

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		05/15/23 10:03	05/16/23 00:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130				05/15/23 10:03	05/16/23 00:20	

Eurofins Carlsbad

Lab Sample ID: 890-4657-2

Matrix: Solid

Client: H & R Enterprises

Client Sample ID: S-2

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-2

Matrix: Solid

Job ID: 890-4657-1

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Sample Depth: 2'

Method: SW846 8021B -	Volatile Organi	c Compounds	(GC)	(Continued)
			\- /	(

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	80	70 - 130	05/15/23 10:03	05/16/23 00:20	1

Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401 U	0.00401	mg/Kg			05/16/23 16:45	1

П	Method: SW846 8015 NM - Diesel Rang	o Organico (F	$\mathbf{PO} \setminus \mathbf{C}$	(1)
	Melijua. 344040 od i 3 Mili - Djesej Kaliy	e Organics (L	טו וטאי	

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			05/16/23 11:21	1

Method: SW846 8015B NM - Diesel Range Organics	(DRO)	(GC)	١
motified. Offerto College Ithin Biodol Rungo Organico	(5.10)	, , , , ,	,

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/15/23 14:27	05/15/23 22:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/15/23 14:27	05/15/23 22:10	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/15/23 14:27	05/15/23 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108	70 - 130	05/15/23 14:27	05/15/23 22:10	1
o-Terphenyl	127	70 - 130	05/15/23 14:27	05/15/23 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.5		4.97		mg/Kg			05/16/23 05:34	1

Client Sample ID: SW-1 Lab Sample ID: 890-4657-3

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Sample Depth: 2'

l				
Method: SW	846 8021B	- Volatile Orga	anic Compound	s (GC)

Method. Syvoto 002 ID - Volat	ne Organic Comp		,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
o-Xylene	< 0.00199	U	0.00199		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/15/23 10:03	05/16/23 00:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130				05/15/23 10:03	05/16/23 00:46	1
1 4-Difluorobenzene (Surr)	80		70 130				05/15/23 10:03	05/16/23 00:46	1

Method: 1	ΓΔΙ SC	P Total R	TFY - T	otal RTFY	Calculation

Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	ma/Ka			05/16/23 16:45	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			05/16/23 11:21	1

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9

3

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46

13

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Matrix: Solid

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-3

Analyzed

05/16/23 05:39

Matrix: Solid

Job ID: 890-4657-1

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Client Sample ID: SW-1

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/15/23 14:27	05/15/23 22:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/15/23 14:27	05/15/23 22:31	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/15/23 14:27	05/15/23 22:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				05/15/23 14:27	05/15/23 22:31	1
o-Terphenyl	124		70 - 130				05/15/23 14:27	05/15/23 22:31	1

5.02 Client Sample ID: SW-2 Lab Sample ID: 890-4657-4

RL

MDL Unit

mg/Kg

D

Prepared

05/15/23 14:27

Result Qualifier

65.9

122

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Sample Depth: 2'

Analyte

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
Toluene	<0.00200	U *+	0.00200		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
Xylenes, Total	<0.00400	U *+	0.00400		mg/Kg		05/15/23 13:00	05/16/23 04:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				05/15/23 13:00	05/16/23 04:49	1
1,4-Difluorobenzene (Surr)	79		70 - 130				05/15/23 13:00	05/16/23 04:49	1
Total BTEX	<0.00400	U	0.00400		mg/Kg			05/16/23 15:46	1
- -					mg/Kg			05/16/23 15:46	1
: Method: SW846 8015 NM - Diese	el Range Organ			MDL	mg/Kg		Prepared		Dil Fac
- -	el Range Organ	ics (DRO) (GC)	MDL		D	Prepared	05/16/23 15:46 Analyzed 05/16/23 11:21	
Method: SW846 8015 NM - Diese Analyte Total TPH	Result <50.0	ics (DRO) (C	GC) RL 50.0	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (C	GC) RL 50.0		Unit	<u>D</u>	Prepared Prepared	Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Organ	ics (DRO) (Qualifier U nics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg		<u> </u>	Analyzed 05/16/23 11:21	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 05/15/23 14:27	Analyzed 05/16/23 11:21 Analyzed 05/15/23 22:53	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0		Unit mg/Kg		Prepared	Analyzed 05/16/23 11:21 Analyzed	Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	el Range Organ Result <50.0 sel Range Orga Result <50.0	ics (DRO) ((Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 05/15/23 14:27	Analyzed 05/16/23 11:21 Analyzed 05/15/23 22:53	Dil Fac Dil Fac
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0	ics (DRO) (COMPANIES (DRO)) Qualifier U Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27	Analyzed 05/16/23 11:21 Analyzed 05/15/23 22:53 05/15/23 22:53	Dil Fac Dil Fac 1

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05/15/23 22:53

70 - 130

Dil Fac

Matrix: Solid

o-Terphenyl

Client: H & R Enterprises

Client Sample ID: SW-2

Date Collected: 05/12/23 00:00

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-4

Job ID: 890-4657-1

Matrix: Solid

Date Received: 05/12/23 11:00 Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.0		4.98		mg/Kg			05/16/23 05:45	1

Lab Sample ID: 890-4657-5 **Client Sample ID: SW-3**

Date Collected: 05/12/23 00:00 Matrix: Solid

Date Received: 05/12/23 11:00

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U *+	0.00202		mg/Kg		05/15/23 13:18	05/16/23 02:59	
Toluene	<0.00202	U	0.00202		mg/Kg		05/15/23 13:18	05/16/23 02:59	
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/15/23 13:18	05/16/23 02:59	
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/15/23 13:18	05/16/23 02:59	
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/15/23 13:18	05/16/23 02:59	
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/15/23 13:18	05/16/23 02:59	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	94		70 - 130				05/15/23 13:18	05/16/23 02:59	
1,4-Difluorobenzene (Surr)	93		70 - 130				05/15/23 13:18	05/16/23 02:59	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
			,						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Total TPH	Result <50.0		•	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 05/16/23 11:21	
Total TPH	<50.0	U		MDL		<u>D</u>	Prepared		
Total TPH Method: SW846 8015B NM - Dies	<50.0 sel Range Orga Result	nics (DRO) Qualifier				D	Prepared Prepared		,
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<50.0	nics (DRO) Qualifier	RL 50.0		mg/Kg			05/16/23 11:21	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<50.0 sel Range Orga Result	nics (DRO) Qualifier	RL 50.0		mg/Kg		Prepared	05/16/23 11:21 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 sel Range Orga Result <50.0	nics (DRO) Qualifier U	RL 50.0		mg/Kg Unit mg/Kg		Prepared 05/15/23 14:27	05/16/23 11:21 Analyzed 05/15/23 23:14	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<50.0 sel Range Orga Result <50.0 <50.0	Dinics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27	05/16/23 11:21 Analyzed 05/15/23 23:14 05/15/23 23:14	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	<50.0 sel Range Orga Result <50.0 <50.0 <50.0	Dinics (DRO) Qualifier U U	RL 50.0 (GC) RL 50.0 50.0 50.0		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27	05/16/23 11:21 Analyzed 05/15/23 23:14 05/15/23 23:14	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 116	Dinics (DRO) Qualifier U U	RL		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared	05/16/23 11:21 Analyzed 05/15/23 23:14 05/15/23 23:14 05/15/23 23:14 Analyzed	Dil Fa
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 %Recovery 116 131	Oualifier U Qualifier U Qualifier S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130		mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared 05/15/23 14:27	05/16/23 11:21 Analyzed 05/15/23 23:14 05/15/23 23:14 Analyzed 05/15/23 23:14	Dil Fac
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0 *Recovery 116 131 Chromatograp	Oualifier U Qualifier U Qualifier S1+	RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130	MDL	mg/Kg Unit mg/Kg mg/Kg		Prepared 05/15/23 14:27 05/15/23 14:27 05/15/23 14:27 Prepared 05/15/23 14:27	05/16/23 11:21 Analyzed 05/15/23 23:14 05/15/23 23:14 Analyzed 05/15/23 23:14	Dil Fac

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-6

Matrix: Solid

Job ID: 890-4657-1

Client Sample ID: SW-4
Date Collected: 05/12/23 00:00
Date Received: 05/12/23 11:00

Sample Depth: 2'

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
Ethylbenzene	< 0.00199	U	0.00199		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/15/23 13:18	05/16/23 03:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/15/23 13:18	05/16/23 03:19	1
1,4-Difluorobenzene (Surr)	97		70 - 130				05/15/23 13:18	05/16/23 03:19	1
Method: TAL SOP Total BTEX - T	otal BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/16/23 16:12	1
- Method: SW846 8015 NM - Diese	I Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/16/23 11:21	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		05/15/23 14:27	05/15/23 23:35	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/15/23 14:27	05/15/23 23:35	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/15/23 14:27	05/15/23 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				05/15/23 14:27	05/15/23 23:35	1
o-Terphenyl	122		70 - 130				05/15/23 14:27	05/15/23 23:35	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.4		4.98		mg/Kg			05/16/23 05:55	1

Surrogate Summary

Client: H & R Enterprises Job ID: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

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)	
890-4657-1	S-1	136 S1+	83	
890-4657-2	S-2	135 S1+	80	
390-4657-3	SW-1	146 S1+	80	
390-4657-4	SW-2	89	79	
390-4657-5	SW-3	94	93	
390-4657-5 MS	SW-3	104	103	
390-4657-5 MSD	SW-3	108	99	
390-4657-6	SW-4	103	97	
CS 880-53212/1-A	Lab Control Sample	108	93	
CS 880-53381/1-A	Lab Control Sample	114	111	
_CS 880-53384/1-A	Lab Control Sample	98	110	
_CSD 880-53212/2-A	Lab Control Sample Dup	109	83	
_CSD 880-53381/2-A	Lab Control Sample Dup	112	110	
_CSD 880-53384/2-A	Lab Control Sample Dup	94	124	
MB 880-53212/5-A	Method Blank	81	79	
MB 880-53272/5-A	Method Blank	93	103	
MB 880-53337/39	Method Blank	68 S1-	89	
MB 880-53381/5-A	Method Blank	65 S1-	72	
MB 880-53384/5-A	Method Blank	93	103	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

		1CO1	ОТРН1	Percent Surrogate Recovery (Acceptance Limi
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-4657-1	S-1	110	131 S1+	
390-4657-1 MS	S-1	104	108	
390-4657-1 MSD	S-1	102	106	
390-4657-2	S-2	108	127	
390-4657-3	SW-1	106	124	
390-4657-4	SW-2	105	122	
390-4657-5	SW-3	116	131 S1+	
390-4657-6	SW-4	104	122	
_CS 880-53398/2-A	Lab Control Sample	106	119	
_CSD 880-53398/3-A	Lab Control Sample Dup	103	113	
MB 880-53398/1-A	Method Blank	154 S1+	186 S1+	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: H & R Enterprises

Job ID: 890-4657-1 Project/Site: Wersell Fed #1 (wer)

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-53212/5-A

Analysis Batch: 53335

Matrix: Solid

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

Prep Batch: 53212

MB MB

	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00200	U	0.00200		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
	Toluene	<0.00200	U	0.00200		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
	Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
	m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
	o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
	Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 10:03	05/15/23 12:32	1
۱										

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	81		70 - 130	05/12/23 10:03	05/15/23 12:32	1
1,4-Difluorobenzene (Surr)	79		70 - 130	05/12/23 10:03	05/15/23 12:32	1

Lab Sample ID: LCS 880-53212/1-A C

Matrix: Solid

Analysis Batch: 53335

Client	Sample	ID:	Lab	Control	Sample	

Prep Type: Total/NA

Prep Batch: 53212

ı		Бріке	LCS	LUS				%Rec	
	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
	Benzene	0.100	0.1128	-	mg/Kg		113	70 - 130	
	Toluene	0.100	0.1259		mg/Kg		126	70 - 130	
	Ethylbenzene	0.100	0.1136		mg/Kg		114	70 - 130	
	m-Xylene & p-Xylene	0.200	0.2573		mg/Kg		129	70 - 130	
	o-Xylene	0.100	0.1128		mg/Kg		113	70 - 130	
ı									

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-53212/2-A

Matrix: Solid

Analysis Batch: 53335

Prep Type: Total/NA

Prep Batch: 53212

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1103		mg/Kg		110	70 - 130	2	35	
Toluene	0.100	0.1239		mg/Kg		124	70 - 130	2	35	
Ethylbenzene	0.100	0.1118		mg/Kg		112	70 - 130	2	35	
m-Xylene & p-Xylene	0.200	0.2518		mg/Kg		126	70 - 130	2	35	
o-Xylene	0.100	0.1115		mg/Kg		111	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1 4-Difluorobenzene (Surr)	8.3		70 - 130

Lab Sample ID: MB 880-53272/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53272

MB MB Analyte Result Qualifier Dil Fac RL MDL Unit Prepared Analyzed <0.00200 U 0.00200 05/12/23 14:20 05/15/23 14:53 Benzene mg/Kg Toluene <0.00200 U 0.00200 mg/Kg 05/12/23 14:20 05/15/23 14:53

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Released to Imaging: 8/4/2023 9:36:42 AM

Client: H & R Enterprises Job ID: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

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

Lab Sample ID: MB 880-53272/5-A **Matrix: Solid**

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53272

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/12/23 14:20	05/15/23 14:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/12/23 14:20	05/15/23 14:53	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier Lin	mits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93	70) ₋ 130	05/12/23 14:20	05/15/23 14:53	1
1,4-Difluorobenzene (Surr)	103	70) ₋ 130	05/12/23 14:20	05/15/23 14:53	1

Lab Sample ID: MB 880-53337/39

Matrix: Solid

Analysis Batch: 53337

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

мв мв Analyte Result Qualifier MDL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 05/15/23 22:40 mg/Kg Toluene <0.00200 U 0.00200 05/15/23 22:40 mg/Kg Ethylbenzene <0.00200 U 0.00200 05/15/23 22:40 mg/Kg m-Xylene & p-Xylene <0.00400 U 0.00400 05/15/23 22:40 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 05/15/23 22:40 <0.00400 U 0.00400 05/15/23 22:40 Xylenes, Total mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130		05/15/23 22:40	1
1,4-Difluorobenzene (Surr)	89		70 - 130		05/15/23 22:40	1

Lab Sample ID: MB 880-53381/5-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 53381

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:00	05/16/23 02:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:00	05/16/23 02:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:00	05/16/23 02:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/23 13:00	05/16/23 02:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:00	05/16/23 02:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/23 13:00	05/16/23 02:25	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	05/15/23 13:00	05/16/23 02:25	1
1,4-Difluorobenzene (Surr)	72		70 - 130	05/15/23 13:00	05/16/23 02:25	1

Lab Sample ID: LCS 880-53381/1-A

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53381

	Spil	te LCS	LCS				%Rec	
Analyte	Adde	d Result	Qualifier	Unit	D %F	Rec	Limits	
Benzene	0.10	0.1416	*+	mg/Kg		142	70 - 130	
Toluene	0.10	0.1407	*+	mg/Kg	1	141	70 - 130	

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

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

Lab Sample ID: LCS 880-53381/1-A

Lab Sample ID: LCSD 880-53381/2-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 53337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53381

Бріке	LCS	LUS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.1483	*+	mg/Kg		148	70 - 130	
0.200	0.3013	*+	mg/Kg		151	70 - 130	
0.100	0.1493	*+	mg/Kg		149	70 - 130	
	Added 0.100 0.200	Added Result 0.100 0.1483 0.200 0.3013	Added Result Qualifier 0.100 0.1483 *+ 0.200 0.3013 *+	Added Result Qualifier Unit 0.100 0.1483 *+ mg/Kg 0.200 0.3013 *+ mg/Kg	Added Result Qualifier Unit D 0.100 0.1483 *+ mg/Kg 0.200 0.3013 *+ mg/Kg	Added Result Qualifier Unit D %Rec 0.100 0.1483 *+ mg/Kg 148 0.200 0.3013 *+ mg/Kg 151	Added Result Qualifier Unit mg/Kg D %Rec Limits 0.100 0.1483 *+ mg/Kg 148 70 - 130 0.200 0.3013 *+ mg/Kg 151 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53381

Analysis Batch: 53337 Spike LCSD LCSD Added Result Qualifier %Rec Limits RPD Limit Analyte Unit 0.100 0.1283 Benzene mg/Kg 128 70 - 130 10 35 Toluene 0.100 0.1205 120 70 - 130 mg/Kg 15 35 Ethylbenzene 0.100 0.1268 mg/Kg 127 70 - 130 16 35 m-Xylene & p-Xylene 0.200 0.2603 130 70 - 130 15 35 mg/Kg 0.100 o-Xylene 0.1296 70 - 130 mg/Kg 130 14

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: MB 880-53384/5-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53384

		MB	MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/15/23 13:18	05/16/23 02:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/15/23 13:18	05/16/23 02:30	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	05/15/23 13:18	05/16/23 02:30	1
1,4-Difluorobenzene (Surr)	103		70 - 130	05/15/23 13:18	05/16/23 02:30	1

Lab Sample ID: LCS 880-53384/1-A

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53384

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1414	*+	mg/Kg		141	70 - 130	
Toluene	0.100	0.1258		mg/Kg		126	70 - 130	
Ethylbenzene	0.100	0.1281		mg/Kg		128	70 - 130	
m-Xylene & p-Xylene	0.200	0.1982		mg/Kg		99	70 - 130	

Client: H & R Enterprises Job ID: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

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

Lab Sample ID: LCS 880-53384/1-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA Prep Batch: 53384 Analysis Batch: 53334 LCS LCS Spike %Rec

	Limits	%Rec	D	Unit	Qualifier	Result	Added		Analyte
o-Xylene 0.100 0.09338 mg/Kg 93 70 - 130	70 - 130	93		mg/Kg		0.09338	0.100		o-Xylene

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-53384/2-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid Analysis Batch: 53334

Prep Batch: 53384 Spike LCSD LCSD Added Result Qualifier Analyte Unit %Rec Limits RPD Limit 35

Benzene	0.100	0.1266	mg/Kg	127	70 - 130	11	35
Toluene	0.100	0.1149	mg/Kg	115	70 - 130	9	35
Ethylbenzene	0.100	0.1209	mg/Kg	121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1872	mg/Kg	94	70 - 130	6	35
o-Xylene	0.100	0.08749	mg/Kg	87	70 - 130	7	35
1000 1000							

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	124		70 - 130

Lab Sample ID: 890-4657-5 MS Client Sample ID: SW-3 **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 53334 Prep Batch: 53384

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U *+	0.0994	0.09999		mg/Kg		101	70 - 130	
Toluene	<0.00202	U	0.0994	0.09463		mg/Kg		95	70 - 130	
Ethylbenzene	<0.00202	U	0.0994	0.1001		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1600		mg/Kg		80	70 - 130	
o-Xylene	<0.00202	U	0.0994	0.07411		mg/Kg		75	70 - 130	

	MS	MS				
Surrogate	%Recovery	Qualifier	Limits			
4-Bromofluorobenzene (Surr)	104		70 - 130			
1,4-Difluorobenzene (Surr)	103		70 - 130			

Lab Sample ID: 890-4657-5 MSD Client Sample ID: SW-3 Prep Type: Total/NA

Matrix: Solid Analysis Batch: 53334

Analysis Batom 50004									1.00	Dutoii.	3000 -	
		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Benzene	<0.00202	U *+	0.0996	0.09692		mg/Kg		97	70 - 130	3	35
	Toluene	<0.00202	U	0.0996	0.1067		mg/Kg		107	70 - 130	12	35
	Ethylbenzene	<0.00202	U	0.0996	0.1176		mg/Kg		118	70 - 130	16	35
	m-Xylene & p-Xylene	<0.00403	U	0.199	0.1777		mg/Kg		89	70 - 130	11	35
	o-Xylene	<0.00202	U	0.0996	0.08229		mg/Kg		83	70 - 130	10	35

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Prep Batch: 53384

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

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

Lab Sample ID: 890-4657-5 MSD

Matrix: Solid

Analysis Batch: 53334

Client Sample ID: SW-3

Prep Type: Total/NA

Prep Batch: 53384

MSD MSD

Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 108 70 - 130 1,4-Difluorobenzene (Surr) 99 70 - 130

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

Lab Sample ID: MB 880-53398/1-A

Matrix: Solid

Analysis Batch: 53330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 53398

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 05/15/23 14:27 05/15/23 20:04 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 05/15/23 14:27 05/15/23 20:04 C10-C28) 50.0 05/15/23 14:27 05/15/23 20:04 Oll Range Organics (Over C28-C36) <50.0 U mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	05/15/23 14:27	05/15/23 20:04	1
o-Terphenyl	186	S1+	70 - 130	05/15/23 14:27	05/15/23 20:04	1

Lab Sample ID: LCS 880-53398/2-A

Matrix: Solid

Analysis Batch: 53330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 53398

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	909.0		mg/Kg		91	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	935.5		mg/Kg		94	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	106	70 - 130
o-Terphenyl	119	70 - 130

Lab Sample ID: LCSD 880-53398/3-A

Matrix: Solid

Analysis Batch: 53330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 53398

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	930.3	,	mg/Kg		93	70 - 130	2	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	952.7		mg/Kg		95	70 - 130	2	20
040,000)									

C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifi	ier Limits
1-Chlorooctane	103	70 - 130
o-Terphenyl	113	70 - 130

Client: H & R Enterprises Job ID: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

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

Lab Sample ID: 890-4657-1 MS Client Sample ID: S-1 **Matrix: Solid**

Analysis Batch: 53330

Prep Type: Total/NA Prep Batch: 53398

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	996	954.3		mg/Kg		93	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.9	U	996	977.5		mg/Kg		96	70 - 130	
C10-C28)										

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	108		70 - 130

Lab Sample ID: 890-4657-1 MSD Client Sample ID: S-1

Matrix: Solid

Analysis Batch: 53330

Prep Type: Total/NA

Prep Batch: 53398

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	959.5		mg/Kg		94	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	962.0		mg/Kg		94	70 - 130	2	20

MSD MSD %Recovery Qualifier Surrogate Limits

1-Chlorooctane 102 70 - 130 o-Terphenyl 106 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-53358/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53409

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/16/23 03:26	1

Lab Sample ID: LCS 880-53358/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53409

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	256.5		mg/Kg		103	90 - 110	

Lab Sample ID: LCSD 880-53358/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 53409

Released to Imaging: 8/4/2023 9:36:42 AM

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	257.0		mg/Kg	_	103	90 - 110	0	20

QC Association Summary

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

GC VOA

Prep	Batch:	53212
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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	5035	
890-4657-2	S-2	Total/NA	Solid	5035	
890-4657-3	SW-1	Total/NA	Solid	5035	
MB 880-53212/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53212/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53212/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 53272

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-53272/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 53334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-5	SW-3	Total/NA	Solid	8021B	53384
890-4657-6	SW-4	Total/NA	Solid	8021B	53384
MB 880-53272/5-A	Method Blank	Total/NA	Solid	8021B	53272
MB 880-53384/5-A	Method Blank	Total/NA	Solid	8021B	53384
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	8021B	53384
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53384
890-4657-5 MS	SW-3	Total/NA	Solid	8021B	53384
890-4657-5 MSD	SW-3	Total/NA	Solid	8021B	53384

Analysis Batch: 53335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	8021B	53212
890-4657-2	S-2	Total/NA	Solid	8021B	53212
890-4657-3	SW-1	Total/NA	Solid	8021B	53212
MB 880-53212/5-A	Method Blank	Total/NA	Solid	8021B	53212
LCS 880-53212/1-A	Lab Control Sample	Total/NA	Solid	8021B	53212
LCSD 880-53212/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53212

Analysis Batch: 53337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-4	SW-2	Total/NA	Solid	8021B	53381
MB 880-53337/39	Method Blank	Total/NA	Solid	8021B	
MB 880-53381/5-A	Method Blank	Total/NA	Solid	8021B	53381
LCS 880-53381/1-A	Lab Control Sample	Total/NA	Solid	8021B	53381
LCSD 880-53381/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	53381

Prep Batch: 53381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-4	SW-2	Total/NA	Solid	5035	
MB 880-53381/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-53381/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53381/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 53384

Lab Sample ID 890-4657-5	Client Sample ID SW-3	Prep Type Total/NA	Matrix Solid	- Method 5035	Prep Batch
890-4657-6	SW-4	Total/NA	Solid	5035	
MB 880-53384/5-A	Method Blank	Total/NA	Solid	5035	

QC Association Summary

Client: H & R Enterprises Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

GC VOA (Continued)

Prep Batch: 53384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-53384/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-53384/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-4657-5 MS	SW-3	Total/NA	Solid	5035	
890-4657-5 MSD	SW-3	Total/NA	Solid	5035	

Analysis Batch: 53502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	Total BTEX	
890-4657-2	S-2	Total/NA	Solid	Total BTEX	
890-4657-3	SW-1	Total/NA	Solid	Total BTEX	
890-4657-4	SW-2	Total/NA	Solid	Total BTEX	
890-4657-5	SW-3	Total/NA	Solid	Total BTEX	
890-4657-6	SW-4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 53330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	8015B NM	53398
890-4657-2	S-2	Total/NA	Solid	8015B NM	53398
890-4657-3	SW-1	Total/NA	Solid	8015B NM	53398
890-4657-4	SW-2	Total/NA	Solid	8015B NM	53398
890-4657-5	SW-3	Total/NA	Solid	8015B NM	53398
890-4657-6	SW-4	Total/NA	Solid	8015B NM	53398
MB 880-53398/1-A	Method Blank	Total/NA	Solid	8015B NM	53398
LCS 880-53398/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	53398
LCSD 880-53398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	53398
890-4657-1 MS	S-1	Total/NA	Solid	8015B NM	53398
890-4657-1 MSD	S-1	Total/NA	Solid	8015B NM	53398

Prep Batch: 53398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	8015NM Prep	
890-4657-2	S-2	Total/NA	Solid	8015NM Prep	
890-4657-3	SW-1	Total/NA	Solid	8015NM Prep	
890-4657-4	SW-2	Total/NA	Solid	8015NM Prep	
890-4657-5	SW-3	Total/NA	Solid	8015NM Prep	
890-4657-6	SW-4	Total/NA	Solid	8015NM Prep	
MB 880-53398/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-53398/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-53398/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4657-1 MS	S-1	Total/NA	Solid	8015NM Prep	
890-4657-1 MSD	S-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 53464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Total/NA	Solid	8015 NM	
890-4657-2	S-2	Total/NA	Solid	8015 NM	
890-4657-3	SW-1	Total/NA	Solid	8015 NM	
890-4657-4	SW-2	Total/NA	Solid	8015 NM	
890-4657-5	SW-3	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

GC Semi VOA (Continued)

Analysis Batch: 53464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-6	SW-4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 53358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Soluble	Solid	DI Leach	
890-4657-2	S-2	Soluble	Solid	DI Leach	
890-4657-3	SW-1	Soluble	Solid	DI Leach	
890-4657-4	SW-2	Soluble	Solid	DI Leach	
890-4657-5	SW-3	Soluble	Solid	DI Leach	
890-4657-6	SW-4	Soluble	Solid	DI Leach	
MB 880-53358/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-53358/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-53358/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 53409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-4657-1	S-1	Soluble	Solid	300.0	53358
890-4657-2	S-2	Soluble	Solid	300.0	53358
890-4657-3	SW-1	Soluble	Solid	300.0	53358
890-4657-4	SW-2	Soluble	Solid	300.0	53358
890-4657-5	SW-3	Soluble	Solid	300.0	53358
890-4657-6	SW-4	Soluble	Solid	300.0	53358
MB 880-53358/1-A	Method Blank	Soluble	Solid	300.0	53358
LCS 880-53358/2-A	Lab Control Sample	Soluble	Solid	300.0	53358
LCSD 880-53358/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	53358

Eurofins Carlsbad

Released to Imaging: 8/4/2023 9:36:42 AM

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Client Sample ID: S-1

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Lab Sample ID: 890-4657-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	53212	05/15/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/15/23 23:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 21:07	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:18	SMC	EET MID

Client Sample ID: S-2 Lab Sample ID: 890-4657-2

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	53212	05/15/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/16/23 00:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 22:10	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:34	SMC	EET MID

Client Sample ID: SW-1 Lab Sample ID: 890-4657-3 Date Collected: 05/12/23 00:00

Date Received: 05/12/23 11:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53212	05/15/23 10:03	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53335	05/16/23 00:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 16:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 22:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:39	SMC	EET MID

Client Sample ID: SW-2 Lab Sample ID: 890-4657-4

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	53381	05/15/23 13:00	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53337	05/16/23 04:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 15:46	SM	EET MID

Eurofins Carlsbad

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Matrix: Solid

Matrix: Solid

Lab Chronicle

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Lab Sample ID: 890-4657-4

Matrix: Solid

Job ID: 890-4657-1

Date Collected: 05/12/23 00:00 Date Received: 05/12/23 11:00

Client Sample ID: SW-2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 22:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:45	SMC	EET MID

Client Sample ID: SW-3 Lab Sample ID: 890-4657-5

Date Collected: 05/12/23 00:00 **Matrix: Solid** Date Received: 05/12/23 11:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	53384	05/15/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/16/23 02:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 23:14	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:50	SMC	EET MID

Client Sample ID: SW-4 Lab Sample ID: 890-4657-6

Date Collected: 05/12/23 00:00 **Matrix: Solid** Date Received: 05/12/23 11:00

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	53384	05/15/23 13:18	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	53334	05/16/23 03:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			53502	05/16/23 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			53464	05/16/23 11:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	53398	05/15/23 14:27	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	53330	05/15/23 23:35	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	53358	05/15/23 11:39	KS	EET MID
Soluble	Analysis	300.0		1			53409	05/16/23 05:55	SMC	EET MID

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: 890-4657-1

Project/Site: Wersell Fed #1 (wer)

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NI	ELAP	T104704400-22-25	06-30-23
The following analytes the agency does not of	• •	ut the laboratory is not certifi	ed by the governing authority. This list ma	ay include analytes for whic
Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	

Method Summary

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

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

Eurofins Carlsbad

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Sample Summary

Client: H & R Enterprises

Project/Site: Wersell Fed #1 (wer)

Job ID: 890-4657-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-4657-1	S-1	Solid	05/12/23 00:00	05/12/23 11:00	2'
890-4657-2	S-2	Solid	05/12/23 00:00	05/12/23 11:00	2'
890-4657-3	SW-1	Solid	05/12/23 00:00	05/12/23 11:00	2'
890-4657-4	SW-2	Solid	05/12/23 00:00	05/12/23 11:00	2'
890-4657-5	SW-3	Solid	05/12/23 00:00	05/12/23 11:00	2'
890-4657-6	SW-4	Solid	05/12/23 00:00	05/12/23 11:00	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

	Ball &	Relinquished by: (Signature)	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 nego	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed		2N-4	SW-3	SW-2	50-1	5-2	5-1 500	Sample Identification Matrix	Total Containers:	Sample Custody Seals: Yes No N/A	Cooler Custody Seals: Yes No N/A	Samples Received Intact: (Yes) No	SAMPLE RECEIPT Temp Blank:		Sampler's Name: R. Bell	Project Location:	er:	Project Name: Wersell 1-81	Phone:	City, State ZIP:		Company Name: H+R Fn+	Project Manager: M COllien	Velico
	mainella X	Received by: (Signature)	amples constitutes a valid purchase order from samples and shall not assume any responsibuled to each project and a charge of \$5 for e	8RCRA 13PPM analyzed TCLP/SPLP						,	(1) 5/12/23	Date Time Sampled Sampled	Corrected Temperature:	Temperature Reading:	Correction Factor:	Thermometer ID:	(Yes No Wetice:	the lab, if received by 4:30pm	<u>ه</u> ا	Due Date:	Routine	# / We Turn Around	Email:	Cit	Ad	cost, My	Bil	
6	tuf 5/12/23/10	Date/Time	om client company to Eurofins Xenco, its affiliates and si Illity for any losses or expenses incurred by the client if si, ach sample submitted to Eurofins Xenco, but not analyz	A 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo NTCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U							V C X X X	Depth Grab/ # of CA	V.C	NA XX	Pa		Yes		received by	3-Day	Rush Pres.	und		City, State ZIP:	Address:	Company Name: AHN: Lac	Bill to: (if different)	EL P850, IA (913) 282-3443, Lubbock, IA (800) / 94-1490 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
		Relinquished by: (Signature)	ubcontractors. It assigns standard terms and conditions uch bosses are due to circumstances beyond the control ted. These terms will be enforced unless previously negotiated.	Ca Cr Co Cu Fe Pb Mg Mn Mo r Co Cu Pb Mn Mo Ni Se Ag Tl										Son ASS7 Chain of Custody				-				ANALYSIS REQUEST	Deliverables:	Reporti	State of	Could Program:	- Energy	IM (575) 988-3199
P.		Received by: (Signature)	ons rol egoliated.	Mn Mo Ni K Se Ag SiO ₂ Na Sr Tl Sn U V Z 9 Ag Tl U Hg:1631/245.1/7470/7471								Sar	NaCH+A	Zn Aceta	Na ₂ S ₂ O ₃ ; NaSO ₃	NaHSO 4: NABIS	H ₃ PO ₄ : HP	H ₂ SO ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Pre	ables: EDD ADaPT	Reporting: Level II Level III PST/UST	State of Project:	n: UST/PST PRP Brownfields	Work Order Comments	www.xenco.com Page
Revised Date 08/25/2020 Rev. 2020 2		Date/Time		7471								Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zn	;: NaSO 3	NABIS	₽ ·	NaOH: Na	HNO 3: HN	of MeOH: Me	O DI Water: H ₂ O	Preservative Codes	Other:	TRRP Level IV		RRC Superfund □		of

Login Sample Receipt Checklist

Client: H & R Enterprises Job Number: 890-4657-1

Login Number: 4657 List Source: Eurofins Carlsbad

List Number: 1

Creator: Stutzman, Amanda

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	N/A	

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Login Sample Receipt Checklist

Client: H & R Enterprises Job Number: 890-4657-1

Login Number: 4657 **List Source: Eurofins Midland** List Number: 2 List Creation: 05/15/23 08:35 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	N/A	

<6mm (1/4").

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

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 230364

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N Midland, TX 79706	Action Number: 230364
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Create: By	d Condition	Condition Date
bhall	None	8/4/2023