

December 17, 2024

Mr. Jim Raley Environmental Professional Devon Energy Production Company 5315 Buena Vista Dr. Carlsbad, NM 88220

Subject: Remediation Closure Report

Devon Energy Production Company Fighting Okra 18 19 Federal 31H Release

Unit E, Section 18, T26S, R34E Lea County, New Mexico Date of Release: 3/2/2018 Incident: NOY1807543780 CEC Project 331-070

Dear Mr. Raley:

Civil & Environmental Consultants, Inc. (CEC) is submitting this Remediation Closure Report in connection with the March 2, 2018 release at the Fighting Okra 18 19 Federal 31H well (Site). CEC was contracted by Devon to assess and characterize a release of water-based drilling mud at the subject Site. This Remediation Closure Report is being submitted to document site characterization and remedial actions that were completed in accordance with 19.15.29.12 of the New Mexico Administrative Code (NMAC) and to support Devon's request for Remediation Closure Request Approval (C-141-v-Remediation).

1.0 BACKGROUND

According to the Release Notification filed with the State of New Mexico Form C-141, a release of water-based drilling mud occurred on or around March 2, 2018 at the Fighting Okra 18 19 Federal 31H well pad located in Public Land Survey System (PLSS) Unit Letter E, Section 18, Township 26 South, Range 34 East, in Lea County New Mexico. The location of the well pad is shown on Figure 1.

The layout of the Site including the approximate location where the release occurred is shown on Figure 2. The approximate release point was at coordinates 32.044366, -103.516471. According to the initial Form C-141 Release Notification, while circulating a bottoms up after tripping in the hole, flow was diverted to the gas separator. Once the bottoms up reached the surface, the flow increase caused the section of the flowline nearest the blow-out preventer (BOP) to slip out of the hammer union seal. Circulation was stopped and the crew re-connected the section of the flow line with the addition of a chain and binder.

Approximately 9 barrels (bbls) of water-based mud was released to the well pad surface. Clean up of the release commenced immediately through the use of squeegees and a diaphragm pump. Approximately 6.5 bbls of water-based mud was recovered. All fluid stayed on the well pad. The spill was reported on March 16, 2018 and assigned an incident number NOY1807543780.

The initial Form C-141 Release Notification that includes a description of initial response actions that were taken by Devon, and also OCD's directive in response to the notification, are included in Appendix A.

Devon Energy Production Company CEC Project 331-070 Page 2 December 17, 2024

2.0 DESKTOP REVIEW

A desktop review was performed by CEC to (a) determine the wellhead protection area and distance to the nearest water source as required under 19.15.29.11 NMAC, (b) determine the distance to the nearest water course as required under 19.15.29.11 NMAC (c) preliminarily identify distances to sensitive receptors listed under 19.15.29.12 Section C of NMAC, and (d) determine (if possible based on published information) depth to groundwater in the area.

A map identifying "Sensitive Receptors" in the area is provided as Figure B-1 in Appendix B. The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance. Similarly, the Site is not located within a 100-year floodplain, nor does it overlie a subsurface mine. Further, the Site is not located within the prescribed distances of the various sensitive receptors listed under Subsection C of 19.15.29.12 NMAC. The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineer (NMOSE) water rights reporting system, a temporary well (Temporary Well C-4626) was installed approximately 0.40 miles northeast of the Site in June 2022. The location of Temporary Well C-4628 is shown on Figure B-1. Temporary Well C-4626 was drilled to a depth of approximately 55 feet below ground surface (bgs). The well was determined to be dry after 24 hours. Depth to groundwater in the vicinity of the Site is therefore determined to be greater than 51 feet bgs. The well log is included in Appendix C.

3.0 REGULATORY LIMITS

Remediation Closure Criteria for soil impacted by water-based drilling mud are established in Table 1, Subsection E of 19.15.29.12 NMAC. Based on the information obtained for the desktop survey and the groundwater depth of >50 feet, the Remediation Closure Criteria for this location are as follows:

Constituent	Remediation Closure Criteria
Chloride	10,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
Total BTEX	50 mg/kg
Benzene	10 mg/kg

Prior to mobilization, CEC confirmed with the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD) Oil Conservation Division that no additional constituents of concern were required to be analyzed. CEC also notified OCD via email of their intent to collect site characterization and confirmation soil samples prior to performing field work in accordance with Section D of 19.15.29.12 NMAC. Records documenting the required OCD notifications are included in Appendix D.

Devon Energy Production Company CEC Project 331-070 Page 3 December 17, 2024

4.0 FIELD SITE ASSESSMENT ACTIVITIES

4.1 PHASE 1 SITE CHARACTERIZATION

CEC conducted initial site assessment activities on May 1, 2023, during which nine (9) hand-auger borings (FO 31H-1 through FO 31H-9) were installed. The locations of the hand-auger borings are shown on Figure 2. In general, refusal occurred at a depth of 1.5 to 2 feet below ground surface (bgs) on caliche. While advancing hand-auger borings, samples were collected at one-foot intervals for field screening. Each sample was screened for soil electrical conductivity (EC) using a FieldScout Soil Conductivity Probe with automatic temperature compensation, Total Petroleum Hydrocarbons (TPH) using a Dexsil PetroFLAG hydrocarbon analyzer, Volatile Organic Compounds (VOC) using a RAE Photo-Ionization Detector (PID), and field chloride using Quantab® titration strips. CEC's standard operation procedures for conducting field screening are included in Appendix E. The results of the field screening are summarized on Table 1.

A total of seventeen (17) samples were collected from the hand-auger borings and submitted for laboratory analysis to Eurofins Environment Testing South Central laboratory (Eurofins) in Midland, Texas. Two background soil samples (FO31H-BG1 and FO31H-BG2) were also submitted for laboratory analysis. The background sampling locations are shown on Figure 2. The soil samples were analyzed for BTEX (by Method 8021B), TPH (by Method 8015B), and chloride (by EPA Method 300.0). Analytical results for the samples that were collected during the Phase 1 site characterization are summarized on Table 2. The corresponding laboratory analytical reports are included in Appendix F.

Referring to Table 2, none of the samples were found to contain constituents of concern at concentrations in excess of the Remediation Closure Criteria.

Following review of the results of the initial site characterization sampling, it was determined that additional delineation was warranted to meet the delineation requirements of 19.15.29.13 NMAC.

4.2 PHASE 2 SITE CHARACTERIZATION

Phase 2 of the site characterization was conducted on June 5, 2023. During Phase 2, eleven (11) exploratory test pits (FO 31H-10 through FO 31H-20) were installed to further delineate the extent of soil contamination. The locations of the test pits are shown on Figure 2.

Excavator refusal was encountered at approximately two feet bgs at all test pits due to hard caliche with the exception of locations FO 3H-14 (3.5 feet), FO 31H-15 (3 feet), and FO 31H-17 (4 feet) where the caliche was deeper. Field screening was conducted following the procedures outlined in Section 4.1, and the results are summarized on Table 1.

Based on the field screening results, fourteen (14) soil samples were submitted to Eurofins for laboratory analysis. Analytical results for the soil samples that were collected during the Phase 2 site characterization are summarized on Table 2. Analytical reports are included in Appendix F.

As shown on Table 2, none of the fourteen (14) samples were found to contain constituents of interest at concentrations in excess of the Remediation Closure Criteria.

Devon Energy Production Company CEC Project 331-070 Page 4 December 17, 2024

Following review of the results of the Phase 2 site characterization sampling, it was determined that additional delineation was warranted to meet delineation requirements of 19.15.29.13 NMAC.

4.3 PHASE 3 SITE CHARACTERIZATION

Phase 3 of the site characterization was conducted on September 18, 2023. During Phase 3, three (3) exploratory test pits (FO 31H-21, FO-31H-22, and FO 31H-23) were installed to further delineate the extent of soil contamination. The locations of the test pits are shown on Figure 2.

Excavator refusal was encountered at approximately three feet bgs at all test pits on hard caliche, with the exception of locations FO 3H-22 where refusal was encountered at a depth of one foot due to shallower caliche. Field screening was conducted following the procedures outlined in Section 4.1, and the results are summarized on Table 1.

Based on the field screening results, four soil samples were submitted to Eurofins for laboratory analysis. Analytical results for the soil samples that were collected during the Phase 3 site characterization are summarized on Table 2. Analytical reports are included in Appendix F.

As shown on Table 2, none of the samples were found to contain constituents of interest at concentrations in excess of the Remediation Closure Criteria.

Following review of the results of the Phase 3 site characterization sampling, it was determined that additional delineation was warranted to meet delineation requirements of 19.15.29.13 NMAC.

4.4 PHASE 4 SITE CHARACTERIZATION

Phase 4 of the site characterization was conducted on October 30, 2023. During Phase 4, one exploratory test pit (FO 31H-24) was installed to delineate the area south of FO 31H-21. The location of the test pit is shown on Figure 2.

Excavator refusal was encountered approximately four feet bgs on caliche. Field screening was conducted following the procedures outlined in Section 4.1, and the results are summarized on Table 1.

Based on the field screening results, two soil samples were submitted to Eurofins for laboratory analysis. Analytical results for the soil samples that were collected during the Phase 4 site characterization are summarized on Table 2. Analytical reports are included in Appendix F.

As shown on Table 2, neither of the samples that were collected from the upper four feet of the soil column were found to contain constituents of concern at concentrations that exceeded the Remediation Closure Criteria.

Following review of the results of the Phase 4 site characterization sampling, it was determined that additional delineation was warranted to meet delineation requirements of 19.15.29.13 NMAC.

4.5 PHASE 5 SITE CHARACTERIZATION

Phase 5 of the site characterization was conducted on June 27, 2024. During Phase 5, four (4) exploratory test pits (F031H-3A, F031H-11A, F031H-12A, and F031H-14A) were installed to further delineate the

Devon Energy Production Company CEC Project 331-070 Page 5 December 17, 2024

vertical extent of soil contamination at locations which encountered refusal above four feet bgs during Phase 1 and Phase 2. The locations of the test pits are shown on Figure 2. Due to the presence of underground utilities, test pits could not be advanced by mechanical equipment at FO31H-1, FO31H-4, and FO31H-9; FO31H-3 is considered to be representative of this area.

After installing the test pits, samples were collected at approximately four feet bgs at all test pits for field screening. Field screening was conducted following the procedures outlined in Section 4.1, and the results are summarized on Table 1.

Four (4) soil samples were submitted to Eurofins for laboratory analysis. Analytical results for the soil samples that were collected during the Phase 5 site characterization are summarized on Table 2. Analytical reports are included in Appendix F.

As shown on Table 2, none of the samples were found to contain constituents of interest at concentrations in excess of the Remediation Closure Criteria. Further, the twenty-four (24) test pits installed during the Phase 1 through Phase 5 site characterization allowed for successful horizontal and vertical delineation of contamination as required under 19.15.29.12 and 19.15.29.13 NMAC.

4.6 SURFICIAL SOIL CONFIRMATION SAMPLE COLLECTION

In accordance with the revised guidance for closing out incidents issued by the OCD in December 2023, CEC collected a total of fifty (50) representative five-point composite surficial confirmation soil samples on June 27, 2024. The samples were collected on a 400 square foot grid in accordance with the variance granted by OCD (Appendix D). A grid showing the area represented by each confirmation sample is shown on Figure 3. Surficial soil confirmation samples were submitted to Eurofins in Midland, Texas. Consistent with site characterization investigations, the soil samples were analyzed for BTEX (by Method 8021B), TPH (by Method 8015B), and chloride (by EPA Method 300.0).

The results for the confirmation soil sampling are summarized on Table 3. Analytical reports are included in Appendix F. As shown on Table 3, seventeen (17) of the fifty (50) samples were found to contain constituents of concern at concentrations in excess of the Remediation Closure Criteria.

5.0 SITE CHARACTERIZATION FINDINGS AND DEVELOPMENT OF REMEDIATION PLAN

Site characterization investigations, specifically the grid-based surficial soil confirmation sampling program conducted on June 27, 2024, identified an approximately 6,920-square-foot area over which Remediation Closure Criteria were exceeded in the soil. Within this area, the contaminated soil that exceeded Remediation Closure Criteria was found to extend to a depth of approximately 0.5 feet. A map showing areas targeted for remediation and projected remediation depths is shown on Figure 4. Based on results of site characterization, the total volume of soil to be removed was estimated at 130 cubic yards.

6.0 REMEDIATION ACTIVITIES

Initial remediation activities were completed between September 30 and October 2, 2024. In accordance with NMOCD regulatory guidelines, shallow impacted soil containing constituents of concern at concentrations in excess of the Remediation Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal (R360 Antelope Ridge). While

Devon Energy Production Company CEC Project 331-070 Page 6 December 17, 2024

undertaking the excavation, a FieldScout Soil Conductivity Probe with automatic temperature compensation, RAE Photo-Ionization Detector, and Dexsil PetroFLAG hydrocarbon analyzer were utilized to field-screen the horizontal extent of impacted soil and to guide the excavation. The sidewalls and floors of the excavation were expanded until field tests and field observations indicated that constituents of concern were less than the applicable remediation criteria. The results of the field screening that was conducted to support remedial actions are presented on Table 4. Soil screening locations are shown on Figure 5. Photographs documenting the soil remedial efforts are included in the photographic log in Appendix G. Approximately 585 cubic yards of soil were removed over this period.

Upon making a determination based on field observations and field screening that there was a high likelihood that remediation goals had been achieved, CEC collected representative five-point composite post-excavation confirmation soil samples representative of each 400 square-feet of the sidewalls and floor of the excavated area pursuant to Subsection C of 19.15.29.12 NMAC and the approved sampling variance (Appendix D).

A total of nineteen (19) post-excavation confirmation soil samples were collected on October 1 and 2, 2024. Two composite samples were collected from the sidewalls ("North Wall" and "South Wall"). Seventeen samples were collected from the floor of the excavation (CS-4a, CS-8a, CS-10a, CS-35a, CS-36a, CS-58a, CS-60a, CS-69a, CS-71a, Cs-72a, CS-73a, CS-76a, CS-89a, CS-102a, CS-105a, CS-116a, and CS-131a). No wet or discolored areas were encountered, and discrete grab samples were not required. The area represented by each confirmation sample is shown on Figure 5. Confirmation samples were submitted for laboratory analysis to Eurofins in Midland, Texas. The soil samples were analyzed for BTEX (by Method 8021B), TPH (by Method 8015B), and chloride (by EPA Method 300.0).

The results of the confirmation soil sampling are summarized on Table 5. Analytical reports are included in Appendix F. As shown on Table 5, one floor sample (CS-73a) was found to contain TPH (GRO+DRO) at concentrations in excess of the Remediation Closure Criteria.

On October 22, 2024, additional remediation activities were conducted in the area of CS-73a. Impacted soil affected above the Remediation Closure Criteria was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste disposal facility (R360 Antelope Ridge). The floor of the excavation was deepened until field observations and field screening indicated a high likelihood that remediation goals had been achieved (to approximately 2 feet bgs). Approximately 23 additional cubic yards of soil were excavated from this area. CEC collected one composite sample (CS-73b) from the floor of the excavated area on October 28, 2024. The results of the additional confirmation soil sampling are presented on Table 5 (the sample dated October 28, 2024), and the analytical report is included in Appendix F. As shown on Table 5, none of the constituents of concern were detected at concentrations in excess of the Remediation Closure Criteria. Photographs documenting the additional remediation activities are included in Appendix G.

7.0 RESTORATION ACTIVITIES

As the spill area is actively used for oil and gas production, the areas where excavation was performed to remediate the Site were restored by backfilling with clean fill to stabilize the disturbed areas and return them to the existing grade, and provide a soil cover that prevents ponding of water and minimizes dust and erosion in accordance with Sections A., B. and C of 19.15.29.13 NMAC. Restoration activities were conducted on November 11 and 12, 2024. Photographs showing the disturbed areas upon completing restoration are included in the photographic log in Appendix G.

Devon Energy Production Company CEC Project 331-070 Page 7 December 17, 2024

8.0 DISCUSSION AND CONCLUSIONS

Site characterization investigations, specifically the grid-based surficial soil confirmation sampling program conducted on June 27, 2024, identified an approximately 6,920-square-foot area over which Remediation Closure Criteria were exceeded in the soil. Exceedances of the Remediation Closure Criteria were confined to within the footprint of the well pad. Within this area, the contaminated soil that exceeded the Remediation Closure Criteria was found to extend to a depth of 0.5 feet. Site characterization activities also successfully delineated affected soil as required under 19.15.29.13 NMAC.

In September and October 2024, the affected area was remediated by excavating the impacted soil in accordance with requirements of 19.15.29.12 NMAC. Most of the area was excavated to a depth of 0.5 feet bgs, with a limited area excavated to a depth of 2.0 feet bgs. Approximately 608 cubic yards of contaminated soil were excavated from this area and disposed of at a NMOCD-permitted surface waste disposal facility.

Confirmation soil samples collected pursuant to Subsection C of 19.15.29.12 NMAC demonstrated that the soil remediation efforts were successful in meeting Remediation Closure Criteria. The disturbed area was restored by backfilling with clean fill to stabilize the disturbed areas and return them to existing grade and provide a soil cover that prevents ponding of water and minimizes dust and erosion in November 2024. In accordance with 19.15.29.12 and 19.15.29.13 NMAC, final reclamation of remaining impacted soil within the well pad area will take place once the Site is no longer used for oil and gas operations.

Based on the results of the site investigations discussed above and the remedial actions completed, Incident nAPP2325072650 qualifies for remediation closure approval.

6.0 **CLOSING**

CEC appreciates the opportunity to assist Devon on this project. Please contact us if you need additional information.

Sincerely,

CIVIL & ENVIRONMENTAL CONSULTANTS, INC.

Laura D. Campbell

Project Manager

Robert J. Valli

Ran/Wani

Principal

Enclosures:

FIGURES

Figure 1: Site Location Map

Figure 2: Release Characterization Sample Locations

Figure 3: Surficial Soil Confirmation Sample Locations

Figure 4: Areas Targeted for Soil Remediation

Figure 5: Final Soil Remediation Excavation Limits and Confirmation Sample Locations

Devon Energy Production Company CEC Project 331-070 Page 8 December 17, 2024

TABLES

Table 1: Summary of Field Screening Results – Release Characterization

Table 2: Summary of Laboratory Analytical Results – Release Characterization

Table 3: Summary of Laboratory Analytical Results – Surficial Soil Confirmation Sampling

Table 4: Summary of Field Screening Results – Confirmation Sampling

Table 5: Summary of Laboratory Analytical Results – Confirmation Sampling

APPENDICES

Appendix A: Initial Release Notification and OCD Response

Appendix B: Sensitive Receptors Map

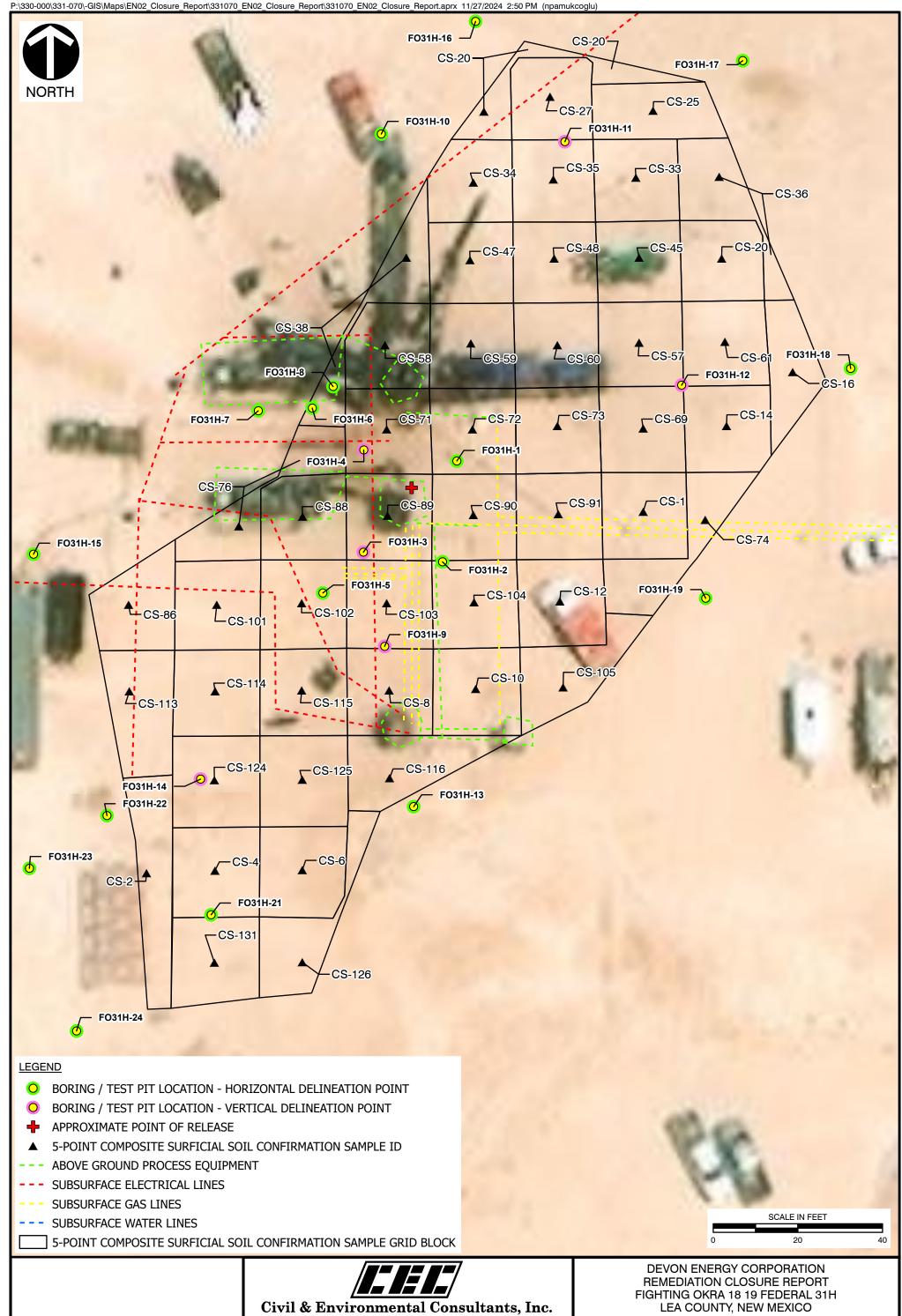
Appendix C: Temporary Well C-4626 Records

Appendix D: NMOCD Correspondence Appendix E: SOPs for Field Screening Appendix F: Laboratory Analytical Reports

Appendix G: Photographic Log

FIGURES

P:\330-000\331-070\-GIS\Maps\EN02 Closure Report\331070 EN02 Closure Report\331070 EN02 Closure Report.aprx 11/27/2024 2:50 PM (npamukcoglu) **NORTH** FO31H-20 FO31H-16 FO31H-10 FO31H-17 FO31H-4 FO31H-11 FO31H-8 FO31H-12 FO31H-6 - FO31H-18 FO31H-7 FO31H-1 FO31H-15 FO31H-3 FO31H-14 FO31H-19 FO31H-9 FO31H-BG1 FO31H-22 FO31H-13 FO31H-23 FO31H-21 FO31H-24 FO31H-BG2 LEGEND APPROXIMATE POINT OF RELEASE BORING/TEST PIT LOCATION ABOVE GROUND PROCESS EQUIPMENT SUBSURFACE ELECTRICAL LINES SCALE IN FEET SUBSURFACE GAS LINES - - SUBSURFACE WATER LINES **DEVON ENERGY CORPORATION** REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H LEA COUNTY, NEW MEXICO Civil & Environmental Consultants, Inc. 700 Cherrington Parkway - Moon Township, PA 15108 RELEASE CHARACTERIZATION SAMPLE LOCATIONS **REFERENCE** www.cecinc.com ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: HTTP://GOTO.ARCGISONLINE.COM/MAPS/ DRAWN BY: JLR CHECKED BY: LDC APPROVED BY: * Hand signature on file RJV* FIGURE NO: WORLD IMAGERY, ACCESSED 12/17/2024 1"=70' PROJECT NO: 331-070 SCALE: DATE: 11/27/2024 Released to Imaging: 12/20/2024 9:34



REFERENCE

ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: HTTP://GOTO.ARCGISONLINE.COM/MAPS/ WORLD_IMAGERY, ACCESSED 12/17/2024 Released to Imaging: 12/20/2024 9:34

DATE:

700 Cherrington Parkway - Moon Township, PA 15108

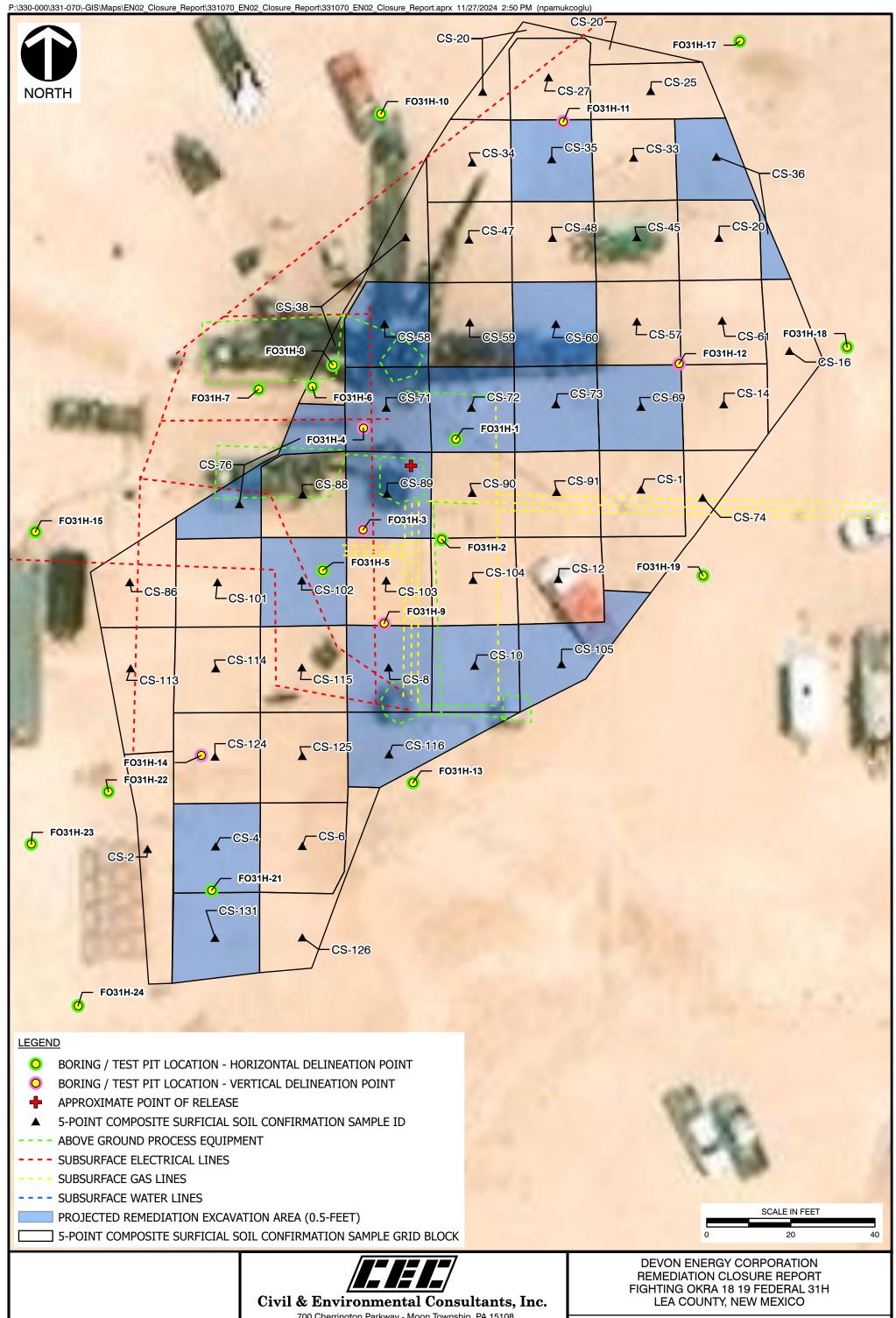
11/27/2024

SCALE:

www.cecinc.com DRAWN BY: NTP CHECKED BY: SURFICIAL SOIL CONFIRMATION SAMPLE LOCATIONS

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REFERENCE

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DATE:

700 Cherrington Parkway - Moon Township, PA 15108

SCALE:

www.cecinc.com DRAWN BY: NTP CHECKED BY:

11/27/2024

AREAS TARGETED FOR SOIL REMEDIATION

4

LDC APPROVED BY: * Hand signature RJV* FIGURE NO: 1"=20' | PROJECT NO: 331-070

Received by OCD: 12/18/2024 10:51:14 AM P:\330-000\331-070\-GIS\Maps\EN02_Closure_Report\331070_EN02_Closure_Report\331070_EN02_Closure_Report\agnumber 11/27/2024 2:50 PM (npamukcoglu) CS-20-CS-20 NORTH **CS-25** L_{CS-27} CS-35A CS-33 CS-34 ·CS-36A CS-20 CS-48 CS-47 CS-45 **CS-38** L_{CS-57} CS-58A L_{CS-59} CS-60A CS-6 CS-14 CS-71A CS-73A/B CS-69A CS-72A CS-76A CS-1 **CS-91** CS-90 CS-89A —CS-88 CS-104 CS-12 CS-86 CS-102A CS-103 CS-101 CS-105A CS-10A

LEGEND 5-POINT COMPOSITE BOTTOM EXCAVATION CONFIRMATION SAMPLE ID 5-POINT COMPOSITE SURFICIAL SOIL CONFIRMATION SAMPLE ID

SIDEWALL SAMPLE LENGTH (NORTH WALL) - SIDEWALL SAMPLE LENGTH (SOUTH WALL)

☐ 5-POINT COMPOSITE SOIL CONFIRMATION SAMPLE GRID BLOCK

CS-114

CS-124

CS-4A

CS-131A

≜CS-113

CS-2

CS-115

CS-125

CS-6

CS-126

CS-8A

CS-116A

FINAL REMEDIATION EXCAVATION DEPTHS 2-FEET

FINAL REMEDIATION EXCAVATION DEPTHS 0.5-FOOT

Civil & Environmental Consultants, Inc.

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DEVON ENERGY CORPORATION REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H LEA COUNTY, NEW MEXICO

SCALE IN FEET

FINAL SOIL REMEDIATION EXCAVATION LIMITS AND CONFIRMATION SAMPLE LOCATIONS

REFERENCE

ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: HTTP://GOTO.ARCGISONLINE.COM/MAPS/ WORLD_IMAGERY, ACCESSED 12/17/2024

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TABLES

TABLE 1 SUMMARY OF SOIL FIELD SCREENING RESULTS - RELEASE CHARACTERIZATION REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H DEVON ENERGY CORPORATION CEC PROJECT NUMBER: 331-070

				Field Screening Parameter						
Sample ID	Sample Date	Depth	Field Site Assessment Phase	Electrical Conductivity (mS) ¹	Chloride (mg/kg) ²	Volatile Organic Compounds (ppm) ³	Total Petroleum Hydrocarbons (ppm) ⁴			
	5/1/2023	0-1		4.00	1,574	0.0	91			
FO31H-1	5/1/2023	1-2		0.55	276	0.0	7			
	5/1/2023	2-3	Phase 1	1.30	456	0.0	49			
FO31H-2	5/1/2023	0-1		0.95	184	0.0	0			
1 03111-2	5/1/2023	1-2		0.80	62	0.0	0			
FO31H-3/	5/1/2023	0-1	Phase 1	10.75	2,346	0.0	200			
FO31H-3A	5/1/2023	1-2	T hase T	8.00	2,168	0.0	153			
103111371	6/27/2024	4	Phase 5	0.24		0.3	84			
FO31H-4	5/1/2023	0-1		10.00	2,974	0.0	740			
103111-4	5/1/2023	1-2		4.00	1,024	0.0	0			
FO31H-5	5/1/2023	0-1			1,450	0.0	108			
103111-3	5/1/2023	1-2		0.60	110	0.0	0			
FO31H-6	5/1/2023	0-1		5.50	858	0.0	148			
103111-0	5/1/2023	1-2		3.00	568	0.0	96			
FO31H-7	5/1/2023	0-1	Phase 1	1.30	276	0.4	0			
103111-7	5/1/2023	1-2	r nase i	0.30	<62	0.1	0			
FO31H-8	5/1/2023	0-1		8.50	2,974	0.0	116			
103111-6	5/1/2023	1-2		2.00	184	0.0				
FO31H-9	5/1/2023	0-1		7.50	2,002	0.0	0			
103111-7	5/1/2023	1-2		2.30	456	0.0	0			
BG-1	5/1/2023	0-1		0.06	<62	0.0				
BG-2	5/1/2023	0-1		0.60	146	0.0				
FO31H-10	6/5/2023	0-2	Phase 2	1.60	226	0.1				
FO31H-11/	6/5/2023	0-2	Phase 2	4.60	1,222	0.1				
FO31H-11A	6/27/2024	4	Phase 5	0.20		0.0	24			
FO31H-12/	6/5/2023	0-1.5	Phase 2	4.30	1,314	0.2				
FO31H-12A	6/27/2024	4	Phase 5	0.37		0.6	77			
FO31H-13	6/5/2023	0-1	Phase 2	0.50		0.1				
FO31H-14/	6/5/2023	0-2	Phase 2	0.95	164	0.0				
FO-31H-14A	6/5/2023	2-3.5	Filase 2	2.00	456	0.0				
10-3111-14A	6/27/2024	4	Phase 5	0.35		0.0	102			
FO31H-15	6/5/2023	0-2		0.15		0.1				
103111-13	6/5/2023	2-3		0.23		0.1				
FO31H-16	6/5/2023	0-2		1.60	700	0.1				
FO31H-17	6/5/2023	0-2	Phase 2	0.55		0.1				
103111-17	6/5/2023	2-4	1 Hase 2	0.25		0.1				
FO31H-18	6/5/2023	0-1		0.25		0.2				
FO31H-19	6/5/2023	0-1.5		0.60		0.2				
FO31H-20	6/5/2023	0-1		0.40		0.2				
	9/18/2023	0-1		0.60	62	0.1	235			
FO31H-21	9/18/2023	1-2		0.37	<31	0.2				
	9/18/2023	2-3		0.42	<31	0.1	80			
FO31H-22	9/18/2023	0-1	Phase 3	2.30	456	0.0				
	9/18/2023	0-1		0.54	< 31	0.0	70			
FO31H-23	9/18/2023	1-2		0.34		0.0				
	9/18/2023	2-3		0.36	<31	0.0	56			
	10/30/2023	0-1		1.03	228	0.1	60			
FO31H-24	10/30/2023	1-2	Phase 4	0.27		0.1	16			
	10/30/2023	2-3		0.16		0.1				

Notes

- 1. Soil electrical conductivity collected using a FieldScout Soil Conductivity Probe with automatic temperature compensation.
- 2. Chloride readings collected from Quantab ® titrator strips by creating an aqueous solution of 50 grams of soil to 100 mL of distilled water. For readings collected from 1:2 aqueous solution, actual titrator readings were doubled to calculate the actual chloride concentration.
- 3. Volatile Organic Compounds (VOCs) were measured in the headspace using a photoionization detector.
- 4. Total Petroleum Hydrocarbons (TPH) were measured using a Dexsil PetroFLAG meter with a response setting of 10.
- -- Denotes parameter not analyzed.

TABLE 2 SUMMARY OF LABORATORY ANALYTICAL RESULTS - RELEASE CHARACTERIZATION REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H DEVON ENERGY CORPORATION CEC PROJECT NUMBER: 331-070

				Volatile Orga	nic C	ompounds (mg/kg))	Total Petr	oleum l	Hydrocarbons (1	ng/kg)	Anions (mg	g/kg)
Sample ID	Sample Date	Depth (ft-bgs)	Field Assessment Phase	Benzene 0.00266 *+		Total BTEX ¹		TPH (GRO+	DRO) ²	TPH (GRO+DRO+	MRO) ³	Chloric	le
	5/1/2023	0-1		0.00266	*+	0.03715		45.6	J	45.6	J	3,290	F1
FO 31H-1	5/1/2023	1-2		< 0.000396	*+	< 0.00104		19.6	J	19.6	J	569	
	5/1/2023	2-3	Phase 1 Phase 5 Phase 1 Phase 5 Phase 2 Phase 5 Phase 5 Phase 5 Phase 5 Phase 5 Phase 6 Phase 7 Phase 7 Phase 8	< 0.000412	*+	< 0.00108		< 16.1		< 16.1		843	
FO 31H-2	5/1/2023	0-1	Phase 1	< 0.000402	*+	< 0.00105		20.4	J	20.4	J	293	
FO 3111-2	5/1/2023	1-2		< 0.0004	*+	< 0.00105		20.2	J	20.2	J	290	
FO 31H-3	5/1/2023	0-1		< 0.000412	*+	< 0.00108		27.1	J	27.1	J	4,220	
	5/1/2023	1-2		< 0.000403	*+	< 0.00106		22.5	J	22.5	J	3,290	
F031H-3A	6/27/2024	4	Phase 5	< 0.00169		< 0.00277		45.6		45.6		152	
FO 31H-4	5/1/2023	0-1		< 0.000414	*+	< 0.00109		389		389		6,740	
103111-4	5/1/2023	1-2		< 0.0004	*+	< 0.00105		35.1	J	35.1	J	1,180	
FO 31H-5	5/1/2023	0-1		< 0.000404	*+	< 0.00106		21.9	J	21.9	J	3,030	
1001110	5/1/2023	1-2		< 0.0004	*+	0.000794	J	44.5	J	44.5	J	102	F1
FO 31H-7	5/1/2023	0-1		< 0.000398	*+	< 0.00104		18.4	J	18.4	J	535	
103111-7	5/1/2023	1-2	Phase 1	< 0.000393	*+	< 0.00103		19.8	J	19.8	J	81.3	
FO 31H-8	5/1/2023	0-1	150 1	< 0.000408	*+	< 0.00107		62.4	J	62.4	J	4,230	
1001110	5/1/2023	1-2		< 0.0004	*+	0.000704	J	21.5	J	21.5	J	432	
FO 31H-9	5/1/2023	0-1		< 0.000417	*+	0.002712	J	43.3	J	43.3	J	3,860	
	5/1/2023	1-2		< 0.000399	*+	< 0.00105		19.5	J	19.5	J	625	
FO 31 BG-1	5/1/2023	0-1		< 0.000384	*+	< 0.00101		15.6	J	15.6	J	39	
FO 31H BG-2	5/1/2023	0-1		< 0.000389	*+	< 0.00102		27	J	27	J	233	
FO 31H-10	6/5/2023	0-2	Phase 2	< 0.000437		< 0.00115		51.6	J,B	51.6	J,B	543	
FO 31H-11	6/5/2023	0-2	1 111150 2	< 0.000406		< 0.00107		23.8	J,B	23.8	J,B	2,030	
F031H-11A	6/27/2024	4		< 0.0015		< 0.00247		56.2		56.2		178	
FO 31H-12	6/5/2023	0-1.5		< 0.000409		< 0.00107		44.5	J,B	44.5	J,B	1,510	
F031H-12A	6/27/2024	4	Phase 5	< 0.00149		< 0.00244		28.3		28.3		204	
FO 31H-13	6/5/2023	0-1		< 0.000464		< 0.00122		36	J,B	36	J,B	70.9	
FO 31H-14	6/5/2023	0-2	Phase 2	< 0.00041		< 0.00108		46.1	J,B	46.1	J,B	137	
	6/5/2023	2-3.5		< 0.000399		< 0.00105		223.9	J,B	223.9	J,B	754	
F031H-14A	6/27/2024	4	Phase 5	< 0.00157		< 0.00257		76.4		76.4		55.8	
FO 31H-15	6/5/2023	0-2	4	< 0.000408		< 0.00107		48.8	J,B	48.8	J,B	56.6	
	6/5/2023	2-3		< 0.000491		< 0.00129	_	31.3	J,B	31.3	J,B	59.3	
FO 31H-16	6/5/2023	0-2	4	< 0.000498		< 0.00131		83.3	J,B	83.3	J,B	440	
FO 31H-17	6/5/2023	0-2	Phase 2	< 0.000461		< 0.00121		33	J,B	33	J,B	180	
	6/5/2023	2-4		< 0.000486		< 0.00128		33.7	J,B	33.7	J,B	63	
FO 31H-18	6/5/2023	0-1		< 0.000439		< 0.00115		50.2	J,B	50.2	J,B	74	
FO 31H-19	6/5/2023	0-1.5	4	< 0.000512		< 0.00134		36.3	J,B	36.3	J,B	79	
FO 31H-20	6/5/2023	0-1		< 0.000396		< 0.00104		31.9	J,B	31.9	J,B	206	
FO 31H-21	9/18/2023	0-1	1	< 0.000414		< 0.00109	_	132.3	J,B	132.3	J,B	190	
	9/18/2023	2-3	Phase 3	< 0.000422		< 0.00111		80.6	J,B	80.6	J,B	161	
FO 31H-23	9/18/2023	0-1		< 0.000409		< 0.00107	_	85.6	J,B	85.6	J,B	227	
	9/18/2023	2-3		< 0.000403		< 0.00106	_	56.2	J,B	56.2	J,B	32	
FO 31H-24	10/30/2023	0-1	Phase 4	< 0.000405		< 0.00106		70.8	J,B	70.8	J,B	386	
100	10/30/2023	1-2		< 0.000391		< 0.00103		58.9	J,B	58.9	J,B	108	
Remediation Closu	re Criteria ⁴			10		50		1,000		2,500		10,000	

Notes:

- 1. Value is the sum of detected benzene, ethylbenzene, toluene, and total xylenes (BTEX). If no BTEX constituent was detected above the laboratory Method Detection Limit (MDL), the maximum MDL is reported.
- 2. Value is the sum of detected Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). If GRO and DRO were not detected above the MDL, the maximum MDL is reported.
- 3. Value is the sum of detected GRO, DRO, and Oil Range Organics (MRO). If GRO, DRO, and MRO were not detected above the MDL, the maximum MDL is reported.
- 4. Remediation Closure Criteria for soils impacted by a release from Table I of 19.15.29 NMAC. Criteria are based on minimum depth to groundwater between 51 and 100 ft-bgs.

ft-bgs - Feet below ground surface. NSE - Denotes no standard established.

mg/kg - Denotes milligram per kilogram.

Bolded values were detected above the laboratory Reporting Limit (RL).

Oualifier Definitions

- < Denotes analyte not detected above laboratory Method Detection Limit (MDL).
- *+ LCS and/or LCSD is outside acceptance limits, high biased.
- J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- F1 MS and/or MSD recovery is outside acceptance limits.
- B Compound was found in the blank and sample.

TABLE 3 SUMMARY OF LABORATORY ANALYTICAL RESULTS - SURFICIAL SOIL CONFIRMATION SAMPLING REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H DEVON ENERGY CORPORATION CEC PROJECT NUMBER: 331-070

			Volatile Organic C	ompounds (mg/kg)	Total Pe	troleum H	Iydrocarbons (n	ng/kg)	Anions (mg/kg)	
Sample ID	Sample Date	Depth (ft-bgs)	Benzene	Total BTEX ¹	TPH (GRO	+DRO) ²	TPH (GRO+DRO+	-MRO) ³	Chloride	
CS-1	6/27/2024	0.0	< 0.00141	< 0.00232	208.6	В	259	В	6,640	
CS-2	6/27/2024	0.0	< 0.00142	< 0.00233	125.2	В	125.2	В	7,240	
CS-4	6/27/2024	0.0	< 0.0014	< 0.00229	4,690		4,690		2,660	
CS-6	6/27/2024	0.0	< 0.0014	< 0.0023	198.8	В	198.8	В	6,980	
CS-8	6/27/2024	0.0	< 0.00142	< 0.00233	15.2 J	J	30.7 J	J	19,400	
CS-10	6/27/2024	0.0	< 0.00141	< 0.00231	133	В	191.1	В	15,900	
CS-12	6/27/2024	0.0	< 0.00139	< 0.00228	38.2	J,B	38.2	J,B	783	
CS-14	6/27/2024	0.0	< 0.00139	< 0.00228	65.7	J,B	65.7	J,B	3,040	
CS-16	6/27/2024	0.0	< 0.00142	< 0.00232	71.8	J,B	71.8	J,B	1,660	
CS-20	6/27/2024	0.0	< 0.00141 F1,F2	< 0.00232 F1	141.9	В	141.9	В	9,960	
CS-25	6/27/2024	0.0	< 0.00143	< 0.00235	43.5	J,B,F1	43.5	J,B,F1	4,760	
CS-27	6/27/2024	0.0	< 0.00141	< 0.00232	92.9	В	92.9	В	8,530	
CS-33	6/27/2024	0.0	< 0.00141	< 0.00231	40.4	J.B	40.4	J.B	644	
CS-34	6/27/2024	0.0	< 0.0014	< 0.0023	61.1	J,B	61.1	J,B	6,620	
CS-35	6/27/2024	0.0	< 0.00141	< 0.00232	56	J.B	56	J.B	12,800	
CS-36	6/27/2024	0.0	< 0.0014	< 0.0023	115.8	В	115.8	В	14,000 F1	
CS-38	6/27/2024	0.0	< 0.0014	< 0.0023	81.1	J,B	81.1	J,B	2,070	
CS-45	6/27/2024	0.0	< 0.00143	< 0.00235	99.6	В	99.6	В	3,310	
CS-47	6/27/2024	0.0	< 0.00141	< 0.00231	129.8	В	129.8	В	3,020	
CS-48	6/27/2024	0.0	< 0.00139	< 0.00229	94	В	94	В	7,390	
CS-49	6/27/2024	0.0	< 0.00135	< 0.00223	60.7	J,B	60.7	J,B	2,570	
CS-57	6/27/2024	0.0	< 0.00141	< 0.00231	88.1	J,B	88.1	J,B	4,440	
CS-58	6/27/2024	0.0	< 0.0014	< 0.00229	710.5	В	710.5	,,Б В	13,900	
CS-59	6/27/2024	0.0	< 0.00143	< 0.00229	830.1	В	830.1	В	5,180	
CS-60	6/27/2024	0.0	< 0.00139	< 0.00229	747.5	В	747.5	В	11,000	
		0.0	< 0.0014	< 0.0023	69.1	J.B	69.1	J.B	2,240	
CS-61	6/27/2024		< 0.00141	< 0.00232	75.3	J,B,F1	94.6	J,B,F1	11,900	
CS-69	6/27/2024	0.0	< 0.00143	< 0.00234					1,690	
CS-71	6/27/2024	0.0			1,296.40	В	1,296.40	В	,	
CS-72	6/27/2024	0.0	< 0.00142	< 0.00233 F1	327	_	327		25,500	
CS-73	6/27/2024	0.0	< 0.00142	< 0.00233	330.3	В	330.3	В	20,000	
CS-74	6/27/2024	0.0	< 0.00139	< 0.00229	74.5	J,B	90.5	J,B	2,260	
CS-76	6/27/2024	0.0	< 0.00143	< 0.00235	< 15.3		< 15.3		15,200	
CS-86	6/27/2024	0.0	< 0.00142	< 0.00233	28.3	J,B	28.3	J,B	228	
CS-88	6/27/2024	0.0	< 0.00141	< 0.00232	361.1	В	545.1	В	1,380	
CS-89	6/27/2024	0.0	< 0.00142	< 0.00233	149		625		11,800	
CS-90	6/27/2024	0.0	< 0.0014	< 0.0023	80.4	В	112.4	В	4,580	
CS-91	6/27/2024	0.0	< 0.0014	< 0.0023	36.4	J,B	36.4	J,B	8,270	
CS-101	6/27/2024	0.0	< 0.00141	< 0.00232	38.2	J,B	38.2	J,B	429	
CS-102	6/27/2024	0.0	< 0.00143	< 0.00235	57.2	J,B	78.8	J,B	20,100	
CS-103	6/27/2024	0.0	< 0.0014	< 0.0023	602.3	В	975.3	В	7,700	
CS-104	6/27/2024	0.0	< 0.00141	< 0.00231	78	В	107.5	В	4,100	
CS-105	6/27/2024	0.0	< 0.00142	< 0.00233	134.7	В	194.9	В	17,900	
CS-113	6/27/2024	0.0	< 0.0014	< 0.0023	42.4	J,B	42.4	J,B	821	
CS-114	6/27/2024	0.0	< 0.00142	< 0.00232	70.9	В	101.9	В	1,270	
CS-115	6/27/2024	0.0	< 0.00141	< 0.00231	149.9	В	220.5	В	7,520	
CS-116	6/27/2024	0.0	< 0.00142	< 0.00233	402.1	В	402.1	В	17,000	
CS-124	6/27/2024	0.0	< 0.0014	< 0.00229	107.6	В	107.6	В	496	
CS-125	6/27/2024	0.0	< 0.00143	< 0.00234	772.1	В	772.1	В	4,850	
CS-126	6/27/2024	0.0	< 0.00141	< 0.00232	108.8	В	108.8	В	4,110	
CS-131	6/27/2024	0.0	< 0.00139	< 0.00228	3,756.10	В	3,756.10	В	1,480	
R	emediation Closure Crite	eria ⁴	10	50	1,000		2,500		10,000	

Notes:

- 1. Value is the sum of detected benzene, ethylbenzene, toluene, and total xylenes (BTEX). If no BTEX constituent was detected above the laboratory Method Detection Limit (MDL), the maximum MDL is reported.
- 2. Value is the sum of detected Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). If GRO and DRO were not detected above the MDL, the maximum MDL is reported.
- 3. Value is the sum of detected GRO, DRO, and Oil Range Organics (MRO). If GRO, DRO, and MRO were not detected above the MDL, the maximum MDL is reported.
- 4. Remediation Closure Criteria for soils impacted by a release from Table I of 19.15.29 NMAC. Criteria are based on minimum depth to groundwater between 51 and 100 ft-bgs.

ft-bgs - Feet below ground surface. NSE - No standard established.

mg/kg - Milligrams per kilogram.

Bolded values were detected above the laboratory Reporting Limit (RL).

Denotes analyte exceeded the Remediation Closure Criteria.

Qualifier Definitions

- Analyte not detected above laboratory Method Detection Limit (MDL).
- J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- B Compound was found in the blank and sample.
- *+ LCS and/or LCSD is outside acceptance limits, high biased.
- F1 MS and/or MSD recovery is outside acceptance limits.
- F2 MS/MSD RPD exceeds control limits.

TABLE 4 SUMMARY OF SOIL FIELD SCREENING RESULTS - CONFIRMATION SAMPLING REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H DEVON ENERGY CORPORATION CEC PROJECT NUMBER: 331-070

			Field Screening Parameter								
Sample ID	Sample Date	Depth	Electrical Conductivity (mS) ¹	Chloride (mg/kg) ²	Volatile Organic Compounds (ppm) ³	Total Petroleum Hydrocarbons (ppm) ⁴					
CS-4a	9/30/2024	0.5	0.94		0.0	31					
CS-8a	10/2/2024	0.5	0.36		0.0						
CS-10a	9/30/2024	0.5	0.60		0.0	105					
CS-35a	9/30/2024	0.5	2.67		0.4	17					
CS-36a	9/30/2024	0.5	2.37		0.0	52					
CS-58a	9/30/2024	0.5	6.06		0.0	221					
CS-60a	9/30/2024	0.5	1.73		0.0	65					
CS-69a	9/30/2024	0.5	2.55		0.0	63					
CS-71a	9/30/2024	0.5	1.97		0.3	467					
CS-72a	9/30/2024	0.5	0.88		0.4	376					
CS-73a	9/30/2024	0.5	1.01		1.0	1,195					
CS-73a	10/1/2024	0.5			55.3	1,360					
CS-73a	10/2/2024	0.8	1.44		21.2	206					
CS-73b	10/22/2024	2	0.06		1.0	164					
CS-73b	10/23/2024	2	0.04		0.1	168					
CS-73b	10/28/2024	2	0.23		0.0	158					
CS-76a	9/30/2024	0.5	0.08		0.0	196					
CS-89a	10/2/2024	0.5	2.12		0.0						
CS-102a	9/30/2024	0.5	0.74		0.0	69					
CS-105a	9/30/2024	0.5	0.41		0.0	30					
CS-116a	9/30/2024	0.5	0.49		0.0	45					
CS-131a	9/30/2024	0.5	0.16		0.0	127					
North wall	10/1/2024	0.5	0.44		0.0	146					
South wall	10/1/2024	0.5	0.73		0.0	71					

Notes:

- 1. Soil electrical conductivity collected using a FieldScout Soil Conductivity Probe with automatic temperature compensation.
- 2. Chloride readings collected from Quantab ® titrator strips by creating an aqueous solution of 50 grams of soil to 100 mL of distil For readings collected from 1:2 aqueous solution, actual titrator readings were doubled to calculate the actual chloride concentrat
- 3. Volatile Organic Compounds (VOCs) were measured in the headspace using a photoionization detector.
- 4. Total Petroleum Hydrocarbons (TPH) were measured using a Dexsil PetroFLAG meter with a response setting of 10.
- -- Denotes parameter not analyzed.

TABLE 5 SUMMARY OF LABORATORY ANALYTICAL RESULTS - CONFIRMATION SAMPLING REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H DEVON ENERGY CORPORATION CEC PROJECT NUMBER: 331-070

		Depth	Volatile Organic	Compounds (mg/kg)	Total Pet	roleum Hy	drocarbons (mg/	kg)	Anions (mg/	kg)	
Sample ID	Sample Date	(feet below ground surface)	Benzene	Total BTEX ¹	TPH (GRO+	TPH (GRO+DRO) ²		TPH (GRO+DRO) ² (GRO+DRO+MRO) ³		Chloride	;
CS-4a	10/1/2024	0.5	< 0.00142	< 0.00233	109	В	109	В	1,000		
CS-8a	10/2/2024	0.5	< 0.00146	< 0.00240	17	J, B	17	J, B	863		
CS-10a	10/1/2024	0.5	< 0.00144	< 0.00236	< 15.6		< 15.6		1,220		
CS-35a	10/1/2024	0.5	< 0.00144	< 0.00236	< 15.5		< 15.5		3,500		
CS-36a	10/1/2024	0.5	< 0.00143	< 0.00235	43.7	J, B	43.7	J, B	3,270		
CS-58a	10/1/2024	0.5	< 0.00146	< 0.00240	45.8	J, B	45.8	J, B	3,300		
CS-60a	10/1/2024	0.5	< 0.00143	< 0.00235	22.2	J, B	22.2	J, B	1,070		
CS-69a	10/1/2024	0.5	< 0.00145	< 0.00238	40.3	J, B	40.3	J, B	3,750		
CS-71a	10/1/2024	0.5	< 0.00149	< 0.00244	30.9	J, B	30.9	J, B	3,490		
CS-72a	10/1/2024	0.5	< 0.00145	< 0.00238	60.3	В	60.3	В	3,770		
CS-73a	10/2/2024	0.8	< 0.00147	0.0472	1,290	В	1,290	В	910		
CS-73b	10/28/2024	2	< 0.00143	< 0.00235	27.7	J	27.7	J	552		
CS-76a	10/1/2024	0.5	< 0.00151	< 0.00248	20.1	J, B	20.1	J, B	320		
CS-89a	10/2/2024	0.5	< 0.00151	0.0109	40.9	J, B	40.9	J, B	2,420		
CS-102a	10/1/2024	0.5	< 0.00151	< 0.00248	70.9	В	70.9	В	1,470		
CS-105a	10/1/2024	0.5	< 0.00144	< 0.00236	< 15.5		< 15.5		1,480		
CS-116a	10/1/2024	0.5	< 0.00143	< 0.00235	< 15.5		< 15.5		2,200	F1	
CS-131a	10/1/2024	0.5	< 0.00143	< 0.00234	69.3	В	69.3	В	119		
North Wall	10/1/2024	0.5	< 0.00149	< 0.00244	< 16.1		< 16.1		2,700	F1	
South Wall	10/1/2024	0.5	< 0.00146	< 0.00240	< 15.9		< 15.9		579		
Rem	ediation Closure Criter	ria ⁴	10	50	1,000		2,500		10,000		

Notes:

- 1. Value is the sum of detected benzene, ethylbenzene, toluene, and total xylenes (BTEX). If no BTEX constituent was detected above the laboratory Method Detection Limit (MDL), the maximum MDL is reported.
- 2. Value is the sum of detected Gasoline Range Organics (GRO) and Diesel Range Organics (DRO). If GRO and DRO were not detected above the MDL, the maximum MDL is reported.
- 3. Value is the sum of detected GRO, DRO, and Oil Range Organics (MRO). If GRO, DRO, and MRO were not detected above the MDL, the maximum MDL is reported.
- 4. Remediation Closure Criteria for soils impacted by a release from Table I of 19.15.29 NMAC. Criteria are based on minimum depth to groundwater between 51 and 100 ft-bgs. ft-bgs Feet below ground surface.

NSE - No standard established.

mg/kg - Milligrams per kilogram.

Bolded values were detected above the laboratory Reporting Limit (RL).

Denotes analyte exceeded the Remediation Closure Criteria.

Qualifier Definitions

- Analyte not detected above laboratory Method Detection Limit (MDL).
- J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
- B Compound was found in the blank and sample.
- F1 MS and/or MSD recovery is outside acceptance limits.



Page 21 of 376

APPENDIX A INITIAL C-141 FORM AND OCD DIRECTIVE

Form C-141

Revised April 3, 2017

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

State of New Mexico **Energy Minerals and Natural Resources**

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

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

			Rele	ase	Notific	cation	and Co	orrective A	ction					
							OPERA	TOR		Initia	al Report	Final Report		
		evon Energy						ark Kramer, Dri		pervisor				
		Rivers Hwy ng Okra 18 1					Facility Typ	No. 575-748-33'	71					
•			9 Federal	этп				DE OII						
Surface Ow	ner Feder	al			Mineral C)wner I	Federal			API No	. 30-025-432	:67		
					LOCA	ATION	OF RE	LEASE						
Unit Letter E	Section 18	Township 26S	Range 34E	Feet	from the	North/	South Line	Feet from the	East/W	est Line	County Lea			
			Lat	titud	e _32.0443	66_ Lo i	_ Longitude 103.516471_ NAD83							
					NAT	URE	OF REL	EASE						
Type of Rele Water Based							Volume of 9 bbls	Release		Volume F	Recovered			
Source of Re								Hour of Occurrence	ce		Hour of Discov	very		
Flowline near								2018 @ 10:00 AM	I MST	March 2,	2018 @ 10:00	AM MST		
Was Immedia	ate Notice (Yes 🖂	No	☐ Not Re	equired	If YES, To N/A	o Whom?						
By Whom? N/A							Date and Hour N/A							
Was a Watercourse Reached? ☐ Yes ☒ No						_	olume Impacting t	the Wate	rcourse.					
						N/A	RECEIVE	ה.						
If a Watercourse was Impacted, Describe Fully.* N/A							By Olivia Y		12:06	om, Mar	16, 2018			
Describe Cause of Problem and Remedial Action Taken.* While circulating a bottoms up after tripping in the hole, flow we flow increase caused the section of the flowline nearest the blow stopped and the crew re-connected the section of the flow line we					blow or	ut prevente	r (BOP) to slip o	out of the	e hammer					
Approximate squeegees an	ly 9 bbls of d a diaphra	and Cleanup A water based i gm pump. Ap ted to assist w	nud was re proximate	lease ly 6.5	bbls of wa	ter based	l mud was re	up of the release covered. All fluid	commend d stayed	ced immed on the well	liately through pad. An envi	the use of conmental		
regulations al public health should their or or the environ	Il operators or the envi operations h nment. In a	are required to ronment. The nave failed to addition, NMC	ormation given above is true and complete to the best of my knowledge and understated required to report and/or file certain release notifications and perform corrective actions. The acceptance of a C-141 report by the NMOCD marked as "Final Report" of failed to adequately investigate and remediate contamination that pose a threat to get tion, NMOCD acceptance of a C-141 report does not relieve the operator of responsional of the regulations.						ctive action deport" do reat to gro	ons for rele oes not reli ound water	eases which ma eve the operator, surface water	ay endanger or of liability r, human health		
								OIL CON	SERV.	<u>ATION</u>	DIVISION]		
Signature: λ	1íchael S	Shoemake	r							σ <u>y</u>				
Printed Name: Michael Shoemaker						Approved by	Environmental S	pecialist						
Title: Enviro	nmental Pr	ofessional					Approval Date: 3/16/2018 Expiration Date:							
E-mail Addre	ess: mike.sl	hoemaker@dv	/n.com				Conditions o				Attached [
Date:		Phone: 575	5.748.3371				see atta	ched directiv	⁄e					

* Attach Additional Sheets If Necessary

1RP-4993

nOY1807543780

pOY1807544141

Operator/Responsible Party,

The OCD has received the form C-141 you provided on _3/15/2018_ regarding an unauthorized release. The information contained on that form has been entered into our incident database and remediation case number _1RP-4993__ has been assigned. Please refer to this case number in all future correspondence.

It is the Division's obligation under both the Oil & Gas Act and Water Quality Act to provide for the protection of public health and the environment. Our regulations (19.15.29.11 NMAC) state the following,

The responsible person shall complete <u>division-approved corrective action</u> for releases that endanger public health or the environment. The responsible person shall address releases in accordance with a remediation plan submitted to and approved by the division or with an abatement plan submitted in accordance with 19.15.30 NMAC. [emphasis added]

Release characterization is the first phase of corrective action unless the release is ongoing or is of limited volume and all impacts can be immediately addressed. Proper and cost-effective remediation typically cannot occur without adequate characterization of the impacts of any release. Furthermore, the Division has the ability to impose reasonable conditions upon the efforts it oversees. As such, the Division is requiring a workplan for the characterization of impacts associated with this release be submitted to the OCD District _1_ office in __Hobbs____ on or before _4/16/2018_. If and when the release characterization workplan is approved, there will be an associated deadline for submittal of the resultant investigation report. Modest extensions of time to these deadlines may be granted, but only with acceptable justification.

The goals of a characterization effort are: 1) determination of the lateral and vertical extents along with the magnitude of soil contamination. 2) determine if groundwater or surface waters have been impacted. 3) If groundwater or surface waters have been impacted, what are the extents and magnitude of that impact. 4) The characterization of any other adverse impacts that may have occurred (examples: impacts on vegetation, impacts on wildlife, air quality, loss of use of property, etc.). To meet these goals as quickly as possible, the following items must, at a minimum, be addressed in the release characterization workplan and subsequent reporting:

- Horizontal delineation of soil impacts in each of the four cardinal compass directions. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. This is not an exclusive list of potential contaminants. Analyzed parameters should be modified based on the nature of the released substance(s). Soil sampling must be both within the impacted area and beyond.
- Vertical delineation of soil impacts. Adsorbed soil contamination must be characterized for the following constituents using the associated laboratory methods: benzene, toluene, ethylbenzene, and total xylenes by either Method 8260 or 8021, total petroleum hydrocarbons by Method 8015 extended range (GRO+DRO+MRO; C₆ thru C₃₆), and for chloride by Method 300. As above, this is not an exclusive list of potential contaminants and can be modified. Vertical characterization samples should be taken at depth intervals no greater than five feet apart. Lithologic description of encountered soils must also be provided. At least ten vertical feet of soils with contaminant concentrations at or below these values must be demonstrated as existing above the water table.
- Nominal detection limits for field and laboratory analyses must be provided.
- Composite sampling is not generally allowed.
- Field screening and assessment techniques are acceptable (headspace, titration, EC [include algorithm for validation purposes], EM, etc.), but the sampling and assay procedures must be clearly defined. Copies of field notes are highly desirable. A statistically significant set of split samples must be submitted for confirmatory laboratory analysis, including the laterally farthest and vertically deepest sets of soil samples. Make sure there are at least two soil samples submitted

for laboratory analysis from each borehole or test pit (highest observed contamination and deepest depth investigated). Copies of the actual laboratory results must be provided including chain of custody documentation.

- •Probable depth to shallowest protectable groundwater and lateral distance to nearest surface water. If there is an estimate of groundwater depth, the information used to arrive at that estimate must be provided. If there is a reasonable assumption that the depth to protectable water is 50 feet or less, the responsible party should anticipate the need for at least one groundwater monitoring well to be installed in the area of likely maximum contamination.
- If groundwater contamination is encountered, an additional investigation workplan may be required to determine the extents of that contamination. Groundwater and/or surface water samples, if any, must be analyzed by a competent laboratory for volatile organic hydrocarbons (typically Method 8260 full list), total dissolved solids, pH, major anions and cations including chloride and sulfate, dissolved iron, and dissolved manganese. The investigation workplan must provide the groundwater sampling method(s) and sample handling protocols. To the fullest extent possible, aqueous analyses must be undertaken using nominal method detection limits. As with the soil analyses, copies of the actual laboratory results must be provided including chain of custody documentation.
- Accurately scaled and well-drafted site maps must be provided providing the location of borings, test pits, monitoring wells, potentially impacted areas, and significant surface features including roads and site infrastructure that might limit either the release characterization or remedial efforts. Field sketches may be included in subsequent reporting, but should not be considered stand-alone documentation of the site's layout. Digital photographic documentation of the location and fieldwork is recommended, especially if unusual circumstances are encountered.

Nothing herein should be interpreted to preclude emergency response actions or to imply immediate remediation by removal cannot proceed as warranted. Nonetheless, characterization of impacts and confirmation of the effectiveness of remedial efforts must still be provided to the OCD before any release incident will be closed.

Jim Griswold

OCD Environmental Bureau Chief 1220 South St. Francis Drive Santa Fe, New Mexico 87505 505-476-3465 jim.griswold@state.nm.us



Page 26 of 376

APPENDIX B SENSITIVE RECEPTOR MAP

 $P:\ 330-000\ 331-070\ -GIS\ Maps\ EN01_Site_Characterization\ 331070_EN01_Remediation_Plan. aprx\ 4/1/2024\ 6:06\ AM\ (ccyprych)$ POD C-4626 Fighting Okra 18 19 31H **LEGEND** ▲ TEMPORARY WELL LOCATION APPROXIMATE POINT OF RELEASE SCALE IN FEET NHD STREAM 7,000 **NWI WETLAND REFERENCES DEVON ENERGY CORPORATION** ESRI WORLD IMAGERY / ARCGIS MAP SERVICE: HTTP://GOTO.ARCGISONLINE.COM/MAPS/WORLD_IMAGERY, REMEDIATION CLOSURE REPORT FIGHTING OKRA 18 19 FEDERAL 31H ACCESSED 4/1/2024. Civil & Environmental Consultants, Inc. LEA COUNTY, NEW MEXICO NHD FLOWLINES NEW MEXICO, U.S. GEOLOGICAL SERVICE, NATIONAL HYDROGRAPHY DATASET (NHD) FLOWLINES FOR NEW MEXICO, 2022. 700 Cherrington Parkway - Moon Township, PA 15108 SENSITIVE RECEPTOR MAP www.cecinc.com U.S. FISH & WILDLIFE SERVICE, NATIONAL WETLANDS INVENTORY (NWI) DATABASE FOR NEW MEXICO, 2021. DRAWN BY: JLR CHECKED BY: LDC APPROVED BY: * Hand signature on file RJV* FIGURE NO: B-1 331-070 SCALE: 1"=3,500' | PROJECT NO: DATE: 4/1/2024

Released to Imaging: 12/20/2024 9:34:34 AN



Page 28 of 376

APPENDIX C TEMPORARY WELL C-4626 RECORDS



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

	ERAL / WELL OWNERSHIP:
State En	ngineer Well Number: C-4626
Well ow	Phone No.: 575-748-1838
Mailing	address: 6488 7 Rivers Hwy
City: A	<u>Intesia</u> State: <u>New Mexico</u> Zip code: <u>88210</u>
II. WE	LL PLUGGING INFORMATION:
1)	Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)
2)	New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23
3)	Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Shane Eldridge, Cameron Pruitt
4)	Date well plugging began: 6/13/2022 Date well plugging concluded: 6/13/2022
5)	GPS Well Location: Latitude: 32 deg, 2 min, 51.05 sec Longitude: 103 deg, 30 min, 37.08 sec, WGS 84
6)	Depth of well confirmed at initiation of plugging as:55 ft below ground level (bgl), by the following manner: water level probe
7)	Static water level measured at initiation of plugging:n/a ft bgl
8)	Date well plugging plan of operations was approved by the State Engineer:
9)	Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):
	OSE DII JUN 16 2022 PM3 10

Version: September 8, 2009

Page 1 of 2

Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging <u>Material Used</u> (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
-	0-10' Hydrated Bentonite	Approx. 15 gallons	15 gallons	Augers	
-				T.	
=					
	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	
_	J 9	r p p. o.u. r . g ame.no	, r gamene		
7					
	9				
_					
_					
- 100 miles			*		
-					
-				4	
_					
_					
_					
		MULTIPLY E	BY AND OBTAIN	OSEDI	T JUN 16 2022 PM3:10
		cubic feet x 7.4 cubic yards x 201.9	1805 = gallons		

III. SIGNATURE:

	Signature of Well Driller	Date
	6/16/2022	
Engineer pertaining to the plugging of wells are true to the best of my knowledge and beli	and that each and all of the statements in this Plugg ief.	ing Record and attachments
I, Jackie D. Atkins	, say that I am familiar with the rules	of the Office of the State

Version: September 8, 2009

Page 2 of 2

WR-20 Well Record and Log_2022-01-28-forsig

n

Final Audit Report

2022-06-16

Created:

2022-06-16

Ву:

Lucas Middleton (lucas@atkinseng.com)

Status:

Signed

Transaction ID:

CBJCHBCAABAApAW-UIYIfY0UGS_bPI8pUqTmmpvFzPqz

"WR-20 Well Record and Log_2022-01-28-forsign" History

- Document created by Lucas Middleton (lucas@atkinseng.com) 2022-06-16 5:02:48 PM GMT- IP address: 24.49.110.136
- Document emailed to Jack Atkins (jack@atkinseng.com) for signature 2022-06-16 5:03:41 PM GMT
- Email viewed by Jack Atkins (jack@atkinseng.com) 2022-06-16 5:05:11 PM GMT- IP address: 64.90.153.232
- Document e-signed by Jack Atkins (jack@atkinseng.com)

 Signature Date: 2022-06-16 5:05:53 PM GMT Time Source: server- IP address: 64.90.153.232
- Agreement completed. 2022-06-16 - 5:05:53 PM GMT

OSE DII JUN 16 2022 PM3:10





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WELL				DDRESS					1			STATI NM	88210	ZIP
AL AND	WELL	WELL LOCATION (FROM GPS) LATITUDE 32 2 51.06 N *ACCURACY REQUIRED: WGS DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RAISE NE NE NW Sec. 18 T26S R34S NMPM LICENSE NO. 1249 NAME OF LICENSED DRILLER Jackie D. Atkins DRILLING STARTED 6/9/2022 DRILLING ENDED 6/9/2022 DEPTH OF COMPLETED WELL (FT) Temporary Well DRILLING FLUID: AIR MUD ADDITIVES - SPECIFY: DRILLING METHOD: DRILLING METHOD: ROTARY HAMMER CABLE TOOL ORIGINAM (inches) DORIGH (include each casing string, and note sections of screen) DEPTH (feet bgl) BORE HOLE DIAM (inches) AMO AMO AMO DEPTH (feet bgl) BORE HOLE DIAM (inches) AMO AMO AMO DEPTH (feet bgl) BORE HOLE DIAM (inches) AMO AMO AMO DEPTH (feet bgl) BORE HOLE DIAM (inches) AMO AMO AMO DEPTH (feet bgl) BORE HOLE DIAM (inches) AMO AMO AMO AMO AMO AMO AMO AM									REQUIRED: ONE TEN	TH OF A	SECOND	
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]	NAME OF LICENSED		ckie D. Atkins								nc.
_	WELL LOCATION (FROM GPS) LONGITUDE 103 30 37.08 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec. 18 T26S R34S NMPM LICENSE NO. 1249 DRILLING STARTED 6/9/2022 COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HOLE SHALLOW (UNCONFINED) STATIC WATER LEVEL (FT) IN COMPLETED WELL IS: ARTESIAN DRY HAMMER CABLE TOOL OTHER – SPECIFY: Hollow Stem Auger (THECK HERE IF PITTLE INSTALLED) DEPTH (feet bgl) BORE HOLE DIAM (inches) GRADE DEPTH (feet bgl) BORE HOLE DIAM (inches) Steren) O 55 #6.5 Boring-HSA O 55 #6.5 Boring-HSA O 55 #6.5 Boring-HSA O 55 #6.5 Boring-HSA O 55 #6.5 Boring-HSA													
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INF							O/OR						SING WALL	SLOT
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LOC	ATION								WEL	L TAG ID	NO.		PAGE	1 OF 2

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TEST; RIG SUPER			28 Fi	8 ighting Okra 18 CTB	4		0	SE DI	JUN 16	2022	2 PM3:10
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5.1	Shane Eldri			,							
SIGNATURE	CORRECT I	RECORD O	F THE ABOVE I	DESCRIBED HOLE AN	BEST OF HIS OR HER KNO TO THAT HE OR SHE WII PLETION OF WELL DRII	LL FILE T					
6. SIGNA	Jack Atk	ins		Ja	ckie D. Atkins				6/16/20	022	
		SIGNAT	URE OF DRILLI	ER / PRINT SIGNEE	NAME				D	ATE	
FOI	R OSE INTER	NAL USE			_		WR-20 WE	LL RE	CORD & LC	OG (Ve	rsion 01/28/2022)
FIL	R OSE INTER E NO. CATION	NAL USE			POD NO.		WR-20 WE TRN NO.	LL RE	CORD & LC	OG (Ve	PAGE 2 OF 2



Page 34 of 376

APPENDIX D NMOCD CORRESPONDENCE

From: Bratcher, Michael, EMNRD

To: <u>Campbell, Laura</u>

Cc: <u>Harimon, Jocelyn, EMNRD</u>

Subject: RE: [EXTERNAL] Confirmation of constituents for oil based mud & water based mud releases

Date: Friday, March 31, 2023 3:28:22 PM

Attachments: <u>image002.png</u>

Good afternoon,

The constituents listed on Table 1 will be sufficient for these releases.

Thank you,

Mike Bratcher ● Incident Supervisor

Environmental Bureau
EMNRD - Oil Conservation Division
506 W. Texas Ave | Artesia, NM 88210
(575) 626-0857 | mike.bratcher@emnrd.nm.gov
http://www.emnrd.nm.gov/ocd_



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

Sent: Friday, March 31, 2023 1:06 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Confirmation of constituents for oil based mud & water based mud

releases

Jocelyn Harimon • Environmental Specialist

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

http://www.emnrd.nm.gov



From: Campbell, Laura < lcampbell@cecinc.com>

Sent: Friday, March 31, 2023 12:15 PM

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

Subject: [EXTERNAL] Confirmation of constituents for oil based mud & water based mud releases

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

Good afternoon,

I am with Civil & Environmental Consultants, and will be performing site characterization on two older spills in the next few weeks, one involving oil based mud and one involving water based mud. I wanted to clarify if there are additional constituents of concern that the OCD typically includes with either type of release, or if the constituents list on Table I of 19.15.29.12 NMAC are sufficient for site characterization and closure.

Thank you, Laura

Laura D. Campbell | Project Manager
Civil & Environmental Consultants, Inc.
700 Cherrington Parkway, Moon Township, PA 15108
direct 412.249.1547 office 412.429.2324 mobile 412.584.7176
www.cecinc.com



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From: Buchanan, Michael, EMNRD

To: <u>Campbell, Laura</u>; <u>Enviro, OCD, EMNRD</u>

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

Subject: RE: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour Notification

Date: Friday, June 2, 2023 9:42:47 AM

Attachments: <u>image002.ipq</u>

image003.png image004.png

Good morning,

Received.

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.

Respectfully,

Mike Buchanan ● Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 8801 Horizon Blvd. NE | Albuquerque, NM 87113

| michael.buchanan@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Campbell, Laura <lcampbell@cecinc.com>

Sent: Wednesday, May 31, 2023 2:25 PM

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

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<Robert.Hamlet@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour

Notification

Hello,

CEC will be collecting additional site characterization/delineation samples at the Fighting Okra 18 19 Fed31H pad. We plan to start work on Monday, June 5 around 10am.

Thanks, Laura

Laura D. Campbell | *Project Manager* Civil & Environmental Consultants. Inc.

700 Cherrington Parkway, Moon Township, PA 15108 direct 412.249.1547 office 412.429.2324 mobile 412.584.7176 www.cecinc.com



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

Sent: Friday, April 28, 2023 4:33 PM

To: Campbell, Laura < lcampbell@cecinc.com>

Cc: Bratcher, Michael, EMNRD < <u>mike.bratcher@emnrd.nm.gov</u>>; Hamlet, Robert, EMNRD

<<u>Robert.Hamlet@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour

Notification

Laura,

Please be aware that notification requirements are **two business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to insure inclusion in the project file.

JH

Jocelyn Harimon • Environmental Specialist

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

http://www.emnrd.nm.gov



From: Campbell, Laura < lcampbell@cecinc.com>

Sent: Thursday, April 27, 2023 11:20 AM

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

Cc: Valli, Bo < bvalli@cecinc.com>

Subject: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour

Notification

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

Good afternoon,

On behalf of Devon Energy, CEC will be conducting sampling at the site referenced above on Monday, May 1 beginning around 12pm. The sampling is primarily intended for site assessment/characterization, but notification is being provided in the event that no remediation is required and the samples are submitted as part of the closure report.

Please let me know if you any questions. Thank you, Laura

Laura D. Campbell | Project Manager
Civil & Environmental Consultants, Inc.
700 Cherrington Parkway, Moon Township, PA 15108
direct 412.249.1547 office 412.429.2324 mobile 412.584.7176
www.cecinc.com



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From: Wells, Shelly, EMNRD

To: Brittain, Brad; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Maxwell, Ashley, EMNRD

Subject: RE: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour Notification

Date: Friday, October 27, 2023 10:36:06 AM

Attachments: image001.png

Good morning Brad,

The OCD has received your notification. Notification requirements are **two full business days**, per rule. You may proceed on your schedule. This, and all correspondence, should be included in the closure report to ensure inclusion in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced Environmental Bureau EMNRD-Oil Conservation Division 1220 S. St. Francis Drive|Santa Fe, NM 87505 (505)469-7520|Shelly.Wells@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

From: Brittain, Brad <bri>bbrittain@cecinc.com>
Sent: Thursday, October 26, 2023 4:50 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>

Subject: [EXTERNAL] Devon Energy Fighting Okra 18 19 Fed31H Pad (nOY1807543780) - 48 Hour

Notification

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Hello,

CEC will be collecting additional site characterization/delineation samples at the Fighting Okra 18 19 Fed31H pad. We plan to start work on Monday, October 30 around 10am. My apologies, I'd typed these emails up this morning and thought I'd sent them.

Thanks.

Brad

Bradley Neal Brittain | Senior Project Manager Civil & Environmental Consultants, Inc.

(Please note new address)

4700 Gaillardia Parkway, Suite 101, Oklahoma City, OK 73142 office 405.246.9411 Ext 7617 direct 405.463.7617 mobile 405.815.7664 bbrittain@cecinc.com | www.cecinc.com

?

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Montgomery, Travis

From: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Sent: Wednesday, June 5, 2024 9:14 AM

To: Campbell, Laura Cc: Pike, Dan

Subject: RE: [EXTERNAL] Request for Sampling Variance - Incident ID NOY1807543780, Fighting

Okra 18 19 Fed31H (CEC 331-070)

Good Morning,

Your variance request to sample every 400 square feet has been approved. Please include this correspondence in any subsequent reports submitted to the OCD.

Thanks, Ashley

Ashley Maxwell • Environmental Specialist

Environmental Bureau Projects Group
EMNRD - Oil Conservation Division
1000 Rio Brazos Road | Aztec, NM 87110
505.635.5000 | Ashley.Maxwell@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found at https://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Campbell, Laura < lcampbell@cecinc.com>

Sent: Wednesday, June 5, 2024 8:11 AM

To: Maxwell, Ashley, EMNRD < Ashley. Maxwell@emnrd.nm.gov>

Cc: Pike, Dan <dpike@cecinc.com>

Subject: [EXTERNAL] Request for Sampling Variance - Incident ID NOY1807543780, Fighting Okra 18 19 Fed31H (CEC

331-070)

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

Good morning,

CEC would like to request a sampling variance for the Fighting Okra 18 19 Fed 31H March 2, 20218 release (Incident ID NOY1807543780). Depth to groundwater at the Site was determined to be greater than 51 feet bgs (based upon temporary well C-4626). The site is in a low karst potential area and the distances to the nearest flowing water course, wetland, private water source, etc. are greater than the distances specified in in Subsection C of 19.15.29.12 NMAC.

The site characterization sampling did not identify any areas that exceeded the standards on Table I (10,000 mg/kg chloride, 2,500 mg/kg total TPH, 1,000 mg/kg GRO+DRO, 50 mg/kg BTEX, or 10 mg/kg benzene), and no remediation is required. However, we identified an area of approximately 25,675 square feet (3,685 cubic yards) that will require reclamation at a later date (i.e. exceeds the reclamation criteria of 600 mg/kg for chloride, 100

mg/kg for total TPH, etc. in the upper four feet of soil). CEC proposes to collect confirmation soil samples from the area that will require reclamation at a later date using 5-point composite samples representative of 400 square feet, for a total of approximately 65 confirmation samples. Grab samples will be collected from wet or discolored areas, if identified during the confirmation sampling event.

If you need any additional information, please let me know. Thanks, Laura

Laura D. Campbell | Project Manager
Civil & Environmental Consultants, Inc.
700 Cherrington Parkway, Moon Township, PA 15108
direct 412.249.1547 office 412.429.2324 mobile 412.584.7176
www.cecinc.com



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From: <u>Maxwell, Ashley, EMNRD</u>

To: Pike, Dan

Cc: Valli, Bo; Campbell, Laura

Subject: RE: [EXTERNAL] Request for Sampling Variance - Incident ID NOY1807543780, Fighting Okra 18 19 Fed31H

(CEC 331-070)

Date: Thursday, August 15, 2024 6:07:55 AM

Attachments: imaqe001.pnq imaqe002.pnq

Good Morning,

Your sample variance has been approved. Please include this correspondence in subsequent reports.

Ashley Maxwell • Environmental Specialist Environmental Bureau Projects Group EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87110 505.635.5000 | Ashley.Maxwell@emnrd.nm.gov http://www.emnrd.state.nm.us/OCD/

Please be advised that the new Digital C-141 is live as of December 1, 2023. Please review the new Digital C-141 submission Dec 1, 2023 Guidance document posted on the EMRND Website prior to submitting any C-141s. The guidance documents can be found

at https://www.emnrd.nm.gov/ocd/ocd-announcements-and-notifications/orhttps://www.emnrd.nm.gov/ocd/ocd-forms/.

From: Pike, Dan <dpike@cecinc.com>

Sent: Wednesday, August 14, 2024 5:02 PM

To: Maxwell, Ashley, EMNRD <Ashley.Maxwell@emnrd.nm.gov>

Cc: Valli, Bo <bvalli@cecinc.com>; Campbell, Laura <lcampbell@cecinc.com>

Subject: [EXTERNAL] Request for Sampling Variance - Incident ID NOY1807543780, Fighting Okra 18

19 Fed31H (CEC 331-070)

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

Good evening, Ashley-

CEC would like to request a sampling variance for the Fighting Okra 18 19 Fed 31H March 2, 20218 release (Incident ID NOY1807543780). Depth to groundwater at the Site was determined to be greater than 51 feet bgs (based upon temporary well C-4626). The site is in a low karst potential area and the distances to the nearest flowing water course, wetland, private water source, etc. are greater than the distances specified in in Subsection C of 19.15.29.12 NMAC. CEC also requests a reporting variance to extend the current report submittal date until after the remedial excavation and sampling activities described below are conducted.

CEC conducted surficial soil sampling activities at the release area at 400 square-feet intervals on June 27, 2024 pursuant to an approved variance on June 5, 2024. Prior site characterization sampling did not identify areas that exceeded the remediation standards on Table I (10,000 mg/kg chloride, 2,500 mg/kg total TPH, 1,000 mg/kg GRO+DRO, 50 mg/kg BTEX, or 10 mg/kg benzene). Laboratory analytical results of the samples collected during surficial soil sampling on June 27, 2024 identified an area of approximately 6,800 square feet (approximately 125 estimated cubic yards) that will require remediation (i.e. exceeds the remediation standards identified above).

CEC proposes to oversee the remedial scraping and removal of impacted surficial soils where previous sampling results indicated exceedances of remediation closure criteria using 5-point composite samples representative of 400 square-feet. CEC anticipates the submittal of a deferral request to OCD for impacted surficial soil near identified utilities and subsurface facilities. Grab samples will be collected from wet or discolored areas, if identified during the confirmation sampling event. CEC is coordinating with Devon Energy's remediation team to schedule the scraping and sample collection activities promptly.

If you need any additional information, please let me know. Thanks,

Dan

Daniel Pike, P.E. | Assistant Project Manager Civil & Environmental Consultants, Inc. 11811 N. Tatum Blvd., Suite 3057, Phoenix, AZ 85028 direct 602.644.2183 office 602.760.2324 mobile 480.254.7967



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Searches

Districts:

Counties:

Operator Data

Hobbs

Lea

Hearing Fee Application

OCD Permitting

Home

Operator Data

Action Status

Action Search Results

Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID:

Operator:

Status:

Description:

387929

[6137] DEVON ENERGY PRODUCTION COMPANY, LP

DEVON ENERGY PRODUCTION COMPANY, LP [6137]

APPROVED

, FIGHTING OKRA 18 19 FEDERAL #031H

, nOY1807543780

,110110010401

Status Date: 09/27/2024

References (2): 30-025-43267, nOY1807543780

Forms

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)

nOY1807543780

Incident Name

NOY1807543780 FIGHTING OKRA 18 19 FEDERAL #031H @ 30-025-43267

Incident Type

Release Other
Initial C-141 Approved

Incident Status
Incident Well

[30-025-43267] FIGHTING OKRA 18 19 FEDERAL #031H

Location of Release Source

Site Name

Surface Owner

FIGHTING OKRA 18 19 FEDERAL #031H

Date Release Discovered

03/02/2018 Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

6,920

What is the estimated number of samples that will be gathered

10

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

10/01/2024

19.15.29.12 NMAC

Time sampling will commence

11:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

Travis Montgomery - Field Team Lead, Cell (918) 281-9663 Laura Campbell - Project Manager, Cell (412) 584 variance for composite samples of 400-sq ft approved by Ashley Maxwell, EMNRD, via email on 8/15/204.

					Searches	Operator Data	Hearing Fee Application
Acknowledgment	is						
This submission type of	does not have acknowle	edgments, at this time.					
Comments							
No comments found fo	or this submission.						
Conditions							
Summary:		Failure to notify the OC sure samples not being		ncluding any changes in (date/time per the req	uirements of 19.15.29.12	D.(1).(a) NMAC, may result in the
Reasons							
No reasons found for t	this submission.						
Go Back							
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Searches

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Operator Data

Action Status

Action Search Results

Action Status Item Details

[NOTIFY] Notification Of Sampling (C-141N) Application

Submission Information

Submission ID: 395

395305

[6137] DEVON ENERGY PRODUCTION COMPANY, LP

DEVON ENERGY PRODUCTION COMPANY, LP [6137]

, FIGHTING OKRA 18 19 FEDERAL #031H

, nOY1807543780

Status: APPROVED
Status Date: 10/23/2024

References (2): 30-025-43267, nOY1807543780

Forms

Operator:

Description:

This application type does not have attachments.

Questions

Prerequisites

Incident ID (n#)

nOY1807543780

Incident Name

NOY1807543780 FIGHTING OKRA 18 19 FEDERAL #031H @ 30-025-43267

Incident Type
Incident Status

Release Other
Initial C-141 Approved

Incident Well

[30-025-43267] FIGHTING OKRA 18 19 FEDERAL #031H

Location of Release Source

Site Name

Surface Owner

FIGHTING OKRA 18 19 FEDERAL #031H

Date Release Discovered

03/02/2018 Federal

Sampling Event General Information

Please answer all the questions in this group.

What is the sampling surface area in square feet

400

What is the estimated number of samples that will be gathered

_

Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of

10/28/2024

19.15.29.12 NMAC

Time sampling will commence

08:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers

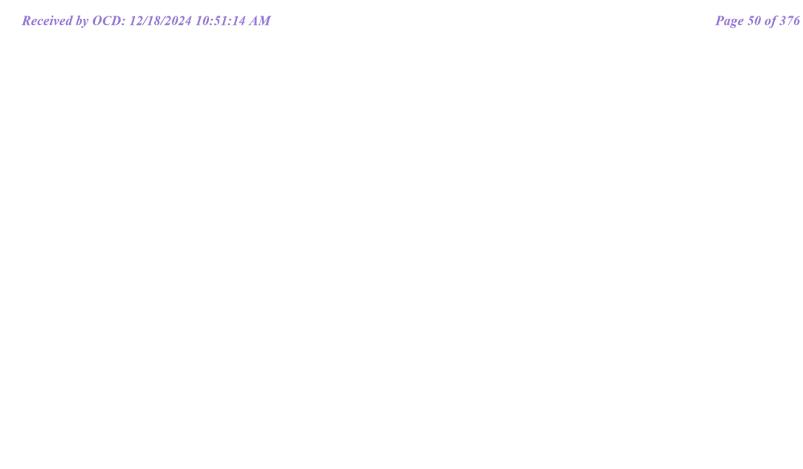
Please provide any information necessary for navigation to sampling site

Travis Montgomery - Field Team Lead, Cell (918) 281-9663 Laura Campbell - Project Manager, Cell (412) 584 Jal, NM, W on NM-128 W for 13.8 mi to Battle Axe Road (Rt. 2) L on Battle Axe Rd (Rt. 2) for 13.6 mi to Dinwid Dinwiddie Road for 2.3 mi R on unnamed access road (opposite Seawolf Fed 4H well pad) for 0.7 mi L onto ur

		Searches	Operator Data	Hearing Fee Application
This submission type doe	s not have acknowledgments, at this time.			
Comments				
No comments found for th	iis submission.			
Conditions				
Summary:	jraley (10/23/2024), Failure to notify the OCD of sampling events including any chremediation closure samples not being accepted.	nanges in date/time per the req	uirements of 19.15.29.12	D.(1).(a) NMAC, may result in the
Reasons				
No reasons found for this	submission.			
Go Back				

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APPENDIX E SOPS FOR FIELD SCREENING

06-03-02 FIELD CHLORIDE CONCENTRATION SCREENING IN SOIL SAMPLES

I. SCOPE AND APPLICABILITY: This procedure is used for estimation of chloride concentrations in soil samples.

II. PROJECT-SPECIFIC REQUIREMENTS

- A. SAMPLES TO BE SCREENED: Screening locations are described in the SQAPP.
- **B. MONITORING INSTRUMENTS:** Screening will be conducted using Quantab® chloride titrators (or equivalent).
- C. OTHER REQUIREMENTS: None

III. METHODOLOGY

- A. Place split soil sample in a stainless steel mixing bowl, remove rock fragments and organic material and completely homogenize with a stainless steel spoon.
- B. Using a portable battery operated scale, weigh 50 grams of soil and place into a plastic or glass container. Using a graduated cylinder, add distilled water to the container and shake for one minute or longer. In order to simplify the math, it is customary to add distilled water in quantities of either 50 mL (equivalent to 1 to 1 weight ratio of water to soil), 100 mL (equivalent to 2 to 1 weight ratio of water to soil), or 150 mL (equivalent to 3 to 1 weight ratio of water to soil). In highly cohesive soil, shaking may not completely disaggregate the soil. In this case, a gloved hand can be used to break up the soil to release the chloride from the soil provided that none of the soil and distilled water mixture splashes out of the container or is removed by cohesion to the glove. Once the soil is disaggregated, allow the sample mixture to settle so that heavy particles drop out.
- C. Insert the lower end of a low-range chloride Quantab® titrator (or equivalent) in the aqueous solution that contains the disaggregated soil. The reaction is complete when the moisture sensitive yellow band across the top of the titrator turns dark. The length of the white chloride column on the strip represents the titrator unit value. If the white chloride column reaches the top of the strip, the chloride concentration in the solution exceeds the low-range titrator. If this exceedance occurs, use a high-range titrator strip.
- D. Convert the unit value read on the titrator to chloride concentration in water in milligrams/Liter (mg/L) using the table provided on the titrator bottle. Multiply the chloride concentration in mg/L obtained from the table by the appropriate factor of 1, 2 or 3 based on the weight ratio of water to soil used in Section B. to calculate the chloride concentration in soil in milligrams per kilogram (mg/kg). Note that the soil chloride concentration calculated using this method is based on wet weight whereas laboratories typically report chloride concentrations in dry weight. The wet weight result is typically satisfactory for field screening. The wet weight soil chloride concentration reported using this method can be converted to a dry weight if the percent moisture content of the original soil sample is known. Simply multiply the calculated wet weight chloride result arrived at using this method by 1 + moisture content of the original soil sample.
- E. Using the remaining aqueous solution, collect field parameter measurements including total dissolved solids (TDS) and specific conductance.

06-03-02 Page 1 3/13

IV. PRECAUTIONS AND COMMON PROBLEMS

- A. If laboratory analysis is to be performed, the material submitted for laboratory analysis should be similar to the sample selected for field chloride screening.
- B. Turbid solutions will clog the capillary pores of the titrator and cause very slow or incomplete reactions.
- C. Each Quantab® lot is calibrated independently. The chloride concentration table on the bottle from which the strip was removed must be used as values may differ from those of other bottles.
- D. Dropping the titrator strip to the bottom of the container when taking readings should be avoided because the sediment on the bottom of the container often clogs the strip. It is customary to suspend the titrator strip off of the bottom of the container using a clothes pin or similar clipping device.
- V. DOCUMENTATION: Record the readings on the Field Screening Log.
- VI. REFERENCES: None.

06-03-01 ORGANIC VAPORS IN HEADSPACE OVER SOIL

I. SCOPE AND APPLICABILITY: This procedure is used to obtain field measurements of VOCs in the headspace above a soil sample.

II. PROJECT-SPECIFIC REQUIREMENTS

- A. SAMPLES TO BE SCREENED: Screening locations are described in the SI-QAPP.
- **B. MONITORING INSTRUMENTS:** Screening will be conducted using a photoionization detector (PID) with a 10.6 eV lamp.
- **C. OTHER REQUIREMENTS:** PID is to be calibrated daily in the field with proper documentation. calibration records will be maintained on the daily field activity log.

III. METHODOLOGY

- A. Use the non-viable split when performing field screening.
- B. Break up cohesive samples inside the ziplock bag to expose additional surface area.
- C. Allow to stand for at least 15 minutes. If temperatures are below 40 F, keep the samples in a warm place. Do not leave the samples in direct sunlight during hot weather.
- D. To take the headspace reading, open the seal just enough to insert a probe, slip the probe in, and record the initial reading.

IV. PRECAUTIONS AND COMMON PROBLEMS

- A. This screening does not replace any monitoring required by the Site Health and Safety Plan.
- B. Do not expose samples to extreme temperatures.
- V. **DOCUMENTATION:** Record the results of field screening along with ambient conditions on the Field Screening Log.
- VI. REFERENCES: None.

06-03-01 Page 1 11/95

06-03-02 FIELD CHLORIDE CONCENTRATION SCREENING IN SOIL

 SCOPE AND APPLICABILITY: This procedure is used for estimation of chloride concentrations on aqueous extracts prepared from soil samples.

II. PROJECT-SPECIFIC REQUIREMENTS

- A. SAMPLES TO BE SCREENED: Screening locations are described in the SQAPP.
- **B. MONITORING INSTRUMENTS:** Screening will be conducted using Quantab® chloride titrators (or equivalent).
- C. OTHER REQUIREMENTS: None

III. METHODOLOGY FOR WATER

- A. Place the water sample into a container.
- B. Insert the lower end of a low-range chloride Quantab® titrator (or equivalent) in the aqueous solution. The reaction is complete when the moisture sensitive yellow band across the top of the titrator turns dark. The length of the white chloride column on the strip represents the titrator unit value. If the white chloride column reaches the top of the strip, the chloride concentration in the solution exceeds the low-range titrator. If this exceedance occurs, use a high-range titrator strip.
- C. Convert the unit value read on the titrator to chloride concentration in milligrams/Liter (mg/L) using the table provided on the titrator bottle.

IV. METHODOLOGY FOR SOIL

- A. Place split soil sample in a stainless steel mixing bowl, remove rock fragments and organic material and completely homogenize with a stainless steel spoon.
- B. Using a portable battery operated scale, weigh 50 grams of soil and place into a plastic or glass container. Using a graduated cylinder, add 100 milliliters (mL) of distilled water to the container and shake for one minute or longer. Allow the sample mixture to settle so that heavy particles drop out.
- C. Insert the lower end of a low-range chloride Quantab® titrator (or equivalent) in the aqueous solution. The reaction is complete when the moisture sensitive yellow band across the top of the titrator turns dark. The length of the white chloride column on the strip represents the titrator unit value. If the white chloride column reaches the top of the strip, the chloride concentration in the solution exceeds the low-range titrator. If this exceedance occurs, use a high-range titrator strip.
- D. Convert the unit value read on the titrator to chloride concentration in milligrams/Liter (mg/L) using the table provided on the titrator bottle. Multiply the chloride concentration in mg/L obtained from the table by two (2) to calculate the chloride concentration in soil in milligrams per kilogram (mg/kg).
- E. Using the remaining aqueous solution, collect field parameter measurements including total dissolved solids (TDS) and specific conductance.

06-03-02 Page 1 3/13

V. PRECAUTIONS AND COMMON PROBLEMS

- A. If laboratory analysis is to be performed, the material submitted for laboratory analysis should be similar to the sample selected for field chloride screening.
- B. Turbid solutions will clog the capillary pores of the titrator and cause very slow or incomplete reactions.
- C. Each Quantab® lot is calibrated independently. The chloride concentration table on the bottle from which the strip was removed must be used as values may differ from those of other bottles.
- VI. DOCUMENTATION: Record the readings on the Field Screening Log.
- VI. REFERENCES: None.

Table of Contents

Introduction to the PetroFLAG Hydrocarbon Analysis System	3
Using the PetroFLAG System	5
Choosing the Correct Response Factor	5
Analyzing High Concentration Samples	6
Converting Response Factors for Data Already Collected	6
Temperature Effects on Measurements	6
Effects of Soil Water Content on PetroFLAG Result	7
Sample Preparation	8
Calibration	8
Preparing Blanks and Standards	8
QA/QC	8
The PetroFLAG Test Procedure	10
Analyzer Operation	11
Selecting a Calibration Curve	11
Reading the Blank and Standard	12
Taking a Reading	12
Power Requirement	12
Analyzer Operation Examples	13
Standard Operation	13
Standard Operation - Changing Response Factor Without Recalibrating	13
Standard Operation With Recalibration	14
Special Operating Conditions	15
Replacing Battery	15
Operation of the Meter After the Battery Has Been Disconnected	15
Meter Left to Turn Off in Other Mode	15
Helpful Suggestions and Safety Precautions	16
Appendix A: PetroFLAG Response Curves	18
Appendix B: Comparison with Laboratory Methods	19
Appendix C: Determining the Response Factor for Hydrocarbons Not Listed in Table 1	20
Appendix D: Error Conditions	21
Appendix E: Meter Specifications	22
Meter Warranty	23

PetroFLAG is a registered trademark of Dexsil Corporation, US Patents 5,756,357 & 5,928,950 and $\,$ 6,117,682 $\,$ Ver.1 Rev. 1 $\,$ 04/09

Introduction to the PetroFLAG® Hydrocarbon Analysis System

NOTE: PLEASE READ THE ENTIRE MANUAL BEFORE ATTEMPTING TO RUN THIS TEST

The PetroFLAG hydrocarbon analysis system is a broad spectrum field analytical tool suitable for any type of hydrocarbon contamination regardless of the source or state of degradation¹. Unlike other field screening methods, the PetroFLAGsystem does not target specific compounds such as BTEX (Benzene, Toluene, Methylbenzene and Xylene) or PNAs (Poly-Nuclear Aromatics) that may be part of some hydrocarbon mixture. This makes the PetroFLAG system a very versatile analytical method that can be used on most hydrocarbon spills without prior knowledge of the BTEX or PNA content of the contaminant. The PetroFLAG system uses patented chemistry to respond to the broadest range of hydrocarbons possible. The PetroFLAG system is most sensitive to heavier hydrocarbons such as oils and greases and less sensitive to the lighter more volatile hydrocarbon fuels. The specially designed PetroFLAG analyzer allows the user to select, in the field, the response factor that is appropriate for the suspected contaminant at each site. The response factors for a number of contaminants are listed in Table 1. Using the selected response factor, the analyzer compensates for the relative response of each analyte and displays the correct concentration in ppm. The response curves for some typical hydrocarbon contaminants are plotted in Appendix A.

All chemical methods for hydrocarbon analysis in soil that are currently in use, whether they be field screening or laboratory methods, depend on solvent extraction to remove the hydrocarbons from the soil sample. The extraction efficiency for each method is a function of the solvent used and the extraction procedure. This efficiency is also dependent on

many other factors such as the soil type, water content, pH, etc. Many EPA SW-846 methods use chlorinated solvents or Freon as extraction solvents. These solvents were originally chosen for their extraction efficiency of polar organic compounds and may not be appropriate for hydrocarbons. Furthermore, special measures need to be taken with these lab methods when the soil is wet.² The extraction efficiencies may be as low as 1% in some cases.

The extraction solvent used in the PetroFLAG system has been carefully developed to give consistent extraction efficiencies over the range of soil types and conditions most commonly encountered in the field. The PetroFLAG solvent system contains no chlorofluorocarbons or chlorinated solvents. The extraction efficiency is unaffected by soil moisture and, in most cases, is up to 15%(w/w).

Because the PetroFLAG system has such a broad response spectrum, there are situations where it will indicate a higher hydrocarbon concentration than other methods. This can be due to the higher extraction efficiency of the PetroFLAG extraction solution or the broader response range of the detection system. SW-846 method 8015B, for example, targets only a very narrow range of

¹Brake fluid, phosphate ester based hydraulic oil, and other soluble fluids, will not be detected by the PetroFLAG system.

²USEPA SW846 Method 3550A Ultrasonic Extraction Rev 1, November 1992

³Lee, W.E. III, Houchin, C.A. and Albergo, N., "TRPH Discrimination of Petroleum and Nonpetroleum Organic Materials", *American Environmental Lab*. December 1993.

⁴The presence of water will cause a dilution effect resulting in a lower response. This effect can be corrected for, if the water content is known. (For a more complete discussion see "Using the PetroFLAG System: Effects of Soil Water Content on PetroFLAG Result")

hydrocarbons typically in the "Diesel" or "Gasoline" range (DRO or GRO). This method does not detect oils or greases unless the analyst changes the method and specifically looks for the heavier compounds. Requesting 8015B for diesel range hydrocarbons may result in under reporting of the actual total hydrocarbon contamination when oils or greases are present. Method 418.1 is a more general method and detects any Freon extractable compounds that contain a C-H bond. This method has relatively poor extraction efficiencies with many soil types. For a more complete discussion of the comparability of hydrocarbon methods see Appendix B.

Since the PetroFLAG system responds to the full range of hydrocarbons it will also detect some naturally occurring hydrocarbon-like compounds. (Method 418.1 uses a silica column to remove some of these compounds, but will still detect naturally occurring terpenes and creosotes, etc.) Therefore, in situations where high organic content is suspected, background levels outside the spill site should be determined. This will help to identify any naturally occurring sources of hydrocarbons that may cause a positive interference with the test. In cases where there exists a high natural organic background, a "Background Correction" can, in limited circumstances, be used to correct readings for this positive interference. Note: Because of the broad spectrum screening nature of the test, naturally occurring waxes and oils can cause high readings; however, false negatives or under-reported levels are very unlikely.

The PetroFLAG system is a valuable field analytical tool when used as part of a systematic sampling plan. As part of any site work, always have the hydrocarbon contamination characterized at some point during the project by for example, sending confirmation samples for closure to a certified laboratory. Since each laboratory method for petroleum hydrocarbons has a different target analyte and different response characteristics, use only appropriate methods for comparison. Furthermore, since the proficiency of laboratory methods for petroleum hydrocarbons varies from one laboratory to another; it is important to verify that the lab you use is proficient with the method you request. Always ask for QA/QC data and verify that the blanks, duplicates and spikes are within

specification for the method. When using a lab that is new to you, send them proficiency samples of known concentrations and varying water content.

Lab results often contain one or more samples that are designated "ND" (none detected) without a qualifier. This type of reporting is misleading because information on the limit of quantification is not included. The designation "ND" never means zero ppm and should be followed by an indication of the detection limits of the method used to obtain the result, e.g., ND<40 ppm. In many cases the detection limits for a method will vary with sample size, dilution factors or extraction procedures and may not be the same for all samples in the sample batch. The detection limits for some of the common lab TPH methods are on the order of 40-50 ppm. Therefore, when comparing laboratory data it is important to know the realized detection limits implied in any "ND" results.

Using the PetroFLAG System

The PetroFLAG analyzer has been specifically designed to be used with the unique patented chemistry of the PetroFLAG system. The meter is shipped fully calibrated, preset with response factor 5. This calibration is sufficient to begin screening

measurements; however, in order to achieve optimum performance we recommend that the analyzer be calibrated with each batch of samples, or at least daily. The PetroFLAG analyzeris easy to calibrate and a calibration standard is included with every refill pack.

The PetroFLAG analyzer stores two independent calibration equations in separate memory locations. Each calibration has a unique designation, "1C" or "2C". One way to effectively use this feature is to use one for a "low temp." calibration and one for a "high temp." calibration. This practice is very useful when working at field locations where the ambient temperature varies by more than 10°C over the course of the day. One calibration, run at the lower temperature in the morning, could be stored under "1C" and later as the temperature rises, triggering a temperature warning, a new calibration can be run and stored under "2C". (See below under "Temperature Effects")-

Choosing the Correct Response Factor

The microprocessor in the PetroFLAG analyzer uses the calibration data to convert the optical reading into a preliminary concentration. The selected

> response factor is then used to calculate the correct concentration for the analyte of interest. Therefore, it is important to choose the response factor that is appropriate for the particular hydrocarbon or class of hydrocarbons present at the site. The response factor can be changed at any time without affecting the stored calibrations. (See "Analyzer Operation Examples: Standard Operation-Changing Response Factor Without Recalibrating")

> > If the contaminant is known or suspected, choose the appropriate response factor from Table 1 and set that response factor on the analyzer. (See "Analyzer Operation" below.) there is a mixture of hydrocarbons, use the most conservative response factor (i.e. the lowest) for contaminants known to be present. If the contaminants

unknown, choose a conservative response factor based on those hydrocarbons that are likely to be on the site. Examination of Table 1, indicates that the majority of typical contaminants are in response category 5 or above.

Table 1: Response Factors and Method Detection Limits for Common Hydrocarbons

Hydrocarbon Type	Method Detectio n Limit (ppm)	Response Setting
Transformer Oil	15	10
Grease	15	9
Hydraulic Fluid	10	8
Transmission Fluid	19	8
Motor Oil	19	7
#2 Fuel Oil	25	7
#6 Fuel Oil	18	6
Diesel Fuel	13	5
Gear Oil	22	5
Low Aromatic Diesel	27	4
Pennsylvania Crude Oil	20	4
Kerosene	28	4
Jet A	27	4
Weathered Gasoline	200*+	2

^{*}See Appendix A

⁺Due to the non-linear response curve of Gasoline, quantification below 1000 ppm may underestimate the true contamination

Analyzing High Concentration Samples

The PetroFLAG Hydrocarbon Analyzer is preprogrammed to warn the user of an over-range condition. If the over-range reading is outside of the linear range (± 10 precision), but still within the quantifiable range (±20% precision), the reading will be displayed blinking. This reading can be used as an indication that the concentration in the sample is not less than the displayed value. Since the response curve for most analytes is non-linear at high concentrations, the concentration in the sample may be higher than the displayed value. If the over-range condition is outside of the quantifiable range of the meter, the display will show a blinking "EEEE". Either error indication can be cleared by simply inserting the next vial and pressing the <READ/ON> key.

Accurate results can be difficult to obtain when 10 gram soil samples with high contaminant concentrations are used since they may cause a over-range condition on the PetroFLAG analyzer. To quantify these high contaminant samples, extract fresh soil samples of 1 gram size and reanalyze. Then multiply the result by 10 to obtain the concentration in the sample. Using this procedure, it is possible to measure oils containing up to 50,000 ppm of light hydrocarbon contamination or 10,000 ppm of a heavier hydrocarbon. For readings at higher concentrations, a "high range kit" is available.

<u>NOTE</u>: The use of either smaller samples or "high range kits" will affect the precision and accuracy of the method as well as raise the MDL (<u>M</u>inimum <u>D</u>etection <u>L</u>imit) in proportion to the dilution factor.

Converting Response Factors for Data Already Collected

Collected data can be easily converted to the correct reading when it has been determined that the wrong response factor has been used. To make this conversion, multiply the measured value by the response factor initially used to make the measurement and divide by the new response factor.

Temperature Effects on Measurements

The PetroFLAG analyzer is equipped with an onboard temperature sensor to measure the ambient temperature while measurements are being made. The software uses the temperature readings to correct the optical readings for drift caused by the temperature fluctuations. The corrections have been determined for their effects on the turbidity development and the temperature drift of the electronics.

The PetroFLAG analyzer can be used at temperatures from 4°C to 45°C. The temperature corrections are valid for temperatures within 10°C of the calibration temperature. If a calibration is run with each batch of samples, the temperature correction is not significant and measurements can be made at any temperature within the usable range of the instrument. However, if no calibration is run and the ambient temperature deviates from the calibration temperature by more than 10°C, an error condition will result. The analyzer will display "Err4" which can only be cleared by pressing the <NEXT> key. Pressing of the <NEXT> key will clear the error and display the current reading. This reading can be recorded but it should be noted that the ambient temperature was outside of the acceptable 10°C window. Any other samples remaining in the series can be read, however, the same error condition will most likely occur. The meter must be recalibrated to eliminate this error condition.

The ambient temperature should be checked before starting to avoid a temperature error when a calibration is not run with the samples.. This can be

done by taking a reading without inserting a vial into the meter. If a reading is displayed, the temperature is within range and additional readings can proceed. If an error is displayed, the meter must be recalibrated before proceeding.

As previously mentioned, the storage of two calibrations, each at a different temperature, will reduce the number of recalibrations necessary as the temperature changes. If the two calibrations are stored under "1C" and "2C" and are run at temperatures levels 20°C apart, the effective temperature range for measurements now becomes 40°C.

Effects of Soil Water Content on PetroFLAG Result

The presence of water in a soil sample will have a definite effect on the reporting value in the final PetroFLAG result. As with all field measurements, the PetroFLAG system result is calculated based on the sample weight "as received". If there is water present in the sample, this will produce a "wet weight" result causing an apparent under reporting by the PetroFLAG technique when compared to a laboratory reporting on a "dry weight" basis.

To correct for the difference between "wet weight" vs. "dry weight" results, simply divide the PetroFLAG value by the "fraction solids" (FS), where fraction solids is:

$$FS = Dry Weight/Wet Weight$$
 or:
$$FS = (100 - \%water)/100$$

Furthermore, when reporting the wet weight vs. dry weight results, the presence of water in a soil sample will cause a "dilution effect". Since the PetroFLAG solvent system is miscible with water, the water in the soil will be extracted into the solvent phase. The aliquot filtered into the developer vial will, therefore, be diluted by the presence of the water. To a first approximation, the correction for this "dilution effect" is made by multiplying the PetroFLAG result by one plus the "fraction water" in the sample, R'=R(1+FW), where fraction water (FW) is:

FW=(Wet Weight - Dry Weight)/Wet Weight or:

FW = % water/100

The equation below can be used to achieve an overall correction that includes both the conversion of the PetroFLAG result to a "dry weight" value and the correction for the dilution effect:

$$R'=R((2/FS) - 1)$$

where:

R' = "Dry Weight" Corrected Result

R = Result displayed by PetroFLAG unit

FS = Fraction Solids

where:

FS = (100 - % water)/100

The above correction is applicable for typical soil types containing up to approximately 15% water by weight. For heavy clays or samples with higher water content, the effect of water content will vary with the analyte and should be determined specifically for each site.

In many cases, the effects of water content can be overcome by using a smaller sample size. This approach is the simplest and can be used effectively when a reduction in precision resulting from a smaller sample size still satisfies the overall data quality objective.

In some soils with high water content, the PetroFLAG response will be reduced both by the poor extraction efficiency of the analyte and a simple dilution. In these soils, the effect of water content on the extraction efficiency can sometimes be reduced by the addition of anhydrous sodium sulfate.

To treat such soils with sodium sulfate, weigh out the appropriate amount of soil sample (10 grams for a standard analysis) followed by the addition of up to 10 grams of anhydrous sodium sulfate. Mix the system thoroughly by stirring and/or shaking the sample until a free-flowing mixture is formed. Add the extraction solvent from a break-top ampule and then, follow the standard analysis procedure.

Treatment with sodium sulfate can improve the extraction efficiency, but will not correct for either the dilution effect or the wet weight/dry weight reporting error. The actual water content in the sample should be determined at some point so that the above corrections for wet weight and the dilution effect can be applied to the final result.

Sample Preparation

Each 10-pack of soil reagents contains reagents and supplies for 10 tests. In addition, one blank and one calibration standard are included. Samples can be run individually or by batch. For optimum performance and throughput, samples should be run in groups of 10 samples, once the meter has been calibrated with a blank and a standard. The meter does not need to be recalibrated, provided that the operating conditions and reaction times are maintained. Total time to analyze 10-15 samples is approximately 20-25 minutes.

Calibration

To insure accurate quantification and repeatable results, it is recommended that the PetroFLAG meter be recalibrated with each batch of 10 samples or, at least, daily. The meter is easily calibrated using an extraction solvent ampule as a blank and the calibration standard (supplied with each ten-pack of reagents).

After exiting the calibration mode, all additional readings made by the PetroFLAG analyzer will automatically incorporate the selected response factor. Therefore, rereading of the calibration standard will result in an incorrect reading unless the response factor being used is 10 and within the correct development time of the sample.

<u>NOTE</u>: Once the *blank* and *calibration standard* have been read, discard them. They will fade with time and cannot be reused; DO NOT USE THEM TO RECALIBRATE THE METER OR TO CHECK THE EXISTING CALIBRATION.

Preparing Blanks and Standards

The following description summarizes the procedure for preparing the blank and calibration standard.

Read the step-by-step instructions below completely before beginning the calibration process.

To prepare a blank and a calibration standard, first label two soil tubes, one as the "blank" and the other as the "standard". Add to the blank tube the contents of a break-top ampule labeled "Extraction Solvent". Add the contents of the break-top ampule labeled "Calibration Standard" to the standard soil tube. Process the blank and standard exactly as soil samples as described below. (See "The PetroFLAG Test Procedure")

QA/QC

Performing periodic calibrations of the PetroFLAG meter is one of the most important quality control checks that can be made. In addition to calibrating the PetroFLAG meter, performance of periodic calibration also serves as a quality control check of the entire analysis system. Each time a calibration is performed the individual operator needs to prepare a fresh set of standards following the entire analysis procedure. To complete a valid calibration, the resulting test standards must meet the QC acceptance criteria stored in the meter. Each time a calibration is carried out, the meter verifies if the operator is performing the test correctly, e.g., following the correct order of steps in sample preparation, holding to the timing requirements, operating the meter correctly, etc. while the meter checks its basic operation. As each calibration is made, the intensity of the test solution is compared to the stored values for acceptance. If the optics have degraded or the electronics are out of specification the calibration will be flagged as an

The most important factor affecting the accuracy of PetroFLAGmeasurements is operator error followed by the ambient temperature determination. If the temperature varies by more than 10°C from the calibration temperature, the accuracy of the resulting measurement will be affected. Therefore, during each measurement made by the meter, the current ambient temperature is compared to the temperature determined at calibration. If the difference is more than 10°C, a warning is flashed alerting the operator of the temperature drift. This QC check is transparent to the user unless an error condition exists.

The internal check of the optical system is also transparent to the user. The PetroFLAG meter is designed with two independent optical channels. If, during a measurement, both channels do not agree, an error condition will be generated.

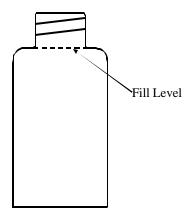
Along with these QC checks, which are performed automatically by the PetroFLAG meter, additional QA/QC procedures should be developed to provide assurances that the data quality objectives for each project are met. The most important part of any SOP (Standard Operating Procedure) should include provisions for ensuring that confirmatory samples are sent to a qualified lab for verification as to the type of hydrocarbon contamination present. This will also serve as a check of the response factor being used. When PetroFLAG meter results are determined to be either high or low when correlated to laboratory data, then a new response factor should be calculated and used. If the PetroFLAG results are not well correlated with the lab, then the field techniques should be examined to determine possible sources of error. A lack of correlation may be the result of inhomogeneous samples or may be due to splitting technique, etc.

A program of field QA/QC should be developed that is compatible with the competing requirements of each user. It should include, a minimum of periodic soil blanks, equipment blanks, soil spikes, and dupes. Other procedures should be implemented depending on the specific requirements of each site.

The PetroFLAG Test Procedure

- 1) Label the soil extraction tubes (plastic tubes with colored caps) and developer vials (small glass vials with black caps) with the appropriate sample ID. Use the self-adhesive labels to label the screw cap of the developer vial. Do not write in the center 1/3 of the developer vial as this may obscure the optical path when the readings are made
- 2) Weigh 10 grams (± 0.1 gram) samples of all unknown soils into each of the labeled color-capped polypropylene tubes.
- 3) Set timer for 5 minutes. Add one break-top ampule of extraction solvent (blue polypropylene top) to the first tube. Start 5 minute timer and shake for 15 seconds. A separate ampule of extraction solvent is added to each of the remaining sample tubes when additional samples are being analyzed. Shake each tube for 15 seconds ensuring that the soil samples are fully wet. Shake each tube intermittently for a total of 4 minutes, then allow each tube to stand for the remaining 1 minute.
- 4) Verify that the filter disk is firmly attached to the syringe barrel. Remove the cap from the first labeled developer vial. Carefully decant the liquid from the polypropylene soil tube into the syringe barrel minimizing the transfer of soil particles, as this may plug the filter. Insert the plunger into the syringe barrel. Discard the first few drops from the filter into a waste container by pressing the plunger. Next, add the soil extract drop-wise to the developer solution until the meniscus just enters the neck of the vial (see figure). Shake the vial for 10 seconds, start the 10 minute timer and proceed to the next sample. Read the samples as close to the 10 minute time period as possible. Record this reading. Do NOT attempt to reread the sample as sample variation will occur due to fading of the solution over time. Do not let the developer vials stand longer than 20 minutes before reading, as this may result in lower than actual values.

- 5) If meter is off, turn on the meter by pressing <READ/ON> key and calibrate (optional, see Analyzer Operation).
- 6) To read, wipe the vial, place into the meter and press the <READ/ON> key. Be sure that the outside of the vial is clean before reading. Record result on work sheet. Read vials in the same order as they were prepared.



6 mL Developer Vial

Analyzer Operation

The PetroFLAG analyzer is controlled by a low-power consumption micro-computer with a pre-loaded operating program which is stored in EEPROM memory. The program cannot be lost regardless of battery condition. The meter stores two calibration curves in separate memory locations. These calibration curves can be independently updated and the response factors can be changed without losing the calibrations.

The PetroFLAG meter is configured to allow easy access to the program modes. The currently active mode is indicated on the LCD display while a reading is in progress. The response factor and the active calibration can be changed from the MAIN MENU using the fourkeys on the keypad. The four keys are:

SCROLL

Scrolls through menu choices.



Exits the read mode or skips a menu option without changing or executing. (Also used to clear error conditions.)



Turns the meter on and starts a reading.



Selects a menu choice. Manually turns meter off (only in the *read* mode).

When the PetroFLAG analyzer is turned on, the unit will return to the last mode it was in prior to being shut down. Under normal operating conditions, the analyzer will power up in the *read* mode. When the analyzer powers up in the *read* mode, the screen will display the last measured value for two seconds, and then, display the currently selected calibration curve ("1C" or "2C") and response factor (1-15). The meter is now ready to resume measurement. Simply insert a new sample vial into the meter and

push the <READ/ON> key. The display will initially indicate the calibration curve (either "1C" or "2C") and the response factor (1-15) that is currently selected. Next, the term "CALC" will flash on the screen and after 5 seconds, the measured concentration in ppm will be displayed.

<u>NOTE</u>: If the battery is disconnected and then reconnected, the meter will automatically return to the MAIN MENU. If the calibration curve and response factor displayed are the desired parameters, the MAIN MENU can be exited while retaining the calibration data by pushing the <NEXT> key. To return to the *read* mode, continue pressing the <NEXT> key until the display shows the calibration curve and the response factor continuously without blinking.

If you wish to exit the *read* mode, push the <NEXT> key and the operation is returned to the MAIN MENU. The <NEXT> key is also used to skip a step where a menu selection is required. To change a flashing menu option, push the <SCROLL> key while the option is flashing. To store the currently flashing menu choice, push the <SELECT> key. This stores the current choice and moves the flashing cursor to the next program mode.

Selecting a Calibration Curve

Either of the two calibration curves, identified as "1C" and "2C", can be selected from the MAIN MENU. From either calibration curve any response factor can be selected. To change the response factor or to recalibrate the unit, use the <NEXT> key to enter the MAIN MENU screen. Immediately upon entering this menu three decimal points and the response factor are displayed. Next, the first two characters on the screen indicates the calibration curve that is currently selected ("1C" or "2C") is displayed. They will blink, indicating that a new curve may be selected. Use the <SCROLL> key to scroll to the next calibration curve. Push the <SELECT/OFF> key to select the curve.

The response factor will then blink. Use the <"SCROLL> key to scroll to the desired response factor for the target analyte and press the <SELECT/OFF> key.

Reading the Blank and Standard

After the response factor has been selected, the screen will read "CALC" for five seconds and then display the calibration temperature. temperature will remain on the screen until either the <NEXT> key or the <READ/ON> key is pressed. The screen will then prompt you for the "blank" vial by displaying "-bL-". Insert the blank vial in the meter and press the <READ/ON> key (See "Preparing Blanks and Standards" under "Using the PetroFLAGHydrocarbon Analysis System). After 5 seconds the screen display should read "0" for 2 seconds. The screen will then prompt for the calibration standard, "-CSd". Insert the calibration standard in the meter, press the <READ/ON> key and after 5 seconds, the calibration is complete. The meter will then re-read the calibration standard to verify a valid calibration and display "1000". If the concentration of the calibration standard is not correct using the newly calculated equation, an error message will flash until the <NEXT> key is pushed. If an error condition exists, the previously stored calibration constants will be retained until a valid calibration is completed (See Appendix C, Table 1: Error Conditions).

Taking a Reading

After calibration, the meter will then display the calibration curve in use ("1C" or "2C") and the current response factor selected. The meter is ready to read the first sample by inserting the sample vial into the meter and pressing the <READ/ON> key. After reading the sample, the meter will display the concentration in parts per million (ppm) until either the <READ/ON> key or the <NEXT> key is pushed. If no key is pushed for a period of five minutes, the meter will turn off automatically. If the meter turns off automatically, the meter can be reactivated by pressing the <READ/ON> key and the unit will return to the operation mode last used. The meter can be turned off manually by using the <SELECT/OFF> key, while in the *read* mode only.

The optical system on the PetroFLAG analyzer is covered with a screw cap to keep out stray light. To remove this screw cap from the vial holder, simply unscrew it 1/4 of a turn counter-clockwise. To make a measurement, insert the developer vial into the

unit, place the screw cap over the vial, and while pressing down on the cap (depressing the spring in the bottom of the vial holder), rotate the cap clockwise. Turn the cap until it is snug, but do not over-tighten.

Power Requirement

The PetroFLAG analyzer is powered by one 9V alkaline battery (included). This battery should last for several thousand readings. If a low battery condition exists "LP" will appear on the display.

Analyzer Operation Examples

Outlined below are step-by-step examples of how to use the PetroFLAG analyzer. Under normal operating conditions the meter will power up in the *read* mode. The examples given here categorized as "standard operation" assume that the meter was last operated in the *read* mode. If the meter was left in another mode for longer than five minutes or the batteries were removed, see below for special cases.

Standard Operation:

(Whenever the last operation mode was *read*, the calibration data is current and the last-used response factor is valid.)

1) Turn the meter on by pressing:



The last reading will be displayed for 2 seconds. The display will show the calibration curve and response factor currently selected. The meter is now in the *read* mode.

- 2) Remove the screw cap, insert developer vial to be read and retighten cap.
- 3) To begin reading press:



The display will show the calibration curve and response factor currently selected (blinking), the display will read "CALC" for 3 seconds, and the final result will be displayed.

4) The result will be displayed until the next reading is taken. To make the next reading: remove the vial and repeat steps 2 and 3 above.

Standard Operation/Changing Response Factor Without Recalibrating:

(Whenever the last operation mode was *read* and a different response factor is desired.)

1) Turn the meter on by pressing:



The last reading will be displayed for 2 seconds. The display will show the calibration curve and response factor currently selected. The meter is now in the *read* mode.

2) Return the operation to the MAIN MENU by pressing:



Three decimal points will be displayed along with the current response factor. The calibration curve designation will begin blinking.

3) The response factor entry mode is activated by pressing:



The response factor will begin to blink indicating that it may be changed.

4) Scroll to the desired response factor by pressing:



The next response factor will be displayed. Continue pressing the <SCROLL> key until the desired response factor is displayed. (Response factors scroll in descending order, i.e., 15-1)

5) When the desired response factor is reached, select it by pressing:



The new response factor has been selected. The meter will calculate and display the current temperature.

6) Move to the next screen by pressing:



The meter will prompt for the blank to be entered and the calibration procedure to begin by displaying "-bL-".

7) Skip this calibration procedure and move directly to the *read* mode, saving the new response factor but not recalibrating, by pressing (This exits the calibration mode without affecting the current calibration data):



The meter will display the current calibration curve and the selected response factor and is ready to read a sample using the new response factor.

8) Proceed with the reading of a sample by following the above procedure for "Standard Operation" beginning at step 2.

Standard Operation With Recalibration:

(Where the last operational mode was the *read* mode and the meter is to be recalibrated.)

Prior to performing this calibration procedure, prepare the *blank* and *standard* as described in the manual under "Using the PetroFLAG Hydrocarbon Analysis System-Preparing Blanks and Standards". They may also be prepared along with the unknown samples in order to save time.

1) Turn the meter on by pressing:



The last reading will be displayed for 2 seconds. The display will show the calibration curve and response factor currently selected. The meter is now in the *read* mode.

2) Return the operation to the MAIN MENU by pressing:



Three decimal points will be displayed along with the current response factor. The calibration curve designation will begin blinking, indicating that it may be changed.

(If the displayed calibration curve is the one to be redetermined, skip directly to the response factor input by pressing the < NEXT> key.)

OTHERWISE

3) Scroll to the calibration curve that is to be redetermined by pressing:



The display will show the next calibration curve designation.

4) When the desired calibration curve is determined, select it by pressing:



The calibration curve is selected and the meter will prompt for the input of the response factor.

5) If the response factor displayed is not the desired one, use the <SCROLL> key as described the previous section above under "Standard Operation - Changing Response Factor Without Recalibrating". If the response factor is correct, skip this step by pressing:



The meter will calculate and display the current temperature.

6) Move to the next screen by pressing:



The meter will prompt for the blank to be entered and the calibration procedure to begin by displaying "-bL-".

7) Remove the screw cap and insert the prepared blank vial, replace the cap and begin calibration by pressing:



The display will blink showing the selected calibration curve and response factor. The meter will display "0" for three seconds and prompt for the calibration standard by displaying "-CSd".

8) Remove the screw cap and blank vial and insert the calibration standard vial. Read the calibration standard by pressing:



The display will blink showing the selected calibration curve and response factor. The display will read "1000" for three seconds and display the currently selected calibration curve and response factor continuously. The meter is now in the read mode.

9) Proceed with reading the unknown samples by following the procedure for "Standard Operation" above, beginning with step 2.

Special Operating Conditions:

Replacement of Battery:

<u>NOTE</u>: Use ONLY 9V Alkaline or 9V Lithium battery. Use of carbon/zinc battery will cause the PetroFLAG meter to malfunction.

Open the battery compartment by sliding the compartment door back (indicated by the arrow on the back of the unit). Lift out the old battery from the compartment and carefully unsnap the battery from the wire harness/connector. Replace with a fresh alkaline battery by snapping the wire harness/connector onto the new battery making sure the polarity is correct (The snaps will only go on one way). Reinsert the battery and connector into the compartment being careful not to twist/damage the connector wires. Replace compartment door by sliding the door forward until the latch clicks.

Operation of the Meter After the Battery has been Disconnected:

When the battery has been disconnected the microprocessor will automatically return to the MAIN MENU once the battery has been reconnected. The meter, however, will not be in a *read* mode but is calibrated for use, unless other factors warrant recalibration. The operations to be performed will determine the exact steps to be followed. The steps to follow are described above in the various sections of "Analyzer Operation Examples."

Meter Left to Turn Off in Other Mode:

When the meter is left in any "screen" for five minutes the meter will shut off automatically. The meter will return to last active screen when the <READ/ON> key is pressed.

Helpful Suggestions and Safety Precautions

When PetroFLAG test results indicate no hydrocarbons are present, the sample can be sent in for certified laboratory confirmatory analysis. All environmental soil sampling used for final closure should be performed using methods that are approved by the local regulating agency.

Personal protection should be worn during soil sampling and testing. A minimum of latex gloves and goggles should be worn.

Decontamination stations should be set up using appropriate cleaners and rinsing solutions. Soil sampling equipment not supplied with the reagent pack should be decontaminated between sampling locations to prevent the possibility of cross contamination.

All reagents and sampling scoops supplied with the kit are single-use disposable items. Therefore, <u>do</u> <u>not</u> reuse spoons, tubes, filters, or vials. The electronic balance is *NOT* disposable.

Checkambient temperature BEFORE extracting soils, when a calibration procedure is not planned for the current batch of test samples.

Make sure the filter disks are screwed on tightly before adding the soil extract to a filter syringe.

<u>Do not</u> leave the PetroFLAG analyzer in direct sunlight when not in use. Store the instrument in the protective carrying case with the lid closed.

Make sure that the contamination at the site is characterized at some time during the investigation.

Avoid sampling organic matter. Scrape away organic material (leaves, sticks, etc.) before sampling.

Avoid sampling directly under pine, cedar, and fir trees unless the sample is collected below the organic layer. Do not collect samples from areas where tree roots have been encountered.

Avoid sampling directly beneath creosote bushes, sage brush and other oil bearing plants.

Commonly Asked Questions

What are the response factors?

A response factor (RF) is the relationship between the analyte of interest and the calibration standard. The turbidity formed in the development solution by the sample is compared to the calibration standard followed by a calculation which determines the correct concentration for your contaminant. For Example: Equal concentrations of diesel and mineral oil do not produce the same level of turbidity. A RF value of 10 for mineral oil divided by the RF value of 5 for diesel produces a result of 2. This means that mineral oil forms twice the turbidity of diesel at the same concentration. Stated another way, 250ppm mineral oil forms the same turbidity as 500 ppm diesel. For more information please see Appendix A in the Manual.

Why doesn't my calibration standard read 1000ppm when I re-read it after calibrating?

This is directly related to the first question. The calibration standard is 1000 ppm mineral oil, therefore, if you read it on any RF other than 10 you will get a different number.

How long are my samples good for after they develop for 10 minutes?

The PetroFLAG development process is a temporary reaction, therefore, readings should be taken right at the end of the 10 minute development period. The turbidity will continue to develop for period of time, after which the solution will begin to fade. Do NOT attempt to reread the sample as results may vary due to these changes in the solution. No measurements should be taken after 20 minutes. This means you must record your data as it is generated because you cannot save your sample vials for future analysis.

After I prepare a set of calibration solutions how long are they good for?

Since the PetroFLAG development chemistry fades over time they are only good for a single use and the 10 minute time window should be adhered to.

The screen is displaying an error code, what does it mean?

See the reference table in Appendix D for a list of "Error Conditions".

What can I do if my reading is over-range?

Process a new sample using a 1 gram soil sample and multiply the end result by 10. This sample dilution will allow you to read up to 10,000-15,000 ppm on most samples (1-1.5%).

The meter is "stuck" in the calibration program mode with the "1C" or "2C" characters flashing?

The meter will not allow normal calibration procedure or sample measurement when the <READ/ON> key is pressed, but returns to a flashing "1C" or "2C" screen. This is usually caused by use of a non-alkaline battery. Replacement with a fresh 9V Alkaline battery should eliminate the problem and the meter should return to normal operation.

Caution

When opening the break-top ampules *DO NOT* remove the plastic sleeve from the top. It is there for your protection. Removing it may result in personal injury.

The Extraction Solvent and Calibration Standards contain methanol and are Flammable and Poisonous.

Wear rubber gloves and safety glasses while performing tests.

Dispose of all used reagents and soil properly.

Read the Material Safety Data Sheet before performing test.

Manufacturer's Warranty

The reagents and supplies used in the PetroFLAG test are warranted to be free of defects in material and workmanship until the expiration date stamped on the box. Manufacturer's sole and exclusive liability under this warranty shall be limited to replacement of any materials that are proved to be defective. Manufacturer shall not be liable for any incidental or consequential damages.

Reliable test results are highly dependent upon the care with which the directions are followed and, consequently, cannot be guaranteed.

Appendix A: PetroFLAG Response Curves

Most fuels, lubes and greases are complex mixtures of various hydrocarbons having a broad range of physical and chemical properties. The PetroFLAG system will detect a majority of the ecologically important hydrocarbon mixtures. The PetroFLAG responses to some typical hydrocarbon contaminants are plotted in figure 1⁵.

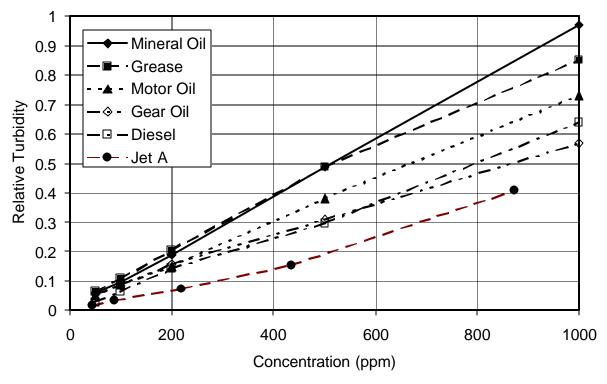


Figure 1: Relative Intensity Data for Common Analytes

⁵The lower limit of quantification, using a 10 gram sample size, is 1000 ppm for gasoline (linear range from 1000 ppm to 5,000 ppm). Brake fluid, phosphate ester based hydraulic oil, or other water soluble compounds will not be detected by the PetroFLAG system.

Appendix B: Comparison with Laboratory Methods

In field trials, the PetroFLAG system was used at sites contaminated with diesel fuel or with oil and grease. In both cases the PetroFLAG results correlated very well with EPA laboratory methods. Both EPA methods 8015B and 418.1 were used to analyze the samples from the diesel site. The resulting correlations were 89% and 92% respectively⁶. The samples from the oil and grease site were analyzed using EPA method 418.1 for soil. The lab results confirmed the PetroFLAG results with no false negatives and only 2 false positives (10%). When comparing the field results and the lab results for the field split samples, the correlation between the PetroFLAG data and EPA method 418.1 for the laboratory split samples was 90% ⁷.

When comparing the PetroFLAG field results with laboratory results using EPA methods it is important to keep in mind that EPA laboratory methods for TPH are known to have variable extraction efficiency. The extraction efficiency achieved using EPA laboratory methods varies with soil type and moisture content. In addition, the degree to which moisture affects the extraction is dependent on how the individual laboratory is implementing the method. It is, therefore, important to verify that the lab used for comparison is performing the method properly and that the recovery is known.

Another important factor affecting laboratory confirmation analysis is the inhomogeneous nature

of soil samples. Whenever possible, homogenize samples using standard methods⁸ before taking "splits" to send to the lab for confirmation.

⁶Wright, Keith A., "Evaluation of a New Field Test Kit for Determining Total Petroleum Hydrocarbon Concentrations in Soil at a Site Contaminated by Diesel Fuel", Presented at the AEHS Conference on "Hydrocarbon Contaminated Soils", January 11-13, 1995, New Orleans, LA.

⁷Wright, Keith A. and Jermstad, David B., "Evaluation of a Rapid Field Analytical Test Kit for Assessing Hydrocarbon Soil Contamination", Presented at the "Third International Conference On-Site Analysis", January 22-25, 1995 Houston, TX.

⁸See for example: Pitard, Francis F., <u>Pierre Gy's Sampling Theory and Sampling Practice</u>, Volumes 1 and 2, CRC Press, Inc., Boca Raton, FL, 1992).

Appendix C: Determining the Response Factor for Hydrocarbons Not Listed in Table 1

The response factors listed in Table 1 are calculated from response curves similar to those in Figure 1 in Appendix A. The response factor is equal to the slope of the response curve multiplied by 10. The slope of the response curve for the analyte is calculated from the response of the specific analyte relative to the response of the calibration standard. The calibration standard has a slope of one and a response factor of 10 on the PetroFLAG meter. Multiplying the slope of a specific analyte's response curve by 10 yields the appropriate response factor for that analyte.

When a suspected contaminant is not listed in Table 1, there are a few methods that may be used to determine the response factor. The method used is determined by the information and facilities available. The most accurate method would be to replicate the data in Figure 1 for the specific analyte, and then calculate the response factor from the slope of the response curve.

Initially, prepare soil standards from a single homogeneous batch of clean soil spiked at a minimum of 5 different concentrations between 100 and 1000 ppm. (For light hydrocarbons, a higher concentration range can be used.) Next, analyze the soil standards in triplicate using a calibrated PetroFLAG meter set to a response factor of 10. Plot the results with the true spiked concentrations on the "X" axis and the meter readings on the "Y" axis. The slope of the regression line (least squares line) through the data points multiplied by 10 is the response factor that should be used for this analyte. To avoid a low bias and false negatives, round the resulting number down to the nearest whole number when selecting the response factor for the meter. This method can be used if either the contaminant is known or a sample of the neat product is available.

<u>NOTE</u>: When the soil used to prepare the spiked soil standards is not actually clean but contains some hydrocarbons, the curve will have a positive intercept. This result should not affect the calculated response factor provided that the highest

spiked standard does not read higher than 1000 ppm on the PetroFLAG meter.

When the contaminant is unknown and a sample of the pure product is not available, then an alternative method can be used. The PetroFLAG results, with the meter set to response factor 10, can be compared with laboratory results from split samples analyzed in triplicate. This method requires extreme care in the homogenizing of the bulk material and also, the preparation of the split samples. Improper sample preparation can result in errors of 100 to 200% or greater. To minimize the effects of this sample variation, as many samples as possible should be analyzed (greater than 20) and the concentrations used should be evenly distributed over the range of 100 to 1000 ppm. Once the data has been collected, plot the data as described above using the laboratory reference method results as the known concentration. The slope of the regression line multiplied by 10 is then the response factor.

<u>NOTE</u>: This method is not as precise as the spike method and any bias in the laboratory method will result in an error in determining this response factor. It is important to check both the laboratory method and the lab performing the analysis thoroughly before using it as the reference method. (See Appendix B)

If the facilities are not available to perform these tests contact Dexsil for advice.

Appendix D: Error Conditions

Table 2: Error Conditions

Message	Cause	Solution		
Flashing Concentration Reading [Applies to Unknown Measurements]	Over range condition. Sample concentration outside of linear range.	Use smaller sample (1 gram recommended) and rerun.		
Flashing "EEEE" [Applies to Unknown Measurements]	Sensor over range condition. Sample concentration too high.	Use smaller sample (1 gram recommended) and rerun.		
"Err0" [Applies to Calibration Mode]	Blank and Calibration Standard vials mixed up. Blank or Calibration Standard outside of QC window (bL too high or CSd too low).	Check calibration vials. Rerun and/or make up new ones.		
"Err1" [Applies to All Modes]	Readings from the two optical channels do not agree.	Check vial and reread. If error remains, rerun using another vial.		
"Err2" [Applies to Unknown Measurements]	Sample is reading lower than the blank, e.g., Calibration Blank soil unusually high background or not zero.	Recalibrate using true Blank soil.		
"Err3" [Applies to Calibration Mode]	Blank or Calibration Standard outside of QC window (bL too low or CSd too high).	Recalibrate using fresh calibration solutions.		
"Err4" [Applies to Unknown Measurements]	Absolute temperature difference between calibration and reading exceeds 10°C.	Recalibrate at current temperature.		
"Err5" [Applies to All Modes]	Ambient temperature outside of operating range. (4°C - 45°C)	Remove meter and reagents to climate controlled environment to recalibrate/rerun.		
"LP"	Low Power	Replace battery.		

Appendix E: Meter Specifications

A/D Resolution: 0.5 ppm

Display Resolution: 1 ppm

Precision: Analyte Dependent

From MDL to Max Linear Range (MLR) ±10% +5 ppm

From Max Linear Range to Max Quantifiable Range (MQR) ± 20%

Measurement Range: 10-10,000 ppm (linear range analyte dependent)

Operating Temperature: 4°C to 45°C

Quantification Limit: Analyte Dependent Approx. Approx.

 Response Factor
 MLR (ppm)*
 MQR (ppm)*

 15
 730
 1,460

 10
 1,000
 2,000

 5
 2,000
 4,000

 2
 5,000
 10,000

Program Storage: EEPROM

Calibration Storage: EEPROM

Display: 4 digit ½ inch seven segment LCD

Batteries: One 9V Alkaline (included) [Use only Alkaline or Lithium type]

Battery Life: Approx. 4000 measurements or 1 year (using a 550 mAh alkaline battery)

Dimensions: length=5.75" width=3.5" height=2"

Weight: 9.85 oz (280 g)

^{*}Actual limits realized in the field are temperature and device dependent. PetroFLAG meter automatically warns user when each limit has been reached.



APPENDIX F LABORATORY ANALYTICAL RESULTS

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 5/9/2023 10:16:27 PM

JOB DESCRIPTION

Fighting Okra 181911-1 SDG NUMBER JI, NM

JOB NUMBER

880-27868-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 5/9/2023 10:16:27 PM

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216

10

14

Laboratory Job ID: 880-27868-1 SDG: JI, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	7
Surrogate Summary	20
QC Sample Results	22
QC Association Summary	27
Lab Chronicle	31
Certification Summary	39
Method Summary	40
Sample Summary	41
Chain of Custody	42
Receipt Chacklists	45

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Definitions/Glossary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Qualifiers

GC	VOA
Qual	ifier

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

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
-----------	------------------------------

MS and/or MSD recovery exceeds control limits. U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report. Listed under the "D" column to designate that the result is reported on a dry weight basis				
¤					
%R	Percent Recovery				
CFL	Contains Free Liquid				
CFU	Colony Forming Unit				
CNF	Contains No Free Liquid				
DER	Duplicate Error Ratio (normalized absolute difference)				
Dil Fac	Dilution Factor				
DL	Detection Limit (DoD/DOE)				

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

Not Detected at the reporting limit (or MDL or EDL if shown) ND

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)

Relative Percent Difference, a measure of the relative difference between two points **RPD**

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Job ID: 880-27868-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-27868-1

Comments

No additional comments.

Receipt

The samples were received on 5/2/2023 3:44 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 was 4.5° C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: FO 31 H-1-(0-1) (880-27868-1), FO 31 H (1-2) (880-27868-2), FO 31 H-1-(2-3) (880-27868-3), FO 31 H-2-(0-1) (880-27868-4), FO 31 H-2-(1-2) (880-27868-5), FO 31 | (0-1) (880-27868-6), FO 31 H-3-(1-2) (880-27868-7), FO 31 H-4-(0-1) (880-27868-8), FO 31 H-4-(1-2) (880-27868-9), FO 31 H (0-1) (880-27868-10), FO 31 H-5 (1-2) (880-27868-11), FO 31 H-7 (0-1) (880-27868-12), FO 31 H-7 (1-2) (880-27868-13), FO H-8 (880-27868-14), FO 31 H-8 (880-27868-15), FO 31 H-9 (880-27868-16), FO 31 H-9 (880-27868-17), FO 31 BG-1 (880-27868-18) and FO 31 BG-2 (880-27868-19).

GC VOA

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-52482 and analytical batch 880-5244 recovered outside control limits for the following analytes: Benzene. These analytes were biased high in the LCSD and were no detected in the associated samples; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: FO 31 H-1-(0-1) (880-27868-1), FO 3: H-1-(2-3) (880-27868-3), FO 31 H-5 (1-2) (880-27868-11) and FO 31 H-9 (880-27868-16). 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 8015B NM: Surrogate recovery for the following samples were outside control limits: FO 31 H-1-(1-2) (880-27868-2), FC 31 H-2-(0-1) (880-27868-4), FO 31 H-2-(1-2) (880-27868-5), FO 31 H-3-(1-2) (880-27868-7), FO 31 H-4-(0-1) (880-27868-8), 31 H-4-(1-2) (880-27868-9), FO 31 H-5-(0-1) (880-27868-10), FO 31 H-5 (1-2) (880-27868-11), FO 31 H-7 (0-1) (880-27868-1 31 H-7 (1-2) (880-27868-13), FO 31 H-8 (880-27868-14), FO 31 BG-1 (880-27868-18), FO 31 BG-2 (880-27868-19), (880-27868-A-1-B MS) and (880-27868-A-1-C MSD). 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.

General Chemistry

Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-52537 and 880-52537 a analytical batch 880-52770 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample mati interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated samples are: FO 31 H-1-(0-1) (880-27868-1), FO 31 H-1-(1-2) (880-27868-2), FO 31 H-1-(2-3) (880-27868-3) 31 H-2-(0-1) (880-27868-4), FO 31 H-2-(1-2) (880-27868-5), FO 31 H-3-(0-1) (880-27868-6), FO 31 H-3-(1-2) (880-27868-7), 31 H-4-(0-1) (880-27868-8), FO 31 H-4-(1-2) (880-27868-9), FO 31 H-5-(0-1) (880-27868-10), (880-27868-A-1-H MS) and (880-27868-A-1-I MSD).

Case Narrative

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Job ID: 880-27868-1 (Continued)

Laboratory: Eurofins Midland (Continued)

Method 300.0: The matrix spike duplicate (MSD) recoveries for preparation batch 880-52537 and analytical batch 880-52770 we outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was with acceptance limits.

The associated samples are: FO 31 H-5 (1-2) (880-27868-11), FO 31 H-7 (0-1) (880-27868-12), FO 31 H-7 (1-2) (880-27868-FO 31 H-8 (880-27868-14), FO 31 H-8 (880-27868-15), FO 31 H-9 (880-27868-16), FO 31 H-9 (880-27868-17), FO 31 BG-1 (880-27868-18), FO 31 BG-2 (880-27868-19) and (880-27868-A-11-E MSD).

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

Organic Prep

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

VOA Prep

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

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-1-(0-1)

Date Collected: 05/01/23 12:30

Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-1

Matrix: Solid

Percent Solids: 94.6

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00266	*+	0.00211	0.000405	mg/Kg	-	05/03/23 09:54	05/04/23 00:35	1
Toluene	0.0121	*+	0.00211	0.000480	mg/Kg	☼	05/03/23 09:54	05/04/23 00:35	1
Ethylbenzene	0.00609		0.00211	0.000595	mg/Kg	₩	05/03/23 09:54	05/04/23 00:35	1
m-Xylene & p-Xylene	0.0107		0.00421	0.00106	mg/Kg	₩	05/03/23 09:54	05/04/23 00:35	1
o-Xylene	0.00559		0.00211	0.000362	mg/Kg	₩	05/03/23 09:54	05/04/23 00:35	1
Xylenes, Total	0.0163		0.00421	0.00106	mg/Kg	☼	05/03/23 09:54	05/04/23 00:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	212	S1+	70 - 130				05/03/23 09:54	05/04/23 00:35	1
1.4-Difluorobenzene (Surr)	112		70 - 130				05/03/23 09:54	05/04/23 00:35	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.8	J	52.7	15.8	mg/Kg	₩	05/02/23 18:00	05/03/23 12:22	1
Diesel Range Organics (Over C10-C28)	26.8	J F1	52.7	15.8	mg/Kg	₩	05/02/23 18:00	05/03/23 12:22	1
Oll Range Organics (Over C28-C36)	<15.8	U	52.7	15.8	mg/Kg	☼	05/02/23 18:00	05/03/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/02/23 18:00	05/03/23 12:22	1
o-Terphenyl	75		70 - 130				05/02/23 18:00	05/03/23 12:22	1

Method: EPA 300.0 - Anions, I	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3290	F1	26.7	2.11	mg/Kg	*		05/05/23 23:10	5

Client Sample ID: FO 31 H-1-(1-2)

Date Collected: 05/01/23 12:35 Date Received: 05/02/23 15:44

Sample Depth: 1-2

Lab Sample	ID:	880-27868-2
		Matrix: Solid

Percent Solids: 96.2

Wethod: 344046 6021B - 40	name Organic	Compoun	as (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000396	U *+	0.00206	0.000396	mg/Kg	₽	05/03/23 09:54	05/04/23 00:56	1
Toluene	< 0.000470	U *+	0.00206	0.000470	mg/Kg	₽	05/03/23 09:54	05/04/23 00:56	1
Ethylbenzene	<0.000582	U	0.00206	0.000582	mg/Kg	☼	05/03/23 09:54	05/04/23 00:56	1
m-Xylene & p-Xylene	<0.00104	U	0.00412	0.00104	mg/Kg	₽	05/03/23 09:54	05/04/23 00:56	1
o-Xylene	< 0.000354	U	0.00206	0.000354	mg/Kg	☼	05/03/23 09:54	05/04/23 00:56	1
Xylenes, Total	<0.00104	U	0.00412	0.00104	mg/Kg	₩	05/03/23 09:54	05/04/23 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 00:56	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 00:56	1

Method: SW846 8015B NM -	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.6	J	51.8	15.6	mg/Kg	*	05/02/23 18:00	05/03/23 13:27	1
Diesel Range Organics (Over C10-C28)	<15.6	U	51.8	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 13:27	1

Job ID: 880-27868-1

SDG: JI, NM

Dil Fac

Client Sample ID: FO 31 H-1-(1-2)

Lab Sample ID: 880-27868-2

Matrix: Solid

Date Collected: 05/01/23 12:35 Date Received: 05/02/23 15:44

Percent Solids: 96.2

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.6	U	51.8	15.6	mg/Kg	— <u>~</u>	05/02/23 18:00	05/03/23 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				05/02/23 18:00	05/03/23 13:27	1
o-Terphenyl	68	S1-	70 - 130				05/02/23 18:00	05/03/23 13:27	1
Method: EPA 300.0 - Anions,	lon Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	569		5.19	0.410	mg/Kg	<u> </u>		05/05/23 23:25	1

Client Sample ID: FO 31 H-1-(2-3)

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

Result Qualifier

<0.000412 U*+

Lab Sample ID: 880-27868-3

Analyzed

Matrix: Solid

<u>05/03/23 09:54</u> <u>05/04/23 01:16</u>

Date Collected: 05/01/23 12:40 Date Received: 05/02/23 15:44 Percent Solids: 92.9

RL

0.00214

MDL Unit

0.000412 mg/Kg

D

Prepared

Sample Depth: 2-3

Analyte

Benzene

201.201.0	0.000	-							
Toluene	<0.000488	U *+	0.00214	0.000488	mg/Kg	☼	05/03/23 09:54	05/04/23 01:16	1
Ethylbenzene	<0.000605	U	0.00214	0.000605	mg/Kg	☼	05/03/23 09:54	05/04/23 01:16	1
m-Xylene & p-Xylene	<0.00108	U	0.00428	0.00108	mg/Kg	₽	05/03/23 09:54	05/04/23 01:16	1
o-Xylene	< 0.000368	U	0.00214	0.000368	mg/Kg	☼	05/03/23 09:54	05/04/23 01:16	1
Xylenes, Total	<0.00108	U	0.00428	0.00108	mg/Kg	₩	05/03/23 09:54	05/04/23 01:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				05/03/23 09:54	05/04/23 01:16	1
1 1 Diffusionana (Cum)	141	S1+	70 - 130				05/03/23 09:54	05/04/23 01:16	1
1,4-Difluorobenzene (Surr) : Method: SW846 8015B NM - D	Diesel Range	organics	(DRO) (GC	;)					
• * * * * * * * * * * * * * * * * * * *	Diesel Range	Organics	(DRO) (GC	;)					
Method: SW846 8015B NM - D Analyte	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: SW846 8015B NM - DANAINTE Gasoline Range Organics		Qualifier			Unit mg/Kg	<u>D</u>	Prepared 05/02/23 18:00	Analyzed 05/03/23 13:49	Dil Fac
Method: SW846 8015B NM - DANIE Analyte Gasoline Range Organics (GRO)-C6-C10	Result <16.1	Qualifier U	53.6	MDL 16.1	mg/Kg	— -	05/02/23 18:00	05/03/23 13:49	Dil Fac
Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U	RL	MDL 16.1			05/02/23 18:00		Dil Fac 1
Method: SW846 8015B NM - DANIE Analyte Gasoline Range Organics (GRO)-C6-C10	Result <16.1	Qualifier U	53.6	MDL 16.1 16.1	mg/Kg	— -	05/02/23 18:00	05/03/23 13:49 05/03/23 13:49	Dil Fac 1 1
Method: SW846 8015B NM - DANAINTE Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<16.1 <16.1	Qualifier U U U	RL 53.6	MDL 16.1 16.1	mg/Kg	— <u>—</u> Ф	05/02/23 18:00 05/02/23 18:00	05/03/23 13:49 05/03/23 13:49	Dil Fac 1 1 Dil Fac
Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <16.1 <16.1 <16.1	Qualifier U U U	RL 53.6 53.6 53.6	MDL 16.1 16.1	mg/Kg	— <u>—</u> Ф	05/02/23 18:00 05/02/23 18:00 05/02/23 18:00	05/03/23 13:49 05/03/23 13:49 05/03/23 13:49	1 1
Method: SW846 8015B NM - E Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <16.1 <16.1 <16.1 <16.1 %Recovery	Qualifier U U U	RL 53.6 53.6 53.6 Limits	MDL 16.1 16.1	mg/Kg	— <u>—</u> Ф	05/02/23 18:00 05/02/23 18:00 05/02/23 18:00 Prepared	05/03/23 13:49 05/03/23 13:49 05/03/23 13:49 Analyzed 05/03/23 13:49	1 1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	843		5.35	0.423	mg/Kg	<u></u>		05/05/23 23:30	1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-2-(0-1)

Lab Sample ID: 880-27868-4

Date Collected: 05/01/23 12:42 Date Received: 05/02/23 15:44

Matrix: Solid

Sample Depth: 0-1

Percent Solids: 9	5.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000402	U *+	0.00209	0.000402	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 01:37	1
Toluene	< 0.000476	U *+	0.00209	0.000476	mg/Kg	₩	05/03/23 09:54	05/04/23 01:37	1
Ethylbenzene	<0.000590	U	0.00209	0.000590	mg/Kg	☆	05/03/23 09:54	05/04/23 01:37	1
m-Xylene & p-Xylene	<0.00105	U	0.00418	0.00105	mg/Kg	₩	05/03/23 09:54	05/04/23 01:37	1
o-Xylene	< 0.000359	U	0.00209	0.000359	mg/Kg	☼	05/03/23 09:54	05/04/23 01:37	1
Xylenes, Total	<0.00105	U	0.00418	0.00105	mg/Kg	☼	05/03/23 09:54	05/04/23 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 01:37	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/03/23 09:54	05/04/23 01:37	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.4	J	52.1	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 14:11	1
Diesel Range Organics (Over C10-C28)	<15.6	U	52.1	15.6	mg/Kg	₽	05/02/23 18:00	05/03/23 14:11	1
Oll Range Organics (Over C28-C36)	<15.6	U	52.1	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/02/23 18:00	05/03/23 14:11	1
o-Terphenyl	63	S1-	70 - 130				05/02/23 18:00	05/03/23 14:11	1

Method: EPA 300.0 - Anions, le	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		5.23	0.413	mg/Kg	₩		05/05/23 23:35	1

Client Sample ID: FO 31 H-2-(1-2)

Lab Sample ID: 880-27868-5 Date Collected: 05/01/23 13:10 Matrix: Solid Date Received: 05/02/23 15:44 Percent Solids: 96.8

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U *+	0.00208	0.000400	mg/Kg	☆	05/03/23 09:54	05/04/23 01:57	1
Toluene	< 0.000474	U *+	0.00208	0.000474	mg/Kg	☼	05/03/23 09:54	05/04/23 01:57	1
Ethylbenzene	<0.000587	U	0.00208	0.000587	mg/Kg	☼	05/03/23 09:54	05/04/23 01:57	1
m-Xylene & p-Xylene	<0.00105	U	0.00416	0.00105	mg/Kg	₽	05/03/23 09:54	05/04/23 01:57	1
o-Xylene	< 0.000357	U	0.00208	0.000357	mg/Kg	≎	05/03/23 09:54	05/04/23 01:57	1
Xylenes, Total	<0.00105	U	0.00416	0.00105	mg/Kg	☆	05/03/23 09:54	05/04/23 01:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/03/23 09:54	05/04/23 01:57	1
1,4-Difluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 01:57	1
- Method: SW846 8015B NM	- Diesel Range	e Organics	(DRO) (GC	3)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.2	J	51.5	15.5	mg/Kg	*	05/02/23 18:00	05/03/23 14:32	1

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© 05/02/23 18:00 05/03/23 14:32

51.5

15.5 mg/Kg

<15.5 U

Diesel Range Organics (Over

C10-C28)

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-2-(1-2)

Lab Sample ID: 880-27868-5

Matrix: Solid

Date Collected: 05/01/23 13:10 Date Received: 05/02/23 15:44

Percent Solids: 96.8

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.5	U	51.5	15.5	mg/Kg	☆	05/02/23 18:00	05/03/23 14:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/02/23 18:00	05/03/23 14:32	1
o-Terphenyl	65	S1-	70 - 130				05/02/23 18:00	05/03/23 14:32	1
Method: EPA 300.0 - Anions,	lon Chromat	tography -	- Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290	· 	5.18	0.409	mg/Kg			05/05/23 23:39	

Client Sample ID: FO 31 H-3-(0-1)

Lab Sample ID: 880-27868-6

Date Collected: 05/01/23 12:50 Matrix: Solid Date Received: 05/02/23 15:44 Percent Solids: 94.3

Sample Depth: 0-1

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000412	U *+	0.00214	0.000412	mg/Kg		05/03/23 09:54	05/04/23 02:17	1
Toluene	<0.000488	U *+	0.00214	0.000488	mg/Kg	₩	05/03/23 09:54	05/04/23 02:17	1
Ethylbenzene	< 0.000605	U	0.00214	0.000605	mg/Kg	☼	05/03/23 09:54	05/04/23 02:17	1
m-Xylene & p-Xylene	<0.00108	U	0.00428	0.00108	mg/Kg	₩	05/03/23 09:54	05/04/23 02:17	1
o-Xylene	< 0.000368	U	0.00214	0.000368	mg/Kg	☼	05/03/23 09:54	05/04/23 02:17	1
Xylenes, Total	<0.00108	U	0.00428	0.00108	mg/Kg	≎	05/03/23 09:54	05/04/23 02:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 02:17	1
1.4-Difluorobenzene (Surr)	102		70 ₋ 130				05/03/23 09:54	05/04/23 02:17	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.1	J	53.0	15.9	mg/Kg	₩	05/02/23 18:00	05/03/23 14:54	1
Diesel Range Organics (Over C10-C28)	<15.9	U	53.0	15.9	mg/Kg	≎	05/02/23 18:00	05/03/23 14:54	1
Oll Range Organics (Over C28-C36)	<15.9	U	53.0	15.9	mg/Kg	₩	05/02/23 18:00	05/03/23 14:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				05/02/23 18:00	05/03/23 14:54	1
o-Terphenyl	72		70 - 130				05/02/23 18:00	05/03/23 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac				
Chloride	4220	26.4	2.09 mg/Kg	₽		05/05/23 23:54	5				

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-3-(1-2)

Lab Sample ID: 880-27868-7

Date Collected: 05/01/23 13:20 Date Received: 05/02/23 15:44

Matrix: Solid Percent Solids: 95.1

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000403	U *+	0.00210	0.000403	mg/Kg	— <u>—</u>	05/03/23 09:54	05/04/23 02:38	1
Toluene	<0.000478	U *+	0.00210	0.000478	mg/Kg	₩	05/03/23 09:54	05/04/23 02:38	1
Ethylbenzene	<0.000592	U	0.00210	0.000592	mg/Kg	₩	05/03/23 09:54	05/04/23 02:38	1
m-Xylene & p-Xylene	<0.00106	U	0.00419	0.00106	mg/Kg	₩	05/03/23 09:54	05/04/23 02:38	1
o-Xylene	< 0.000360	U	0.00210	0.000360	mg/Kg	₩	05/03/23 09:54	05/04/23 02:38	1
Xylenes, Total	<0.00106	U	0.00419	0.00106	mg/Kg	☼	05/03/23 09:54	05/04/23 02:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				05/03/23 09:54	05/04/23 02:38	1
1.4-Difluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 02:38	1

1,4-billadiobenzene (daii)	104		70 - 700				00/00/20 03.04	03/04/23 02.30	,
Method: SW846 8015B NM - I	Diesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.8	U	52.5	15.8	mg/Kg	₩	05/02/23 18:00	05/03/23 15:15	1
Diesel Range Organics (Over C10-C28)	22.5	J	52.5	15.8	mg/Kg	₩	05/02/23 18:00	05/03/23 15:15	1
Oll Range Organics (Over C28-C36)	<15.8	U	52.5	15.8	mg/Kg	₩	05/02/23 18:00	05/03/23 15:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/02/23 18:00	05/03/23 15:15	1
o-Terphenyl	67	S1-	70 - 130				05/02/23 18:00	05/03/23 15:15	1

Method: EPA 300.0 - Anions, Id	on Chromate	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3290		26.4	2.09	mg/Kg	*		05/05/23 23:59	5

Client Sample ID: FO 31 H-4-(0-1)

Lab Sample ID: 880-27868-8 Date Collected: 05/01/23 12:44 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 92.5

Sample Depth: 0-1

(GRO)-C6-C10

C10-C28)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000414	U *+	0.00215	0.000414	mg/Kg	₽	05/03/23 09:54	05/04/23 02:58	1
Toluene	< 0.000490	U *+	0.00215	0.000490	mg/Kg	☼	05/03/23 09:54	05/04/23 02:58	1
Ethylbenzene	< 0.000607	U	0.00215	0.000607	mg/Kg	☼	05/03/23 09:54	05/04/23 02:58	1
m-Xylene & p-Xylene	<0.00109	U	0.00430	0.00109	mg/Kg	₽	05/03/23 09:54	05/04/23 02:58	1
o-Xylene	< 0.000370	U	0.00215	0.000370	mg/Kg	☼	05/03/23 09:54	05/04/23 02:58	1
Xylenes, Total	<0.00109	U	0.00430	0.00109	mg/Kg	₩	05/03/23 09:54	05/04/23 02:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 02:58	1
1,4-Difluorobenzene (Surr)	103		70 - 130				05/03/23 09:54	05/04/23 02:58	1
- Method: SW846 8015B NM	- Diesel Range	e Organics	(DRO) (GC	;)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<16.2	11	53.9	16.2	mg/Kg		05/02/23 18:00	05/03/23 15:37	

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☼ 05/02/23 18:00 05/03/23 15:37

53.9

16.2 mg/Kg

389

Diesel Range Organics (Over

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-4-(0-1)

Lab Sample ID: 880-27868-8

Date Collected: 05/01/23 12:44 Date Received: 05/02/23 15:44

Matrix: Solid Percent Solids: 92.5

Sample Depth: 0-1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)	(Contin	ued)				
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<16.2	U	53.9	16.2	mg/Kg	<u></u>	05/02/23 18:00	05/03/23 15:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/02/23 18:00	05/03/23 15:37	1
o-Terphenyl	67	S1-	70 - 130				05/02/23 18:00	05/03/23 15:37	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6740		53.5	4.23	mg/Kg	-		05/06/23 00:04	10

Client Sample ID: FO 31 H-4-(1-2)

Lab Sample ID: 880-27868-9

Date Collected: 05/01/23 13:25 Date Received: 05/02/23 15:44

Matrix: Solid Percent Solids: 96.0

Sample Depth: 1-2

Method: SW846 8021B - Volati	le Organic								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U *+	0.00208	0.000400	mg/Kg	*	05/03/23 09:54	05/04/23 03:19	1
Toluene	<0.000474	U *+	0.00208	0.000474	mg/Kg	₽	05/03/23 09:54	05/04/23 03:19	1
Ethylbenzene	<0.000587	U	0.00208	0.000587	mg/Kg	₩	05/03/23 09:54	05/04/23 03:19	1
m-Xylene & p-Xylene	<0.00105	U	0.00416	0.00105	mg/Kg	₽	05/03/23 09:54	05/04/23 03:19	1
o-Xylene	<0.000358	U	0.00208	0.000358	mg/Kg	₽	05/03/23 09:54	05/04/23 03:19	1
Xylenes, Total	<0.00105	U	0.00416	0.00105	mg/Kg	₽	05/03/23 09:54	05/04/23 03:19	1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	70 - 130	05/03/23 09:54	05/04/23 03:19	1
1,4-Difluorobenzene (Surr)	100	70 - 130	05/03/23 09:54	05/04/23 03:19	1

Method: SW846 8015B NM -	Diesel Range Organics	(DRO) (GC)
Analyto	Posult Qualifier	DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.0	J	52.0	15.6	mg/Kg	*	05/02/23 18:00	05/03/23 15:59	1
Diesel Range Organics (Over C10-C28)	17.1	J	52.0	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 15:59	1
Oll Range Organics (Over C28-C36)	<15.6	U	52.0	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 15:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/02/23 18:00	05/03/23 15:59	1
o-Terphenyl	67	S1-	70 - 130				05/02/23 18:00	05/03/23 15:59	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		5.17	0.408	mg/Kg	*		05/06/23 00:08	1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-5-(0-1)

Lab Sample ID: 880-27868-10

Date Collected: 05/01/23 13:55 Date Received: 05/02/23 15:44

Matrix: Solid Percent Solids: 96.0

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000404	U *+	0.00210	0.000404	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 03:39	1
Toluene	<0.000478	U *+	0.00210	0.000478	mg/Kg	₩	05/03/23 09:54	05/04/23 03:39	1
Ethylbenzene	<0.000592	U	0.00210	0.000592	mg/Kg	₩	05/03/23 09:54	05/04/23 03:39	1
m-Xylene & p-Xylene	<0.00106	U	0.00419	0.00106	mg/Kg	₩	05/03/23 09:54	05/04/23 03:39	1
o-Xylene	< 0.000361	U	0.00210	0.000361	mg/Kg	₩	05/03/23 09:54	05/04/23 03:39	1
Xylenes, Total	<0.00106	U	0.00419	0.00106	mg/Kg	₩	05/03/23 09:54	05/04/23 03:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				05/03/23 09:54	05/04/23 03:39	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/03/23 09:54	05/04/23 03:39	1

Method: SW846 8015B NM - D Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	21.9		51.9		mg/Kg	— <u>=</u>	05/02/23 18:00		1
(GRO)-C6-C10 Diesel Range Organics (Over	<15.6	U	51.9	15.6	mg/Kg	₽	05/02/23 18:00	05/03/23 16:20	1
C10-C28) OII Range Organics (Over C28-C36)	<15.6	U	51.9	15.6	mg/Kg	₽	05/02/23 18:00	05/03/23 16:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87	<u> </u>	70 - 130				05/02/23 18:00	05/03/23 16:20	1
o-Terphenyl	66	S1-	70 - 130				05/02/23 18:00	05/03/23 16:20	1

Method: EPA 300.0 - Anions, Id	on Chromatograpl	hy - Soluble						
Analyte	Result Qualifie	er RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3030	26.0	2.05	mg/Kg	*		05/06/23 00:13	5

Client Sample ID: FO 31 H-5 (1-2)

Lab Sample ID: 880-27868-11 **Matrix: Solid** Percent Solids: 96.4

Date Collected: 05/01/23 15:46 Date Received: 05/02/23 15:44

Sample Denth: 1-2

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Method: SW846 8015B NM - D	iesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.4	J	51.8	15.5	mg/Kg	-	05/02/23 18:00	05/03/23 17:05	1
Diesel Range Organics (Over C10-C28)	22.1	J	51.8	15.5	mg/Kg	☼	05/02/23 18:00	05/03/23 17:05	1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-5 (1-2)

Lab Sample ID: 880-27868-11

Matrix: Solid

Percent Solids: 96.4

Date Collected: 05/01/23 15:46 Date Received: 05/02/23 15:44 Sample Depth: 1-2

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Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.5	U	51.8	15.5	mg/Kg		05/02/23 18:00	05/03/23 17:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/02/23 18:00	05/03/23 17:05	1
o-Terphenyl	66	S1-	70 - 130				05/02/23 18:00	05/03/23 17:05	1
Method: EPA 300.0 - Anions,	on Chroma	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102	F1	5.14	0.406	mg/Kg	<u> </u>		05/06/23 00:18	1

Client Sample ID: FO 31 H-7 (0-1)

Lab Sample ID: 880-27868-12 **Matrix: Solid**

05/03/23 09:54 05/04/23 05:49

05/03/23 09:54 05/04/23 05:49

Date Collected: 05/01/23 16:28 Date Received: 05/02/23 15:44

Percent Solids: 96.3

Sample Depth: 0-1

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Method: SW846 8021B -	Volatile Organic	Compound	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000398	U *+	0.00207	0.000398	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 05:49	1
Toluene	< 0.000472	U *+	0.00207	0.000472	mg/Kg	☼	05/03/23 09:54	05/04/23 05:49	1
Ethylbenzene	<0.000584	U	0.00207	0.000584	mg/Kg	₩	05/03/23 09:54	05/04/23 05:49	1
m-Xylene & p-Xylene	<0.00104	U	0.00414	0.00104	mg/Kg	₩	05/03/23 09:54	05/04/23 05:49	1
o-Xylene	< 0.000356	U	0.00207	0.000356	mg/Kg	☼	05/03/23 09:54	05/04/23 05:49	1
Xylenes, Total	<0.00104	U	0.00414	0.00104	mg/Kg	☼	05/03/23 09:54	05/04/23 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

98

104

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.4	J	51.8	15.5	mg/Kg	₽	05/02/23 18:00	05/03/23 17:26	,
Diesel Range Organics (Over C10-C28)	<15.5	U	51.8	15.5	mg/Kg	≎	05/02/23 18:00	05/03/23 17:26	1
Oll Range Organics (Over C28-C36)	<15.5	U	51.8	15.5	mg/Kg	₩	05/02/23 18:00	05/03/23 17:26	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				05/02/23 18:00	05/03/23 17:26	
o-Terphenyl	65	S1-	70 - 130				05/02/23 18:00	05/03/23 17:26	

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	535		5.18	0.409	mg/Kg	*		05/06/23 00:33	1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-7 (1-2)

Lab Sample ID: 880-27868-13

Date Collected: 05/01/23 15:45 Date Received: 05/02/23 15:44

Matrix: Solid Percent Solids: 97.4

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000393	U *+	0.00204	0.000393	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 06:10	1
Toluene	< 0.000465	U *+	0.00204	0.000465	mg/Kg	₩	05/03/23 09:54	05/04/23 06:10	1
Ethylbenzene	< 0.000576	U	0.00204	0.000576	mg/Kg	₩	05/03/23 09:54	05/04/23 06:10	1
m-Xylene & p-Xylene	<0.00103	U	0.00408	0.00103	mg/Kg	₩	05/03/23 09:54	05/04/23 06:10	1
o-Xylene	<0.000351	U	0.00204	0.000351	mg/Kg	₩	05/03/23 09:54	05/04/23 06:10	1
Xylenes, Total	<0.00103	U	0.00408	0.00103	mg/Kg	₩	05/03/23 09:54	05/04/23 06:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130				05/03/23 09:54	05/04/23 06:10	1
1,4-Difluorobenzene (Surr)	107		70 - 130				05/03/23 09:54	05/04/23 06:10	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.8	J	51.3	15.4	mg/Kg	₩	05/02/23 18:00	05/03/23 17:48	1
Diesel Range Organics (Over C10-C28)	<15.4	U	51.3	15.4	mg/Kg	₩	05/02/23 18:00	05/03/23 17:48	1
Oll Range Organics (Over C28-C36)	<15.4	U	51.3	15.4	mg/Kg	₩	05/02/23 18:00	05/03/23 17:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/02/23 18:00	05/03/23 17:48	1
o-Terphenyl	67	S1-	70 - 130				05/02/23 18:00	05/03/23 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.3	5.15	0.407 mg/Kg	<u></u>		05/06/23 00:38	1

Client Sample ID: FO 31 H-8 Lab Sample ID: 880-27868-14 Date Collected: 05/01/23 16:30 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 94.2

Sample Depth: 0-1

(GRO)-C6-C10

C10-C28)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U *+	0.00212	0.000408	mg/Kg	☼	05/03/23 09:54	05/04/23 06:30	1
Toluene	<0.000483	U *+	0.00212	0.000483	mg/Kg	₩	05/03/23 09:54	05/04/23 06:30	1
Ethylbenzene	<0.000599	U	0.00212	0.000599	mg/Kg	☼	05/03/23 09:54	05/04/23 06:30	1
m-Xylene & p-Xylene	<0.00107	U	0.00424	0.00107	mg/Kg	₽	05/03/23 09:54	05/04/23 06:30	1
o-Xylene	0.000687	J	0.00212	0.000364	mg/Kg	₩	05/03/23 09:54	05/04/23 06:30	1
Xylenes, Total	<0.00107	U	0.00424	0.00107	mg/Kg	₩	05/03/23 09:54	05/04/23 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	-	70 - 130				05/03/23 09:54	05/04/23 06:30	1
1,4-Difluorobenzene (Surr)	111		70 - 130				05/03/23 09:54	05/04/23 06:30	1
- Method: SW846 8015B NM	- Diesel Range	Organics	(DRO) (GC	;)					
Analyte		Qualifier	RL	•	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	16.8	ī	52.9	15.9	mg/Kg	<u></u>	05/02/23 18:00	05/03/23 18:10	

Eurofins Midland

© 05/02/23 18:00 05/03/23 18:10

52.9

15.9 mg/Kg

45.6 J

Diesel Range Organics (Over

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-8

Date Collected: 05/01/23 16:30

Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-14

Matrix: Solid

Percent Solids: 94.2

Sample Depth: 0-1

Method: SW846 8015B NM - D	_	_		•			Duamanad	A	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.9	U	52.9	15.9	mg/Kg	₩	05/02/23 18:00	05/03/23 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				05/02/23 18:00	05/03/23 18:10	1
o-Terphenyl	68	S1-	70 - 130				05/02/23 18:00	05/03/23 18:10	1
- Method: EPA 300.0 - Anions, I	on Chroma	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4230		26.6	2.10	mg/Kg	-		05/06/23 00:52	5

Client Sample ID: FO 31 H-8 Lab Sample ID: 880-27868-15

Date Collected: 05/01/23 16:00 Date Received: 05/02/23 15:44

Sample Depth: 1-2

Matrix: Solid Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000400	U *+	0.00208	0.000400	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 06:51	1
Toluene	< 0.000474	U *+	0.00208	0.000474	mg/Kg	☼	05/03/23 09:54	05/04/23 06:51	1
Ethylbenzene	0.000704	J	0.00208	0.000588	mg/Kg	≎	05/03/23 09:54	05/04/23 06:51	1
m-Xylene & p-Xylene	<0.00105	U	0.00416	0.00105	mg/Kg	₽	05/03/23 09:54	05/04/23 06:51	1
o-Xylene	<0.000358	U	0.00208	0.000358	mg/Kg	☼	05/03/23 09:54	05/04/23 06:51	1
Xylenes, Total	<0.00105	U	0.00416	0.00105	mg/Kg	₽	05/03/23 09:54	05/04/23 06:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	05/03/23 09:54	05/04/23 06:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130	05/03/23 09:54	05/04/23 06:51	1

Method: SW846 8015B NM - D	iesel Range Organic	s (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.5	J	51.5	15.5	mg/Kg	‡	05/02/23 18:00	05/03/23 18:31	1
Diesel Range Organics (Over C10-C28)	<15.5	U	51.5	15.5	mg/Kg	₩	05/02/23 18:00	05/03/23 18:31	1
Oll Range Organics (Over C28-C36)	<15.5	U	51.5	15.5	mg/Kg	₩	05/02/23 18:00	05/03/23 18:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
							0 = (0 0 (0 0) (0 0 0)	0 = (0 0 (0 0 1 0 0 1	

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1-Chlorooctane	91		70 - 130	05/02/23 18:00	05/03/23 18:31	1
o-Terphenyl	70		70 - 130	05/02/23 18:00	05/03/23 18:31	1
_						

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	432	5.15	0.407 mg/Kg	☼		05/06/23 00:57	1	

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-9

Date Collected: 05/01/23 16:32 Date Received: 05/02/23 15:44

Sample Depth: 0-1

Sample Depth: 1-2

Lab Sample ID: 880-27868-16

Matrix: Solid

Percent Solids: 92.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000417	U *+	0.00216	0.000417	mg/Kg		05/03/23 09:54	05/04/23 07:11	1
Toluene	< 0.000494	U *+	0.00216	0.000494	mg/Kg	₩	05/03/23 09:54	05/04/23 07:11	1
Ethylbenzene	0.000992	J	0.00216	0.000612	mg/Kg	₩	05/03/23 09:54	05/04/23 07:11	1
m-Xylene & p-Xylene	0.00123	J	0.00433	0.00109	mg/Kg	₩	05/03/23 09:54	05/04/23 07:11	1
o-Xylene	0.000485	J	0.00216	0.000372	mg/Kg	₩	05/03/23 09:54	05/04/23 07:11	1
Xylenes, Total	0.00172	J	0.00433	0.00109	mg/Kg	₩	05/03/23 09:54	05/04/23 07:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	174	S1+	70 - 130				05/03/23 09:54	05/04/23 07:11	1
1,4-Difluorobenzene (Surr)	125		70 - 130				05/03/23 09:54	05/04/23 07:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.6	J	53.7	16.1	mg/Kg	‡	05/02/23 18:00	05/03/23 18:54	1
Diesel Range Organics (Over C10-C28)	26.7	J	53.7	16.1	mg/Kg	₩	05/02/23 18:00	05/03/23 18:54	1
Oll Range Organics (Over C28-C36)	<16.1	U	53.7	16.1	mg/Kg	₩	05/02/23 18:00	05/03/23 18:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				05/02/23 18:00	05/03/23 18:54	1
o-Terphenyl	72		70 - 130				05/02/23 18:00	05/03/23 18:54	1

Method: EPA 300.0 - Anions, I	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3860		26.9	2.13	mg/Kg	₩		05/06/23 01:02	5

Client Sample ID: FO 31 H-9 Lab Sample ID: 880-27868-17 Date Collected: 05/01/23 16:25 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 96.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U *+	0.00207	0.000399	mg/Kg	☼	05/03/23 09:54	05/04/23 07:31	1
Toluene	< 0.000473	U *+	0.00207	0.000473	mg/Kg	☼	05/03/23 09:54	05/04/23 07:31	1
Ethylbenzene	<0.000586	U	0.00207	0.000586	mg/Kg	☼	05/03/23 09:54	05/04/23 07:31	1
m-Xylene & p-Xylene	<0.00105	U	0.00415	0.00105	mg/Kg	₩	05/03/23 09:54	05/04/23 07:31	1
o-Xylene	< 0.000357	U	0.00207	0.000357	mg/Kg	☼	05/03/23 09:54	05/04/23 07:31	1
Xylenes, Total	<0.00105	U	0.00415	0.00105	mg/Kg	₩	05/03/23 09:54	05/04/23 07:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				05/03/23 09:54	05/04/23 07:31	1
1,4-Difluorobenzene (Surr)	101		70 - 130				05/03/23 09:54	05/04/23 07:31	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	19.5	J	52.0	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 19:16	1	
Diesel Range Organics (Over C10-C28)	<15.6	U	52.0	15.6	mg/Kg	₩	05/02/23 18:00	05/03/23 19:16	1	

Client Sample ID: FO 31 H-9

Lab Sample ID: 880-27868-17

Date Collected: 05/01/23 16:25 Date Received: 05/02/23 15:44

625

115

Matrix: Solid Percent Solids: 96.0

05/06/23 01:07

05/03/23 09:54 05/04/23 07:52

Sample Depth: 1-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<15.6	U	52.0	15.6	mg/Kg	-	05/02/23 18:00	05/03/23 19:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				05/02/23 18:00	05/03/23 19:16	1
o-Terphenyl	73		70 - 130				05/02/23 18:00	05/03/23 19:16	1
Method: EPA 300.0 - Anions,	lon Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Lab Sample ID: 880-27868-18 Client Sample ID: FO 31 BG-1

5.25

0.415 mg/Kg

Date Collected: 05/01/23 17:00 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 99.8

Sample Depth: 0-1

1,4-Difluorobenzene (Surr)

Chloride

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U *+	0.00199	0.000384	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 07:52	1
Toluene	< 0.000454	U *+	0.00199	0.000454	mg/Kg	₩	05/03/23 09:54	05/04/23 07:52	1
Ethylbenzene	< 0.000563	U	0.00199	0.000563	mg/Kg	₩	05/03/23 09:54	05/04/23 07:52	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101	mg/Kg	₩	05/03/23 09:54	05/04/23 07:52	1
o-Xylene	< 0.000343	U	0.00199	0.000343	mg/Kg	₩	05/03/23 09:54	05/04/23 07:52	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg	₩	05/03/23 09:54	05/04/23 07:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorohenzene (Surr)	98		70 - 130				05/03/23 09:54	05/04/23 07:52	

70 - 130

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.6	J	50.1	15.0	mg/Kg	☆	05/02/23 18:00	05/03/23 19:38	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.1	15.0	mg/Kg	≎	05/02/23 18:00	05/03/23 19:38	1
Oll Range Organics (Over C28-C36)	<15.0	U	50.1	15.0	mg/Kg	₩	05/02/23 18:00	05/03/23 19:38	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				05/02/23 18:00	05/03/23 19:38	1
o-Terphenyl	52	S1-	70 - 130				05/02/23 18:00	05/03/23 19:38	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.2		4.98	0.393	mg/Kg	*		05/06/23 01:11	1

Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 BG-2

Date Collected: 05/01/23 17:10

Date Received: 05/02/23 15:44 Sample Depth: 0-1

Lab Sample ID: 880-27868-19

Matrix: Solid

Percent Solids: 98.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U *+	0.00202	0.000389	mg/Kg	<u></u>	05/03/23 09:54	05/04/23 08:12	1
Toluene	<0.000460	U *+	0.00202	0.000460	mg/Kg	☼	05/03/23 09:54	05/04/23 08:12	1
Ethylbenzene	< 0.000571	U	0.00202	0.000571	mg/Kg	₩	05/03/23 09:54	05/04/23 08:12	1
m-Xylene & p-Xylene	<0.00102	U	0.00404	0.00102	mg/Kg	₩	05/03/23 09:54	05/04/23 08:12	1
o-Xylene	< 0.000347	U	0.00202	0.000347	mg/Kg	₩	05/03/23 09:54	05/04/23 08:12	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg	₩	05/03/23 09:54	05/04/23 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				05/03/23 09:54	05/04/23 08:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/03/23 09:54	05/04/23 08:12	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.0	J	50.4	15.1	mg/Kg	*	05/02/23 18:00	05/03/23 20:00	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.4	15.1	mg/Kg	₩	05/02/23 18:00	05/03/23 20:00	1
Oll Range Organics (Over C28-C36)	<15.1	U	50.4	15.1	mg/Kg	₩	05/02/23 18:00	05/03/23 20:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				05/02/23 18:00	05/03/23 20:00	1
o-Terphenyl	62	S1-	70 - 130				05/02/23 18:00	05/03/23 20:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	233		5.01	0.396	mg/Kg	₩		05/06/23 01:16	1

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	t Surrogate Recovery (Acc
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-27868-1	FO 31 H-1-(0-1)	212 S1+	112	
880-27868-1 MS	FO 31 H-1-(0-1)	109	98	
880-27868-1 MSD	FO 31 H-1-(0-1)	114	102	
880-27868-2	FO 31 H-1-(1-2)	104	104	
880-27868-3	FO 31 H-1-(2-3)	103	141 S1+	
880-27868-4	FO 31 H-2-(0-1)	104	106	
880-27868-5	FO 31 H-2-(1-2)	113	104	
880-27868-6	FO 31 H-3-(0-1)	104	102	
880-27868-7	FO 31 H-3-(1-2)	107	104	
880-27868-8	FO 31 H-4-(0-1)	104	103	
880-27868-9	FO 31 H-4-(1-2)	104	100	
880-27868-10	FO 31 H-5-(0-1)	111	107	
880-27868-11	FO 31 H-5 (1-2)	96	137 S1+	
880-27868-12	FO 31 H-7 (0-1)	98	104	
880-27868-13	FO 31 H-7 (1-2)	96	107	
880-27868-14	FO 31 H-8	103	111	
880-27868-15	FO 31 H-8	104	110	
880-27868-16	FO 31 H-9	174 S1+	125	
880-27868-17	FO 31 H-9	104	101	
880-27868-18	FO 31 BG-1	98	115	
880-27868-19	FO 31 BG-2	102	105	
LCS 880-52482/1-A	Lab Control Sample	110	100	
LCSD 880-52482/2-A	Lab Control Sample Dup	111	105	
MB 880-52364/5-A	Method Blank	89	125	
MB 880-52482/5-A	Method Blank	109	126	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

_			Perce	nt Sur
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-27868-1	FO 31 H-1-(0-1)	98	75	
880-27868-1 MS	FO 31 H-1-(0-1)	91	64 S1-	
880-27868-1 MSD	FO 31 H-1-(0-1)	89	63 S1-	
880-27868-2	FO 31 H-1-(1-2)	90	68 S1-	
880-27868-3	FO 31 H-1-(2-3)	92	70	
880-27868-4	FO 31 H-2-(0-1)	86	63 S1-	
880-27868-5	FO 31 H-2-(1-2)	86	65 S1-	
880-27868-6	FO 31 H-3-(0-1)	95	72	
880-27868-7	FO 31 H-3-(1-2)	87	67 S1-	
880-27868-8	FO 31 H-4-(0-1)	88	67 S1-	
880-27868-9	FO 31 H-4-(1-2)	88	67 S1-	
880-27868-10	FO 31 H-5-(0-1)	87	66 S1-	
880-27868-11	FO 31 H-5 (1-2)	87	66 S1-	
880-27868-12	FO 31 H-7 (0-1)	86	65 S1-	

SDG: JI, NM

Surrogate Summary

Job ID: 880-27868-1 Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

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

Prep Type: Total/NA Matrix: Solid

			Percent Surrogate Recovery	(Acceptance Limits)
		1001	ОТРН1	
Lab Sample ID	Client Sample ID	(70-130)	70-130)	
880-27868-13	FO 31 H-7 (1-2)	88	67 S1-	
880-27868-14	FO 31 H-8	88	68 S1-	
880-27868-15	FO 31 H-8	91	70	
880-27868-16	FO 31 H-9	92	72	
880-27868-17	FO 31 H-9	95	73	
880-27868-18	FO 31 BG-1	71	52 S1-	
880-27868-19	FO 31 BG-2	84	62 S1-	
LCS 880-52399/2-A	Lab Control Sample	105	78	
LCSD 880-52399/3-A	Lab Control Sample Dup	98	73	
MB 880-52399/1-A	Method Blank	113	97	
Surrogate Legend				
1CO = 1-Chlorooctane	9			
OTPH = o-Ternhenyl				

OTPH = o-Terphenyl

Job ID: 880-27868-1

SDG: JI, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-52364/5-A

Matrix: Solid

Analysis Batch: 52442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 52364

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/02/23 09:11	05/03/23 11:26	1
Toluene	< 0.000456	U	0.00200	0.000456	mg/Kg		05/02/23 09:11	05/03/23 11:26	1
Ethylbenzene	< 0.000565	U	0.00200	0.000565	mg/Kg		05/02/23 09:11	05/03/23 11:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/02/23 09:11	05/03/23 11:26	1
o-Xylene	< 0.000344	U	0.00200	0.000344	mg/Kg		05/02/23 09:11	05/03/23 11:26	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/02/23 09:11	05/03/23 11:26	1

MB MB

MB MB

Surrogate	%Recovery Qu	alifier Limits
4-Bromofluorobenzene (Surr)	89	70 - 130
1,4-Difluorobenzene (Surr)	125	70 - 130

05/02/23 09:11 05/03/23 11:26 05/02/23 09:11 05/03/23 11:26

Analyzed

Prepared

Lab Sample ID: MB 880-52482/5-A

Matrix: Solid

Analysis Batch: 52442

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

Prep Batch: 52482

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		05/03/23 09:54	05/04/23 00:07	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		05/03/23 09:54	05/04/23 00:07	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		05/03/23 09:54	05/04/23 00:07	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		05/03/23 09:54	05/04/23 00:07	1
o-Xylene	< 0.000344	U	0.00200	0.000344	mg/Kg		05/03/23 09:54	05/04/23 00:07	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		05/03/23 09:54	05/04/23 00:07	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/03/23 09:54	05/04/23 00:07	1
1,4-Difluorobenzene (Surr)	126		70 - 130	05/03/23 09:54	05/04/23 00:07	1

Lab Sample ID: LCS 880-52482/1-A

Matrix: Solid

Analysis Batch: 52442

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 52482

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1252		mg/Kg		125	70 - 130	
Toluene	0.100	0.1248		mg/Kg		125	70 - 130	
Ethylbenzene	0.100	0.1056		mg/Kg		106	70 - 130	
m-Xylene & p-Xylene	0.200	0.1940		mg/Kg		97	70 - 130	
o-Xylene	0.100	0.09613		mg/Kg		96	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	110	70 - 130
1.4-Difluorobenzene (Surr)	100	70 - 130

Lab Sample ID: LCSD 880-52482/2-A

Matrix: Solid

Analyte Benzene

Analysis Batch: 52442

						Prep Ty	Prep Type: Tota				
						Prep B	atch: {	52482			
Spike	LCSD	LCSD				%Rec		RPD			
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
0.100	0.1327	*+	mg/Kg		133	70 - 130	6	35			

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Page 22 of 45

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

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

Lab Sample ID: LCSD 880-52482/2-A

Matrix: Solid

Analysis Batch: 52442

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 52482

									-
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.1317	*+	mg/Kg		132	70 - 130	5	35
Ethylbenzene	0.100	0.1216		mg/Kg		122	70 - 130	14	35
m-Xylene & p-Xylene	0.200	0.2199		mg/Kg		110	70 - 130	13	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 880-27868-1 MS Client Sample ID: FO 31 H-1-(0-1)

Matrix: Solid

Analysis Batch: 52442

Prep Type: Total/NA Prep Batch: 52482

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.00266	*+	0.105	0.1038		mg/Kg	<u></u>	96	70 - 130	
Toluene	0.0121	*+	0.105	0.1064		mg/Kg	☼	89	70 - 130	
Ethylbenzene	0.00609		0.105	0.1027		mg/Kg	☼	92	70 - 130	
m-Xylene & p-Xylene	0.0107		0.211	0.1868		mg/Kg	☼	83	70 - 130	
o-Xylene	0.00559		0.105	0.08806		mg/Kg	☼	78	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	98	70 - 130

Lab Sample ID: 880-27868-1 MSD

Matrix: Solid

Analysis Batch: 52442

Client Sample ID: FO 31 H-1-(0-1)

Prep Type: Total/NA

Prep Batch: 52482

7											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.00266	*+	0.106	0.09613		mg/Kg	₩	88	70 - 130	8	35
Toluene	0.0121	*+	0.106	0.1028		mg/Kg	₩	85	70 - 130	3	35
Ethylbenzene	0.00609		0.106	0.09513		mg/Kg	₩	84	70 - 130	8	35
m-Xylene & p-Xylene	0.0107		0.212	0.1758		mg/Kg	₩	78	70 - 130	6	35
o-Xylene	0.00559		0.106	0.08370		mg/Kg	₩	74	70 - 130	5	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-52399/1-A

Matrix: Solid

Analysis Batch: 52451

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

Prep Batch: 52399

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Gasoline Range Organics <15.0 U 50.0 15.0 mg/Kg 05/02/23 18:00 05/03/23 08:57 (GRO)-C6-C10

Job ID: 880-27868-1

SDG: JI, NM

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

Lab Sample ID: MB 880-52399/1-A

Matrix: Solid

Analysis Batch: 52451

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 52399

MB MB Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Diesel Range Organics (Over <15.0 U 50.0 15.0 mg/Kg 05/02/23 18:00 05/03/23 08:57 C10-C28) Oll Range Organics (Over C28-C36) <15.0 U 50.0 15.0 mg/Kg 05/02/23 18:00 05/03/23 08:57

MB MB Surrogate %Recovery Qualifier Limits Dil Fac Prepared Analyzed 1-Chlorooctane 113 70 - 130 05/02/23 18:00 05/03/23 08:57 o-Terphenyl 97 70 - 130 05/02/23 18:00 05/03/23 08:57

Lab Sample ID: LCS 880-52399/2-A

Lab Sample ID: LCSD 880-52399/3-A

Matrix: Solid

Analysis Batch: 52451

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

Prep Batch: 52399

LCS LCS Spike %Rec Added Result Qualifier Analyte Unit %Rec Limits 1000 1146 115 Gasoline Range Organics mg/Kg 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1180 118 70 - 130 mg/Kg C10-C28)

LCS LCS

Surrogate Qualifier Limits %Recovery 1-Chlorooctane 105 70 - 130 70 - 130 o-Terphenyl 78

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 52399

Analysis Batch: 52451 Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 1035 mg/Kg 104 70 - 130 10 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1062 mg/Kg 106 70 - 13011 20

C10-C28)

Matrix: Solid

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 98 70 - 130 o-Terphenyl 73 70 - 130

Client Sample ID: FO 31 H-1-(0-1)

Prep Type: Total/NA Prep Batch: 52399

Matrix: Solid Analysis Batch: 52451 Sample Sample Spike MS MS %Rec

Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 18.8 1060 800.3 ✡ 74 70 - 130 mg/Kg (GRO)-C6-C10 26.8 JF1 1060 621.2 F1 56 70 - 130 Diesel Range Organics (Over mg/Kg

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	64	S1-	70 - 130

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Lab Sample ID: 880-27868-1 MS

Job ID: 880-27868-1

SDG: JI, NM

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

Lab Sample ID: 880-27868-1 MSD Client Sample ID: FO 31 H-1-(0-1)

Matrix: Solid

Analysis Batch: 52451

Prep Type: Total/NA

Prep Batch: 52399

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier %Rec Limits **RPD** Limit Analyte Unit D 1060 Gasoline Range Organics 18.8 J 791.6 mg/Kg ₩ 73 70 - 130 1 20 (GRO)-C6-C10 1060 Diesel Range Organics (Over 26.8 JF1 607.2 F1 70 - 130 mg/Kg 55 2 20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	89		70 - 130
o-Terphenyl	63	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-52537/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

MB MB

Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395 U	5.00	0.395	mg/Kg			05/05/23 22:56	1

Lab Sample ID: LCS 880-52537/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	264.5		mg/Kg		106	90 - 110	

Lab Sample ID: LCSD 880-52537/3-A **Client Sample ID: Lab Control Sample Dup Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	262.8		ma/Ka		105	90 - 110		20	

Lab Sample ID: 880-27868-1 MS Client Sample ID: FO 31 H-1-(0-1) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3290	F1	1330	4336	F1	ma/Ka	<u> </u>	79	90 - 110	

Lab Sample ID: 880-27868-1 MSD Client Sample ID: FO 31 H-1-(0-1)

Matrix: Solid

Analysis Batch: 52770

Analysis Daton. 02110											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3290	F1	1330	4359	F1	mg/Kg	<u> </u>	80	90 - 110		20

Eurofins Midland

Prep Type: Soluble

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-27868-11 MS Client Sample ID: FO 31 H-5 (1-2) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

7 , 0.0 0	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	102	F1	257	373.2		mg/Kg	<u></u>	105	90 - 110	

Lab Sample ID: 880-27868-11 MSD Client Sample ID: FO 31 H-5 (1-2) **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 52770

RPD Sample Sample Spike MSD MSD %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit

Chloride 102 F1 257 390.5 F1 mg/Kg 112 90 - 110 5

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

GC VOA

Prep Batch: 52364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-52364/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 52442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Total/NA	Solid	8021B	52482
880-27868-2	FO 31 H-1-(1-2)	Total/NA	Solid	8021B	52482
880-27868-3	FO 31 H-1-(2-3)	Total/NA	Solid	8021B	52482
880-27868-4	FO 31 H-2-(0-1)	Total/NA	Solid	8021B	52482
880-27868-5	FO 31 H-2-(1-2)	Total/NA	Solid	8021B	52482
880-27868-6	FO 31 H-3-(0-1)	Total/NA	Solid	8021B	52482
880-27868-7	FO 31 H-3-(1-2)	Total/NA	Solid	8021B	52482
880-27868-8	FO 31 H-4-(0-1)	Total/NA	Solid	8021B	52482
880-27868-9	FO 31 H-4-(1-2)	Total/NA	Solid	8021B	52482
880-27868-10	FO 31 H-5-(0-1)	Total/NA	Solid	8021B	52482
880-27868-11	FO 31 H-5 (1-2)	Total/NA	Solid	8021B	52482
880-27868-12	FO 31 H-7 (0-1)	Total/NA	Solid	8021B	52482
880-27868-13	FO 31 H-7 (1-2)	Total/NA	Solid	8021B	52482
880-27868-14	FO 31 H-8	Total/NA	Solid	8021B	52482
880-27868-15	FO 31 H-8	Total/NA	Solid	8021B	52482
880-27868-16	FO 31 H-9	Total/NA	Solid	8021B	52482
880-27868-17	FO 31 H-9	Total/NA	Solid	8021B	52482
880-27868-18	FO 31 BG-1	Total/NA	Solid	8021B	52482
880-27868-19	FO 31 BG-2	Total/NA	Solid	8021B	52482
MB 880-52364/5-A	Method Blank	Total/NA	Solid	8021B	52364
MB 880-52482/5-A	Method Blank	Total/NA	Solid	8021B	52482
LCS 880-52482/1-A	Lab Control Sample	Total/NA	Solid	8021B	52482
LCSD 880-52482/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	52482
880-27868-1 MS	FO 31 H-1-(0-1)	Total/NA	Solid	8021B	52482
880-27868-1 MSD	FO 31 H-1-(0-1)	Total/NA	Solid	8021B	52482

Prep Batch: 52482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Total/NA	Solid	5035	
880-27868-2	FO 31 H-1-(1-2)	Total/NA	Solid	5035	
880-27868-3	FO 31 H-1-(2-3)	Total/NA	Solid	5035	
880-27868-4	FO 31 H-2-(0-1)	Total/NA	Solid	5035	
880-27868-5	FO 31 H-2-(1-2)	Total/NA	Solid	5035	
880-27868-6	FO 31 H-3-(0-1)	Total/NA	Solid	5035	
880-27868-7	FO 31 H-3-(1-2)	Total/NA	Solid	5035	
880-27868-8	FO 31 H-4-(0-1)	Total/NA	Solid	5035	
880-27868-9	FO 31 H-4-(1-2)	Total/NA	Solid	5035	
880-27868-10	FO 31 H-5-(0-1)	Total/NA	Solid	5035	
880-27868-11	FO 31 H-5 (1-2)	Total/NA	Solid	5035	
880-27868-12	FO 31 H-7 (0-1)	Total/NA	Solid	5035	
880-27868-13	FO 31 H-7 (1-2)	Total/NA	Solid	5035	
880-27868-14	FO 31 H-8	Total/NA	Solid	5035	
880-27868-15	FO 31 H-8	Total/NA	Solid	5035	
880-27868-16	FO 31 H-9	Total/NA	Solid	5035	
880-27868-17	FO 31 H-9	Total/NA	Solid	5035	
880-27868-18	FO 31 BG-1	Total/NA	Solid	5035	
880-27868-19	FO 31 BG-2	Total/NA	Solid	5035	

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1 SDG: JI, NM

, NM

GC VOA (Continued)

Prep Batch: 52482 (Continued)

Lab Sample ID MB 880-52482/5-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Solid	Method 5035	Prep Batch
LCS 880-52482/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-52482/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-27868-1 MS	FO 31 H-1-(0-1)	Total/NA	Solid	5035	
880-27868-1 MSD	FO 31 H-1-(0-1)	Total/NA	Solid	5035	

4

GC Semi VOA

Prep Batch: 52399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-2	FO 31 H-1-(1-2)	Total/NA	Solid	8015NM Prep	
880-27868-3	FO 31 H-1-(2-3)	Total/NA	Solid	8015NM Prep	
880-27868-4	FO 31 H-2-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-5	FO 31 H-2-(1-2)	Total/NA	Solid	8015NM Prep	
880-27868-6	FO 31 H-3-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-7	FO 31 H-3-(1-2)	Total/NA	Solid	8015NM Prep	
880-27868-8	FO 31 H-4-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-9	FO 31 H-4-(1-2)	Total/NA	Solid	8015NM Prep	
880-27868-10	FO 31 H-5-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-11	FO 31 H-5 (1-2)	Total/NA	Solid	8015NM Prep	
880-27868-12	FO 31 H-7 (0-1)	Total/NA	Solid	8015NM Prep	
880-27868-13	FO 31 H-7 (1-2)	Total/NA	Solid	8015NM Prep	
880-27868-14	FO 31 H-8	Total/NA	Solid	8015NM Prep	
880-27868-15	FO 31 H-8	Total/NA	Solid	8015NM Prep	
880-27868-16	FO 31 H-9	Total/NA	Solid	8015NM Prep	
880-27868-17	FO 31 H-9	Total/NA	Solid	8015NM Prep	
880-27868-18	FO 31 BG-1	Total/NA	Solid	8015NM Prep	
880-27868-19	FO 31 BG-2	Total/NA	Solid	8015NM Prep	
MB 880-52399/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-52399/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-52399/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-27868-1 MS	FO 31 H-1-(0-1)	Total/NA	Solid	8015NM Prep	
880-27868-1 MSD	FO 31 H-1-(0-1)	Total/NA	Solid	8015NM Prep	

Analysis Batch: 52451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-2	FO 31 H-1-(1-2)	Total/NA	Solid	8015B NM	52399
880-27868-3	FO 31 H-1-(2-3)	Total/NA	Solid	8015B NM	52399
880-27868-4	FO 31 H-2-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-5	FO 31 H-2-(1-2)	Total/NA	Solid	8015B NM	52399
880-27868-6	FO 31 H-3-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-7	FO 31 H-3-(1-2)	Total/NA	Solid	8015B NM	52399
880-27868-8	FO 31 H-4-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-9	FO 31 H-4-(1-2)	Total/NA	Solid	8015B NM	52399
880-27868-10	FO 31 H-5-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-11	FO 31 H-5 (1-2)	Total/NA	Solid	8015B NM	52399
880-27868-12	FO 31 H-7 (0-1)	Total/NA	Solid	8015B NM	52399
880-27868-13	FO 31 H-7 (1-2)	Total/NA	Solid	8015B NM	52399
880-27868-14	FO 31 H-8	Total/NA	Solid	8015B NM	52399

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1 SDG: JI, NM

GC Semi VOA (Continued)

Analysis Batch: 52451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-15	FO 31 H-8	Total/NA	Solid	8015B NM	52399
880-27868-16	FO 31 H-9	Total/NA	Solid	8015B NM	52399
880-27868-17	FO 31 H-9	Total/NA	Solid	8015B NM	52399
880-27868-18	FO 31 BG-1	Total/NA	Solid	8015B NM	52399
880-27868-19	FO 31 BG-2	Total/NA	Solid	8015B NM	52399
MB 880-52399/1-A	Method Blank	Total/NA	Solid	8015B NM	52399
LCS 880-52399/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	52399
LCSD 880-52399/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	52399
880-27868-1 MS	FO 31 H-1-(0-1)	Total/NA	Solid	8015B NM	52399
880-27868-1 MSD	FO 31 H-1-(0-1)	Total/NA	Solid	8015B NM	52399

HPLC/IC

Leach Batch: 52537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Soluble	Solid	DI Leach	
880-27868-2	FO 31 H-1-(1-2)	Soluble	Solid	DI Leach	
880-27868-3	FO 31 H-1-(2-3)	Soluble	Solid	DI Leach	
880-27868-4	FO 31 H-2-(0-1)	Soluble	Solid	DI Leach	
880-27868-5	FO 31 H-2-(1-2)	Soluble	Solid	DI Leach	
880-27868-6	FO 31 H-3-(0-1)	Soluble	Solid	DI Leach	
880-27868-7	FO 31 H-3-(1-2)	Soluble	Solid	DI Leach	
880-27868-8	FO 31 H-4-(0-1)	Soluble	Solid	DI Leach	
880-27868-9	FO 31 H-4-(1-2)	Soluble	Solid	DI Leach	
880-27868-10	FO 31 H-5-(0-1)	Soluble	Solid	DI Leach	
880-27868-11	FO 31 H-5 (1-2)	Soluble	Solid	DI Leach	
880-27868-12	FO 31 H-7 (0-1)	Soluble	Solid	DI Leach	
880-27868-13	FO 31 H-7 (1-2)	Soluble	Solid	DI Leach	
880-27868-14	FO 31 H-8	Soluble	Solid	DI Leach	
880-27868-15	FO 31 H-8	Soluble	Solid	DI Leach	
880-27868-16	FO 31 H-9	Soluble	Solid	DI Leach	
880-27868-17	FO 31 H-9	Soluble	Solid	DI Leach	
880-27868-18	FO 31 BG-1	Soluble	Solid	DI Leach	
880-27868-19	FO 31 BG-2	Soluble	Solid	DI Leach	
MB 880-52537/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-52537/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-52537/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-27868-1 MS	FO 31 H-1-(0-1)	Soluble	Solid	DI Leach	
880-27868-1 MSD	FO 31 H-1-(0-1)	Soluble	Solid	DI Leach	
880-27868-11 MS	FO 31 H-5 (1-2)	Soluble	Solid	DI Leach	
880-27868-11 MSD	FO 31 H-5 (1-2)	Soluble	Solid	DI Leach	

Analysis Batch: 52770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Soluble	Solid	300.0	52537
880-27868-2	FO 31 H-1-(1-2)	Soluble	Solid	300.0	52537
880-27868-3	FO 31 H-1-(2-3)	Soluble	Solid	300.0	52537
880-27868-4	FO 31 H-2-(0-1)	Soluble	Solid	300.0	52537
880-27868-5	FO 31 H-2-(1-2)	Soluble	Solid	300.0	52537
880-27868-6	FO 31 H-3-(0-1)	Soluble	Solid	300.0	52537
880-27868-7	FO 31 H-3-(1-2)	Soluble	Solid	300.0	52537

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

HPLC/IC (Continued)

Analysis Batch: 52770 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-8	FO 31 H-4-(0-1)	Soluble	Solid	300.0	52537
880-27868-9	FO 31 H-4-(1-2)	Soluble	Solid	300.0	52537
880-27868-10	FO 31 H-5-(0-1)	Soluble	Solid	300.0	52537
880-27868-11	FO 31 H-5 (1-2)	Soluble	Solid	300.0	52537
880-27868-12	FO 31 H-7 (0-1)	Soluble	Solid	300.0	52537
880-27868-13	FO 31 H-7 (1-2)	Soluble	Solid	300.0	52537
880-27868-14	FO 31 H-8	Soluble	Solid	300.0	52537
880-27868-15	FO 31 H-8	Soluble	Solid	300.0	52537
880-27868-16	FO 31 H-9	Soluble	Solid	300.0	52537
880-27868-17	FO 31 H-9	Soluble	Solid	300.0	52537
880-27868-18	FO 31 BG-1	Soluble	Solid	300.0	52537
880-27868-19	FO 31 BG-2	Soluble	Solid	300.0	52537
MB 880-52537/1-A	Method Blank	Soluble	Solid	300.0	52537
LCS 880-52537/2-A	Lab Control Sample	Soluble	Solid	300.0	52537
LCSD 880-52537/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	52537
880-27868-1 MS	FO 31 H-1-(0-1)	Soluble	Solid	300.0	52537
880-27868-1 MSD	FO 31 H-1-(0-1)	Soluble	Solid	300.0	52537
880-27868-11 MS	FO 31 H-5 (1-2)	Soluble	Solid	300.0	52537
880-27868-11 MSD	FO 31 H-5 (1-2)	Soluble	Solid	300.0	52537

General Chemistry

Analysis Batch: 52599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-27868-1	FO 31 H-1-(0-1)	Total/NA	Solid	D2216	
880-27868-2	FO 31 H-1-(1-2)	Total/NA	Solid	D2216	
880-27868-3	FO 31 H-1-(2-3)	Total/NA	Solid	D2216	
880-27868-4	FO 31 H-2-(0-1)	Total/NA	Solid	D2216	
880-27868-5	FO 31 H-2-(1-2)	Total/NA	Solid	D2216	
880-27868-6	FO 31 H-3-(0-1)	Total/NA	Solid	D2216	
880-27868-7	FO 31 H-3-(1-2)	Total/NA	Solid	D2216	
880-27868-8	FO 31 H-4-(0-1)	Total/NA	Solid	D2216	
880-27868-9	FO 31 H-4-(1-2)	Total/NA	Solid	D2216	
380-27868-10	FO 31 H-5-(0-1)	Total/NA	Solid	D2216	
380-27868-11	FO 31 H-5 (1-2)	Total/NA	Solid	D2216	
380-27868-12	FO 31 H-7 (0-1)	Total/NA	Solid	D2216	
380-27868-13	FO 31 H-7 (1-2)	Total/NA	Solid	D2216	
380-27868-14	FO 31 H-8	Total/NA	Solid	D2216	
380-27868-15	FO 31 H-8	Total/NA	Solid	D2216	
380-27868-16	FO 31 H-9	Total/NA	Solid	D2216	
380-27868-17	FO 31 H-9	Total/NA	Solid	D2216	
880-27868-18	FO 31 BG-1	Total/NA	Solid	D2216	
380-27868-19	FO 31 BG-2	Total/NA	Solid	D2216	
MB 880-52599/1	Method Blank	Total/NA	Solid	D2216	
380-27868-1 DU	FO 31 H-1-(0-1)	Total/NA	Solid	D2216	
880-27868-11 DU	FO 31 H-5 (1-2)	Total/NA	Solid	D2216	

Client Sample ID: FO 31 H-1-(0-1)

Lab Sample ID: 880-27868-1

Lab Sample ID: 880-27868-2

Matrix: Solid

Date Collected: 05/01/23 12:30 Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-1-(0-1)

Lab Sample ID: 880-27868-1 Date Collected: 05/01/23 12:30 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 94.6

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 00:35	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 12:22	AJ	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52770	05/05/23 23:10	SMC	EET MID

Client Sample ID: FO 31 H-1-(1-2)

Date Collected: 05/01/23 12:35 **Matrix: Solid**

Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-1-(1-2)

Lab Sample ID: 880-27868-2 Date Collected: 05/01/23 12:35 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 96.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 00:56	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 13:27	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/05/23 23:25	SMC	EET MID

Client Sample ID: FO 31 H-1-(2-3)

Released to Imaging: 12/20/2024 9:34:34 AM

Lab Sample ID: 880-27868-3 Date Collected: 05/01/23 12:40 **Matrix: Solid**

Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216					52599	05/04/23 11:39	KS	EET MID

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Client Sample ID: FO 31 H-1-(2-3)

Lab Sample ID: 880-27868-3

Matrix: Solid

Date Collected: 05/01/23 12:40 Date Received: 05/02/23 15:44 Percent Solids: 92.9

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 01:16	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 13:49	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/05/23 23:30	SMC	EET MID

Client Sample ID: FO 31 H-2-(0-1)

Lab Sample ID: 880-27868-4

Matrix: Solid

Date Collected: 05/01/23 12:42 Date Received: 05/02/23 15:44

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor** Amount **Amount** Number or Analyzed Analyst Total/NA Analysis D2216 52599 05/04/23 11:39 KS **EET MID**

Client Sample ID: FO 31 H-2-(0-1) Lab Sample ID: 880-27868-4

Date Collected: 05/01/23 12:42 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 95.6

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 01:37	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 14:11	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/05/23 23:35	SMC	EET MID

Client Sample ID: FO 31 H-2-(1-2)

Lab Sample ID: 880-27868-5 Date Collected: 05/01/23 13:10 **Matrix: Solid**

Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-2-(1-2)

Lab Sample ID: 880-27868-5 Date Collected: 05/01/23 13:10 **Matrix: Solid**

Date Received: 05/02/23 15:44 Percent Solids: 96.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 01:57	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 14:32	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/05/23 23:39	SMC	EET MID

Client Sample ID: FO 31 H-3-(0-1)

Lab Sample ID: 880-27868-6

Matrix: Solid

Date Collected: 05/01/23 12:50 Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-3-(0-1)

Lab Sample ID: 880-27868-6 **Matrix: Solid**

Date Collected: 05/01/23 12:50 Date Received: 05/02/23 15:44

Percent Solids: 94.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 02:17	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 14:54	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52770	05/05/23 23:54	SMC	EET MID

Client Sample ID: FO 31 H-3-(1-2)

Lab Sample ID: 880-27868-7 Date Collected: 05/01/23 13:20 **Matrix: Solid**

Date Received: 05/02/23 15:44

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-3-(1-2)

Lab Sample ID: 880-27868-7 Date Collected: 05/01/23 13:20 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 95.1

Batch Batch Dil Initial Final **Batch** Prepared **Prep Type** Type Method **Factor Amount** Amount Number or Analyzed Run Analyst Lab Total/NA Prep 5035 5.02 g 5 mL 52482 05/03/23 09:54 MNR EET MID Total/NA Analysis 8021B 5 mL 5 mL 52442 05/04/23 02:38 MNR 1 **EET MID** Total/NA Prep 8015NM Prep 10.01 g 10 mL 52399 05/02/23 18:00 AJ **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 52451 05/03/23 15:15 AJ **EET MID** Soluble Leach DI Leach 4.98 q 50 mL 52537 05/03/23 14:43 KS **EET MID**

Client Sample ID: FO 31 H-4-(0-1)

Analysis

300.0

Lab Sample ID: 880-27868-8 Date Collected: 05/01/23 12:44 Matrix: Solid

50 mL

50 mL

52770

05/05/23 23:59 SMC

Date Received: 05/02/23 15:44

Soluble

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	D2216					52599	05/04/23 11:39	KS	EET MID	

Eurofins Midland

EET MID

Client Sample ID: FO 31 H-4-(0-1)

Lab Sample ID: 880-27868-8

Matrix: Solid Percent Solids: 92.5

Date Collected: 05/01/23 12:44 Date Received: 05/02/23 15:44

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 02:58	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 15:37	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	52770	05/06/23 00:04	SMC	EET MID

Client Sample ID: FO 31 H-4-(1-2)

Date Collected: 05/01/23 13:25

Lab Sample ID: 880-27868-9 **Matrix: Solid**

Date Received: 05/02/23 15:44

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep 1	Гуре	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/N	NA A	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-4-(1-2)

Lab Sample ID: 880-27868-9 Date Collected: 05/01/23 13:25 **Matrix: Solid** Date Received: 05/02/23 15:44 Percent Solids: 96.0

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 03:19	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 15:59	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 00:08	SMC	EET MID

Client Sample ID: FO 31 H-5-(0-1)

Lab Sample ID: 880-27868-10 Date Collected: 05/01/23 13:55 Matrix: Solid

Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-5-(0-1)

Date Collected: 05/01/23 13:55 Matrix: Solid

Date Received: 05/02/23 15:44 Percent Solids: 96.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 03:39	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 16:20	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52770	05/06/23 00:13	SMC	EET MID

Eurofins Midland

Lab Sample ID: 880-27868-10

Client Sample ID: FO 31 H-5 (1-2)

Lab Sample ID: 880-27868-11

Matrix: Solid

Date Collected: 05/01/23 15:46 Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-5 (1-2)

Lab Sample ID: 880-27868-11 **Matrix: Solid**

Lab Sample ID: 880-27868-12

Date Collected: 05/01/23 15:46 Date Received: 05/02/23 15:44

Percent Solids: 96.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 05:29	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 17:05	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 00:18	SMC	EET MID

Client Sample ID: FO 31 H-7 (0-1)

Lab Sample ID: 880-27868-12 Date Collected: 05/01/23 16:28

Matrix: Solid

Date Received: 05/02/23 15:44

Dil Initial Batch Batch Final Batch Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis D2216 52599 05/04/23 11:39 KS EET MID

Client Sample ID: FO 31 H-7 (0-1)

Date Collected: 05/01/23 16:28 **Matrix: Solid**

Date Received: 05/02/23 15:44 Percent Solids: 96.3

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 05:49	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 17:26	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 00:33	SMC	EET MID

Client Sample ID: FO 31 H-7 (1-2)

Lab Sample ID: 880-27868-13 Date Collected: 05/01/23 15:45 **Matrix: Solid**

Date Received: 05/02/23 15:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	D2216					52599	05/04/23 11:39	KS	EET MID	

Project/Site: Fighting Okra 181911-1

Date Collected: 05/01/23 15:45

Date Received: 05/02/23 15:44

Client Sample ID: FO 31 H-7 (1-2)

Lab Sample ID: 880-27868-13

Matrix: Solid Percent Solids: 97.4

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 06:10	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 17:48	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 00:38	SMC	EET MID

Client Sample ID: FO 31 H-8

Date Collected: 05/01/23 16:30 Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-14 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-8

Date Collected: 05/01/23 16:30 Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-14 **Matrix: Solid** Percent Solids: 94.2

Lab Cample ID: 000 27060 45

_	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 06:30	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 18:10	AJ	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52770	05/06/23 00:52	SMC	EET MID

Client Sample ID: FO 31 H-8

Date Collected: 05 Date Received: 05

ID. FO 31 H-0	Lab Sample 1D. 000-27000-15
05/01/23 16:00	Matrix: Solid
5/02/23 15:44	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-8 Lab Sample ID: 880-27868-15 Date Collected: 05/01/23 16:00 Matrix: Solid

Date Received: 05/02/23 15:44 Percent Solids: 96.7

_	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 06:51	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 18:31	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 00:57	SMC	EET MID

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1 SDG: JI, NM

Client Sample ID: FO 31 H-9

Date Collected: 05/01/23 16:32 Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-9

Date Collected: 05/01/23 16:32

Date Received: 05/02/23 15:44

	o. ,, _o	,		
99	05/04/23 11:39	KS	EET MID	
				٠.

Lab Sample ID: 880-27868-16 **Matrix: Solid** Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 07:11	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 18:54	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	52770	05/06/23 01:02	SMC	EET MID

Client Sample ID: FO 31 H-9

Date Collected: 05/01/23 16:25

Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 H-9

Date Collected: 05/01/23 16:25

Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-17
Matrix: Solid
Percent Solids: 96.0

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 07:31	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 19:16	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 01:07	SMC	EET MID

Client Sample ID: FO 31 BG-1

Date Collected: 05/01/23 17:00

Date Received: 05/02/23 15:44

Lab	Sample	ID:	880-27868-18
			Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 BG-1

Date Collected: 05/01/23 17:00

Date Received: 05/02/23 15:44

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Matrix: Solid

SDG: JI, NM

Percent Solids: 99.8

Job ID: 880-27868-1

Lab Sample ID: 880-27868-18

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 07:52	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 19:38	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 01:11	SMC	EET MID

Client Sample ID: FO 31 BG-2

Date Collected: 05/01/23 17:10 Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-19 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			52599	05/04/23 11:39	KS	EET MID

Client Sample ID: FO 31 BG-2

Date Collected: 05/01/23 17:10 Date Received: 05/02/23 15:44

Lab Sample ID: 880-27868-19 **Matrix: Solid** Percent Solids: 98.8

	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	52482	05/03/23 09:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	52442	05/04/23 08:12	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	52399	05/02/23 18:00	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	52451	05/03/23 20:00	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	52537	05/03/23 14:43	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	52770	05/06/23 01:16	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

Method Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Method	Method Description	Protocol	Laboratory
3021B	Volatile Organic Compounds (GC)	SW846	EET MID
3015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
02216	Percent Moisture	ASTM	EET MID
035	Closed System Purge and Trap	SW846	EET MID
015NM Prep	Microextraction	SW846	EET MID
I 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.

Laboratory References:

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

Sample Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 181911-1

Job ID: 880-27868-1

SDG: JI, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-27868-1	FO 31 H-1-(0-1)	Solid	05/01/23 12:30	05/02/23 15:44	0-1
880-27868-2	FO 31 H-1-(1-2)	Solid	05/01/23 12:35	05/02/23 15:44	1-2
880-27868-3	FO 31 H-1-(2-3)	Solid	05/01/23 12:40	05/02/23 15:44	2-3
880-27868-4	FO 31 H-2-(0-1)	Solid	05/01/23 12:42	05/02/23 15:44	0-1
880-27868-5	FO 31 H-2-(1-2)	Solid	05/01/23 13:10	05/02/23 15:44	1-2
880-27868-6	FO 31 H-3-(0-1)	Solid	05/01/23 12:50	05/02/23 15:44	0-1
880-27868-7	FO 31 H-3-(1-2)	Solid	05/01/23 13:20	05/02/23 15:44	1-2
880-27868-8	FO 31 H-4-(0-1)	Solid	05/01/23 12:44	05/02/23 15:44	0-1
880-27868-9	FO 31 H-4-(1-2)	Solid	05/01/23 13:25	05/02/23 15:44	1-2
880-27868-10	FO 31 H-5-(0-1)	Solid	05/01/23 13:55	05/02/23 15:44	0-1
880-27868-11	FO 31 H-5 (1-2)	Solid	05/01/23 15:46	05/02/23 15:44	1-2
880-27868-12	FO 31 H-7 (0-1)	Solid	05/01/23 16:28	05/02/23 15:44	0-1
880-27868-13	FO 31 H-7 (1-2)	Solid	05/01/23 15:45	05/02/23 15:44	1-2
880-27868-14	FO 31 H-8	Solid	05/01/23 16:30	05/02/23 15:44	0-1
880-27868-15	FO 31 H-8	Solid	05/01/23 16:00	05/02/23 15:44	1-2
880-27868-16	FO 31 H-9	Solid	05/01/23 16:32	05/02/23 15:44	0-1
880-27868-17	FO 31 H-9	Solid	05/01/23 16:25	05/02/23 15:44	1-2
880-27868-18	FO 31 BG-1	Solid	05/01/23 17:00	05/02/23 15:44	0-1
880-27868-19	FO 31 BG-2	Solid	05/01/23 17:10	05/02/23 15:44	0-1

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Circle Method(s) and Metal(s) to be ana

Total 200.7 / 6010

otice 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

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 Eurofins Xenco. A minimum charge of \$8.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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Enviorment Testing

13 14

Chain of Custody

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

Work Order No:

21132944

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<u> </u>	Work Order Comments	nment	S	
خرا	Program: UST/PST☐ PRF☐ Brownfield RRC☐ Superfunc			Superfund
<u> </u>	State of Project.			1
L	Reporting Level III Level III PST/UST TRRF		TRRF	Level I
	Deliverables EDD 🖟 ADaPT 🗆		Other:	

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880-27868 Chain of Custody

SAMPLE RECEIPT

Cooler Custody Seals Samples Received Intact.

Imple Custody Seals

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Sample Identification

Project Number

Project Name

City, State ZIP Address

-435-211

Email

L Campbell

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Address City, State ZIP

CMUNICAMENTE Consulation Name

(amples)

Bill to (if different)

Devon

mergy

Devium Direct

Project Manager Company Name:

Sampler's Name

roject Location

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Chain of Custody

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

Work Order No:

21132944

Xenco

Inviorment Testine

Project Manager

Mad of way

Bill to. (if different)

Devon

Energy

Company Name

Devon Direct () Din con

City, State ZIP

Campbell

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Company Name

City, State ZIP

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	age : IIIOO.COIII	96.		2
	Work Ord	Work Order Comments	ts	
•	Program: UST/PST☐ PRF☐ Brownfield RRd☐ Superfund	rownfields⊟	RRd ☐	Superfund
	State of Project.			i
	Reporting LevelⅡ KLevelⅢ PST/UST TRRF	PST/UST[]	TRRF	Level I
	Deliverables EDD 🙀 AD	ADaPT □	Other	

Project Name Righting Okra 18 19 314 Turn Around	und	ANALYSIS REQUEST	Preservative Codes
Project Number: [331-070 Skoutine 1	□ Rush Pres.	25	None NO DI Water H.O
Project Location Jan Due Date:		,1	
Campbell	received by	ent PH	HCI HC HNO HN
		X	
Yes No Wetice	Yes) No	3c	H,PO, HP
Samples Received Intact: Yes No Thermometer ID 12	ram	1 / M / B / C / C / C / C / C / C / C / C / C	Nation NABIO
Cooler Custody Seals Yes No (N/A Correction Factor:	۱۰	1 Lu	Na-8-D- Nago
No Ñ/A) Temperature Reading	×	56	7. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Corrected Temperature.	チベ	100 mm	NISOH+Assorbia Asid SADO
Sample Identification Matrix Sampled Sampled Depth	oth Grab/ # of	==1 C/110r 8015 802 M	Sample Comments
FO 314 S (1-2) S 5/1/23 1546 1-	1-2 6 2	\frac{1}{7} \times \tim	Rui Dours
FO 3147 (0-1) 1 1628 0-1	_		Code Colonia
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FO 314 8 1630 0-1			のいったからのじて
FO 314 8 1600 1-	.2		7700
			DVA SCISCONI
FO 31H 9 1625 1-	2		L)
FG 314 BG-1 1760 0-			
FOSIH BG-2 V V 1710 6-	100		
Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba	Texas 11 Al	Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO, Na Sr Tl Sn U V Zn	Na Sr Tl Sn ∪ V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP (3010 8RCRA	TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631/	Hg 1631/2451/7470/7471
Notice Signature of this document and relinquishment of samples constitutes a valid purch	ase order from clier	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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge	ny responsibility fo of \$5 for each sam	of Eurofins Xenco Will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	l ted

Loc: 880 **27868**

Revised Date: 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc

Job Number: 880-27868-1

SDG Number: Jl, NM

Login Number: 27868 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurofins Midland

Released to Imaging: 12/20/2024 9:34:34 AM

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 6/14/2023 12:20:24 PM

JOB DESCRIPTION

Fighting Okra 18 19 Fed. 31H (Fighting Okra CTB2)
SDG NUMBER Jal, NM

JOB NUMBER

880-29220-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 6/14/2023 12:20:24 PM

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216 1

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra CTB2) Laboratory Job ID: 880-29220-1 SDG: Jal, NM

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	16
QC Sample Results	18
QC Association Summary	22
Lab Chronicle	25
Certification Summary	31
Method Summary	32
Sample Summary	33
Chain of Custody	34
Receipt Checklists	37

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Definitions/Glossary

Client: Civil & Environmental Consultants Inc

Job ID: 880-29220-1

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

SDG: Jal, NM

CTB2)

Qualifiers

GC VOA

Qualifier Qualifier Description

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

GC Semi VOA

B Compound was found in the blank and sample.

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

HPLC/IC

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 Midland

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Case Narrative

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

Job ID: 880-29220-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-29220-1

Receipt

The samples were received on 6/7/2023 9:36 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 0.3°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: F031H-10 (0-2) (880-29220-1), F031H-11 (0-2) (880-29220-2), F031H-12 (0-1.5) (880-29220-3), F031H-13 (0-1) (880-29220-4), F031H-14 (0-2) (880-29220-5), F031H-14 (2-3.5) (880-29220-6), F031H-15 (0-2) (880-29220-7), F031H-15 (2-3) (880-29220-8), F031H-16 (0-2) (880-29220-9), F031H-17 (0-2) (880-29220-10), F031H-17 (2-4) (880-29220-11), F031H-18 (0-1) (880-29220-12), F031H-19 (0-1.5) (880-29220-13) and F031H-20 (0-1) (880-29220-14).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-55345 recovered above the upper control limit for Benzene, 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. The associated samples are impacted: (CCV 880-55345/2) and (CCV 880-55345/33).

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-55038/2-A). 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 sample was outside control limits: (MB 880-55013/1-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: F031H-10 (0-2) (880-29220-1), F031H-11 (0-2) (880-29220-2), F031H-12 (0-1.5) (880-29220-3), F031H-13 (0-1) (880-29220-4), F031H-14 (0-2) (880-29220-5), F031H-14 (2-3.5) (880-29220-6), F031H-15 (0-2) (880-29220-7), F031H-15 (2-3) (880-29220-8), F031H-16 (0-2) (880-29220-9), F031H-17 (0-2) (880-29220-10), F031H-17 (2-4) (880-29220-11), F031H-18 (0-1) (880-29220-12), F031H-19 (0-1.5) (880-29220-13), F031H-20 (0-1) (880-29220-14), (MB 880-55013/1-A), (880-29220-A-1-C MS) and (880-29220-A-1-D MSD). 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.

HPLC/IC

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

General Chemistry

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

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Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-1

Matrix: Solid

SDG: Jal, NM

Percent Solids: 87.2

Job ID: 880-29220-1

Client Sample ID: F031H-10 (0-2) Date Collected: 06/05/23 10:58

Date Received: 06/07/23 09:36

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000437	U	0.00227	0.000437	mg/Kg	*	06/08/23 13:22	06/12/23 23:06	1
Toluene	<0.000518	U	0.00227	0.000518	mg/Kg	₽	06/08/23 13:22	06/12/23 23:06	1
Ethylbenzene	<0.000642	U	0.00227	0.000642	mg/Kg	₽	06/08/23 13:22	06/12/23 23:06	1
m-Xylene & p-Xylene	<0.00115	U	0.00454	0.00115	mg/Kg	₽	06/08/23 13:22	06/12/23 23:06	1
o-Xylene	< 0.000391	U	0.00227	0.000391	mg/Kg	₽	06/08/23 13:22	06/12/23 23:06	1
Xylenes, Total	<0.00115	U	0.00454	0.00115	mg/Kg	₩	06/08/23 13:22	06/12/23 23:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				06/08/23 13:22	06/12/23 23:06	1
1,4-Difluorobenzene (Surr)	83		70 ₋ 130				06/08/23 13:22	06/12/23 23:06	1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.4	J B	57.2	17.2	mg/Kg	*	06/08/23 09:14	06/09/23 21:38	1
Diesel Range Organics (Over C10-C28)	21.2	J	57.2	17.2	mg/Kg	₽	06/08/23 09:14	06/09/23 21:38	1
Oll Range Organics (Over C28-C36)	<17.2	U	57.2	17.2	mg/Kg	₩	06/08/23 09:14	06/09/23 21:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				06/08/23 09:14	06/09/23 21:38	1
o-Terphenyl	111		70 - 130				06/08/23 09:14	06/09/23 21:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
	Chloride	543	5.70	0.450 ma/Ka	<u></u>		06/08/23 23:06			

Client Sample ID: F031H-11 (0-2)

Date Collected: 06/05/23 11:05 Date Received: 06/07/23 09:36

Sample Depth: 0-2

Gasoline Range Organics

Released to Imaging: 12/20/2024 9:34:34 AM

(GRO)-C6-C10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000406	U	0.00211	0.000406	mg/Kg		06/08/23 13:22	06/12/23 23:32	1
Toluene	<0.000481	U	0.00211	0.000481	mg/Kg	₩	06/08/23 13:22	06/12/23 23:32	1
Ethylbenzene	< 0.000596	U	0.00211	0.000596	mg/Kg	₩	06/08/23 13:22	06/12/23 23:32	1
m-Xylene & p-Xylene	<0.00107	U	0.00422	0.00107	mg/Kg	₩	06/08/23 13:22	06/12/23 23:32	1
o-Xylene	< 0.000363	U	0.00211	0.000363	mg/Kg	₩	06/08/23 13:22	06/12/23 23:32	1
Xylenes, Total	<0.00107	U	0.00422	0.00107	mg/Kg	₽	06/08/23 13:22	06/12/23 23:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/08/23 13:22	06/12/23 23:32	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/08/23 13:22	06/12/23 23:32	1

RL

52.3

MDL Unit

15.7 mg/Kg

D

Prepared

06/08/23 09:14

Eurofins Midland

Analyzed

06/09/23 22:44

Result Qualifier

23.8 JB

Dil Fac

Lab Sample ID: 880-29220-2

Matrix: Solid Percent Solids: 95.4

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-2

Lab Sample ID: 880-29220-3

Matrix: Solid

Percent Solids: 95.1

Matrix: Solid

SDG: Jal, NM

Percent Solids: 95.4

Job ID: 880-29220-1

Client Sample ID: F031H-11 (0-2)

Date Collected: 06/05/23 11:05 Date Received: 06/07/23 09:36

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<15.7	U	52.3	15.7	mg/Kg	<u></u>	06/08/23 09:14	06/09/23 22:44	1
Oll Range Organics (Over C28-C36)	<15.7	U	52.3	15.7	mg/Kg	₩	06/08/23 09:14	06/09/23 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				06/08/23 09:14	06/09/23 22:44	1
o-Terphenyl	105		70 - 130				06/08/23 09:14	06/09/23 22:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2030		26.4	2.09	mg/Kg	<u></u>		06/08/23 23:12	5

Client Sample ID: F031H-12 (0-1.5)

Date Collected: 06/05/23 11:12

Date Received: 06/07/23 09:36

Sample Depth: 0-1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000409	U	0.00213	0.000409	mg/Kg	*	06/08/23 13:22	06/12/23 23:57	1
Toluene	<0.000485	U	0.00213	0.000485	mg/Kg	₽	06/08/23 13:22	06/12/23 23:57	1
Ethylbenzene	<0.000600	U	0.00213	0.000600	mg/Kg	₽	06/08/23 13:22	06/12/23 23:57	1
m-Xylene & p-Xylene	<0.00107	U	0.00425	0.00107	mg/Kg	₽	06/08/23 13:22	06/12/23 23:57	1
o-Xylene	<0.000366	U	0.00213	0.000366	mg/Kg	₽	06/08/23 13:22	06/12/23 23:57	1
Xylenes, Total	<0.00107	U	0.00425	0.00107	mg/Kg	₩	06/08/23 13:22	06/12/23 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/08/23 13:22	06/12/23 23:57	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/08/23 13:22	06/12/23 23:57	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.8	J B	52.6	15.8	mg/Kg	<u></u>	06/08/23 09:14	06/09/23 23:05	1
Diesel Range Organics (Over C10-C28)	23.7	J	52.6	15.8	mg/Kg	₩	06/08/23 09:14	06/09/23 23:05	1
Oll Range Organics (Over C28-C36)	<15.8	U	52.6	15.8	mg/Kg	₽	06/08/23 09:14	06/09/23 23:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				06/08/23 09:14	06/09/23 23:05	1
o-Terphenyl	113		70 ₋ 130				06/08/23 09:14	06/09/23 23:05	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1510	26.1	2.07 mg/Kg	₽		06/08/23 23:17	5

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-4

Matrix: Solid

SDG: Jal, NM

Percent Solids: 83.2

Job ID: 880-29220-1

Client Sample ID: F031H-13 (0-1)

Date Collected: 06/05/23 11:17 Date Received: 06/07/23 09:36

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000464	U	0.00241	0.000464	mg/Kg		06/08/23 13:22	06/13/23 00:23	1
Toluene	< 0.000549	U	0.00241	0.000549	mg/Kg	₽	06/08/23 13:22	06/13/23 00:23	1
Ethylbenzene	<0.000681	U	0.00241	0.000681	mg/Kg	₽	06/08/23 13:22	06/13/23 00:23	1
m-Xylene & p-Xylene	<0.00122	U	0.00482	0.00122	mg/Kg	₽	06/08/23 13:22	06/13/23 00:23	1
o-Xylene	<0.000414	U	0.00241	0.000414	mg/Kg	₽	06/08/23 13:22	06/13/23 00:23	1
Xylenes, Total	<0.00122	U	0.00482	0.00122	mg/Kg	₩	06/08/23 13:22	06/13/23 00:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				06/08/23 13:22	06/13/23 00:23	1
1,4-Difluorobenzene (Surr)	87		70 ₋ 130				06/08/23 13:22	06/13/23 00:23	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	36.0	J B	60.0	18.0	mg/Kg	-	06/08/23 09:14	06/09/23 23:27	1
Diesel Range Organics (Over C10-C28)	<18.0	U	60.0	18.0	mg/Kg	₽	06/08/23 09:14	06/09/23 23:27	1
Oll Range Organics (Over C28-C36)	<18.0	U	60.0	18.0	mg/Kg	\$	06/08/23 09:14	06/09/23 23:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130				06/08/23 09:14	06/09/23 23:27	1
o-Terphenyl	105		70 - 130				06/08/23 09:14	06/09/23 23:27	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	;						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.9		6.00	0.474	mg/Kg	<u></u>		06/08/23 23:22	1

Client Sample ID: F031H-14 (0-2)

Gasoline Range Organics

(GRO)-C6-C10

Client Sample ID: F031H-14 (0-2)	Lab Sample ID: 880-29220-5
Date Collected: 06/05/23 11:20	Matrix: Solid
Date Received: 06/07/23 09:36	Percent Solids: 93.3
Sample Depth: 0-2	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000410	U	0.00213	0.000410	mg/Kg	*	06/08/23 13:22	06/13/23 02:05	1
Toluene	<0.000486	U	0.00213	0.000486	mg/Kg	₩	06/08/23 13:22	06/13/23 02:05	1
Ethylbenzene	<0.000602	U	0.00213	0.000602	mg/Kg	₽	06/08/23 13:22	06/13/23 02:05	1
m-Xylene & p-Xylene	<0.00108	U	0.00426	0.00108	mg/Kg		06/08/23 13:22	06/13/23 02:05	1
o-Xylene	< 0.000367	U	0.00213	0.000367	mg/Kg	₩	06/08/23 13:22	06/13/23 02:05	1
Xylenes, Total	<0.00108	U	0.00426	0.00108	mg/Kg	₩	06/08/23 13:22	06/13/23 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				06/08/23 13:22	06/13/23 02:05	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/08/23 13:22	06/13/23 02:05	1

06/09/23 23:49

53.6

46.1 JB

16.1 mg/Kg

06/08/23 09:14

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-5

Matrix: Solid

SDG: Jal, NM

Percent Solids: 93.3

Job ID: 880-29220-1

Client Sample ID: F031H-14 (0-2) Date Collected: 06/05/23 11:20

Date Received: 06/07/23 09:36 Sample Depth: 0-2

Michiga. Offoro ou lob Min - Dica	ci italige Orge	illies (Bite)	(CC) (Continue	<i>,</i> u,					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<16.1	U	53.6	16.1	mg/Kg	‡	06/08/23 09:14	06/09/23 23:49	1
OII Range Organics (Over C28-C36)	<16.1	U	53.6	16.1	mg/Kg	₽	06/08/23 09:14	06/09/23 23:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	140	S1+	70 - 130				06/08/23 09:14	06/09/23 23:49	1
o-Terphenyl	110		70 - 130				06/08/23 09:14	06/09/23 23:49	1

Method: EPA 300.0 - Anions, Ion C									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		5.36	0.423	mg/Kg	#		06/08/23 23:28	1

Client Sample ID: F031H-14 (2-3.5)

Date Collected: 06/05/23 11:24 Date Received: 06/07/23 09:36

Sample Depth: 2-3.5

Lab Sample ID: 880-29220-6

Matrix: Solid

Percent Solids: 95.6

Method: SW846 8021B - Vo	latile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000399	U	0.00207	0.000399	mg/Kg	*	06/08/23 13:22	06/13/23 02:30	1
Toluene	<0.000472	U	0.00207	0.000472	mg/Kg	₽	06/08/23 13:22	06/13/23 02:30	1
Ethylbenzene	<0.000585	U	0.00207	0.000585	mg/Kg	₩	06/08/23 13:22	06/13/23 02:30	1
m-Xylene & p-Xylene	<0.00105	U	0.00414	0.00105	mg/Kg	₽	06/08/23 13:22	06/13/23 02:30	1
o-Xylene	< 0.000356	U	0.00207	0.000356	mg/Kg	₽	06/08/23 13:22	06/13/23 02:30	1
Xylenes, Total	<0.00105	U	0.00414	0.00105	mg/Kg	₽	06/08/23 13:22	06/13/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	06/08/23 13:22	06/13/23 02:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130	06/08/23 13:22	06/13/23 02:30	1

	esel Range Organics (DRO) (GC)

	•	, ,	· /						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	27.9	JB	52.1	15.6	mg/Kg		06/08/23 09:14	06/10/23 00:11	1
Diesel Range Organics (Over C10-C28)	196		52.1	15.6	mg/Kg	₩	06/08/23 09:14	06/10/23 00:11	1
OII Range Organics (Over C28-C36)	<15.6	U	52.1	15.6	mg/Kg	₽	06/08/23 09:14	06/10/23 00:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130				06/08/23 09:14	06/10/23 00:11	1
o-Terphenyl	107		70 - 130				06/08/23 09:14	06/10/23 00:11	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	754	5.22	0.412 mg/Kg	— <u> </u>		06/08/23 23:44	1

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Client Sample ID: F031H-15 (0-2)

Date Collected: 06/05/23 11:28 Date Received: 06/07/23 09:36

Sample Depth: 0-2

Lab Sample ID: 880-29220-7

Job ID: 880-29220-1

SDG: Jal, NM

Matrix: Solid Percent Solids: 94.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000408	U	0.00212	0.000408	mg/Kg	*	06/08/23 13:22	06/13/23 02:56	1
Toluene	<0.000483	U	0.00212	0.000483	mg/Kg	₩	06/08/23 13:22	06/13/23 02:56	1
Ethylbenzene	<0.000598	U	0.00212	0.000598	mg/Kg	₽	06/08/23 13:22	06/13/23 02:56	1
m-Xylene & p-Xylene	<0.00107	U	0.00424	0.00107	mg/Kg	₩	06/08/23 13:22	06/13/23 02:56	1
o-Xylene	< 0.000364	U	0.00212	0.000364	mg/Kg	₽	06/08/23 13:22	06/13/23 02:56	1
Xylenes, Total	<0.00107	U	0.00424	0.00107	mg/Kg	₩	06/08/23 13:22	06/13/23 02:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				06/08/23 13:22	06/13/23 02:56	1
1.4-Difluorobenzene (Surr)	85		70 ₋ 130				06/08/23 13:22	06/13/23 02:56	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	27.3	JB	52.8	15.8	mg/Kg	*	06/08/23 09:14	06/10/23 00:32	1
Diesel Range Organics (Over C10-C28)	21.5	J	52.8	15.8	mg/Kg	₽	06/08/23 09:14	06/10/23 00:32	1
Oll Range Organics (Over C28-C36)	<15.8	U	52.8	15.8	mg/Kg	₩	06/08/23 09:14	06/10/23 00:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	133	S1+	70 - 130				06/08/23 09:14	06/10/23 00:32	1
o-Terphenvl	101		70 - 130				06/08/23 09:14	06/10/23 00:32	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.6	5.24	0.414 mg/Kg			06/08/23 23:49	1

Client Sample ID: F031H-15 (2-3) Lab Sample ID: 880-29220-8 Date Collected: 06/05/23 11:32 **Matrix: Solid**

Date Received: 06/07/23 09:36 Sample Depth: 2-3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000491	U	0.00255	0.000491	mg/Kg	*	06/08/23 13:22	06/13/23 03:21	1
Toluene	<0.000582	U	0.00255	0.000582	mg/Kg	₽	06/08/23 13:22	06/13/23 03:21	1
Ethylbenzene	< 0.000721	U	0.00255	0.000721	mg/Kg	₽	06/08/23 13:22	06/13/23 03:21	1
m-Xylene & p-Xylene	<0.00129	U	0.00510	0.00129	mg/Kg	₩	06/08/23 13:22	06/13/23 03:21	1
o-Xylene	< 0.000439	U	0.00255	0.000439	mg/Kg	₽	06/08/23 13:22	06/13/23 03:21	1
Xylenes, Total	<0.00129	U	0.00510	0.00129	mg/Kg	₽	06/08/23 13:22	06/13/23 03:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				06/08/23 13:22	06/13/23 03:21	1
1,4-Difluorobenzene (Surr)	86		70 - 130				06/08/23 13:22	06/13/23 03:21	1

Eurofins Midland

© 06/08/23 09:14 06/10/23 00:54

64.2

31.3 JB

19.3 mg/Kg

Gasoline Range Organics

(GRO)-C6-C10

Percent Solids: 77.6

Client: Civil & Environmental Consultants Inc

Client Sample ID: F031H-15 (2-3)

Date Collected: 06/05/23 11:32

Date Received: 06/07/23 09:36

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-8

Matrix: Solid

SDG: Jal, NM

Percent Solids: 77.6

Job ID: 880-29220-1

Sample Depth: 2-3

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<19.3	U	64.2	19.3	mg/Kg	₩	06/08/23 09:14	06/10/23 00:54	1
Oll Range Organics (Over C28-C36)	<19.3	U	64.2	19.3	mg/Kg	₽	06/08/23 09:14	06/10/23 00:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				06/08/23 09:14	06/10/23 00:54	1
o-Terphenyl	107		70 - 130				06/08/23 09:14	06/10/23 00:54	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Solu	uble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.3	6.42	0.507	mg/Kg	₩		06/09/23 00:05	1

Client Sample ID: F031H-16 (0-2)

Date Collected: 06/05/23 12:06 Date Received: 06/07/23 09:36

Sample Depth: 0-2

Lab Sample ID: 880-29220-9

Matrix: Solid

Percent Solids: 77.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000498	U	0.00259	0.000498	mg/Kg	₩	06/08/23 13:22	06/13/23 03:46	1
Toluene	< 0.000590	U	0.00259	0.000590	mg/Kg	₽	06/08/23 13:22	06/13/23 03:46	1
Ethylbenzene	<0.000731	U	0.00259	0.000731	mg/Kg	₽	06/08/23 13:22	06/13/23 03:46	1
m-Xylene & p-Xylene	<0.00131	U	0.00517	0.00131	mg/Kg	₽	06/08/23 13:22	06/13/23 03:46	1
o-Xylene	<0.000445	U	0.00259	0.000445	mg/Kg	₽	06/08/23 13:22	06/13/23 03:46	1
Xylenes, Total	<0.00131	U	0.00517	0.00131	mg/Kg	₽	06/08/23 13:22	06/13/23 03:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130				06/08/23 13:22	06/13/23 03:46	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/08/23 13:22	06/13/23 03:46	1
 Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	54.2	JB	64.6	19.4	mg/Kg	— <u> </u>	06/08/23 09:14	06/10/23 01:15	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	54.2	JB	64.6	19.4	mg/Kg	— <u></u>	06/08/23 09:14	06/10/23 01:15	1
(GRO)-C6-C10									
Diesel Range Organics (Over	29.1	J	64.6	19.4	mg/Kg	₽	06/08/23 09:14	06/10/23 01:15	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<19.4	U	64.6	19.4	mg/Kg	₽	06/08/23 09:14	06/10/23 01:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	144	S1+	70 - 130				06/08/23 09:14	06/10/23 01:15	1
o-Terphenyl	113		70 - 130				06/08/23 09:14	06/10/23 01:15	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440	6.41	0.507 mg/Kg	₽		06/09/23 00:10	1

Job ID: 880-29220-1

SDG: Jal, NM

Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Client Sample ID: F031H-17 (0-2)

Lab Sample ID: 880-29220-10

Date Collected: 06/05/23 12:10

Date Received: 06/07/23 09:36

Matrix: Solid
Percent Solids: 82.8

Sample Depth: 0-2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000461	U	0.00240	0.000461	mg/Kg		06/08/23 13:22	06/13/23 04:12	1
Toluene	<0.000546	U	0.00240	0.000546	mg/Kg	₽	06/08/23 13:22	06/13/23 04:12	1
Ethylbenzene	<0.000677	U	0.00240	0.000677	mg/Kg	₽	06/08/23 13:22	06/13/23 04:12	1
m-Xylene & p-Xylene	<0.00121	U	0.00479	0.00121	mg/Kg	₽	06/08/23 13:22	06/13/23 04:12	1
o-Xylene	<0.000412	U	0.00240	0.000412	mg/Kg	₽	06/08/23 13:22	06/13/23 04:12	1
Xylenes, Total	<0.00121	U	0.00479	0.00121	mg/Kg	₩	06/08/23 13:22	06/13/23 04:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/08/23 13:22	06/13/23 04:12	1
1,4-Difluorobenzene (Surr)	83		70 - 130				06/08/23 13:22	06/13/23 04:12	1

Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.0	JB	60.4	18.1	mg/Kg	*	06/08/23 09:14	06/10/23 01:38	1
Diesel Range Organics (Over C10-C28)	<18.1	U	60.4	18.1	mg/Kg	₽	06/08/23 09:14	06/10/23 01:38	1
OII Range Organics (Over C28-C36)	<18.1	U	60.4	18.1	mg/Kg	₽	06/08/23 09:14	06/10/23 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130				06/08/23 09:14	06/10/23 01:38	1
o-Terphenyl	109		70 - 130				06/08/23 09:14	06/10/23 01:38	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		5.99	0.473	mg/Kg	<u></u>		06/09/23 00:16	1

Client Sample ID: F031H-17 (2-4)

Date Collected: 06/05/23 12:16 Date Received: 06/07/23 09:36

Sample Depth: 2-4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000486	U	0.00253	0.000486	mg/Kg	<u></u>	06/08/23 13:22	06/13/23 04:37	1
Toluene	< 0.000576	U	0.00253	0.000576	mg/Kg	₽	06/08/23 13:22	06/13/23 04:37	1
Ethylbenzene	< 0.000714	U	0.00253	0.000714	mg/Kg	₩	06/08/23 13:22	06/13/23 04:37	1
m-Xylene & p-Xylene	<0.00128	U	0.00505	0.00128	mg/Kg		06/08/23 13:22	06/13/23 04:37	1
o-Xylene	< 0.000434	U	0.00253	0.000434	mg/Kg	₩	06/08/23 13:22	06/13/23 04:37	1
Xylenes, Total	<0.00128	U	0.00505	0.00128	mg/Kg	\$	06/08/23 13:22	06/13/23 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130				06/08/23 13:22	06/13/23 04:37	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/08/23 13:22	06/13/23 04:37	1

Eurofins Midland

Lab Sample ID: 880-29220-11

06/08/23 09:14 06/10/23 02:21

Matrix: Solid

Percent Solids: 79.5

62.7

18.8 mg/Kg

33.7 JB

Gasoline Range Organics

(GRO)-C6-C10

Client: Civil & Environmental Consultants Inc

Client Sample ID: F031H-17 (2-4)

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-11

Lab Sample ID: 880-29220-12

Matrix: Solid

SDG: Jal, NM

Percent Solids: 79.5

Job ID: 880-29220-1

Date Collected: 06/05/23 12:16
Date Received: 06/07/23 09:36

Sample Depth: 2-4

Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC) (Continue	ed)					
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<18.8	U	62.7	18.8	mg/Kg	₽	06/08/23 09:14	06/10/23 02:21	1
Oll Range Organics (Over C28-C36)	<18.8	U	62.7	18.8	mg/Kg	₽	06/08/23 09:14	06/10/23 02:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				06/08/23 09:14	06/10/23 02:21	1
o-Terphenyl	111		70 - 130				06/08/23 09:14	06/10/23 02:21	1

Method: EPA 300.0 - Anions, Ion C	hromatography - So	luble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.9	6.34	0.501	mg/Kg	₩		06/09/23 00:21	1

Client Sample ID: F031H-18 (0-1)

Date Collected: 06/05/23 12:20 Date Received: 06/07/23 09:36

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000439	U	0.00228	0.000439	mg/Kg	₽	06/08/23 13:22	06/13/23 05:03	1
Toluene	<0.000520	U	0.00228	0.000520	mg/Kg	₽	06/08/23 13:22	06/13/23 05:03	1
Ethylbenzene	<0.000644	U	0.00228	0.000644	mg/Kg	₽	06/08/23 13:22	06/13/23 05:03	1
m-Xylene & p-Xylene	<0.00115	U	0.00456	0.00115	mg/Kg	₽	06/08/23 13:22	06/13/23 05:03	1
o-Xylene	<0.000392	U	0.00228	0.000392	mg/Kg	₽	06/08/23 13:22	06/13/23 05:03	1
Xylenes, Total	<0.00115	U	0.00456	0.00115	mg/Kg	₩	06/08/23 13:22	06/13/23 05:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				06/08/23 13:22	06/13/23 05:03	1
1,4-Difluorobenzene (Surr)	87		70 - 130				06/08/23 13:22	06/13/23 05:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	50.2	JB	56.8	17.1	mg/Kg		06/08/23 09:14	06/10/23 02:43	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<17.1	U	56.8	17.1	mg/Kg	☼	06/08/23 09:14	06/10/23 02:43	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<17.1	U	56.8	17.1	mg/Kg	₽	06/08/23 09:14	06/10/23 02:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	142	S1+	70 - 130				06/08/23 09:14	06/10/23 02:43	1
o-Terphenyl	110		70 - 130				06/08/23 09:14	06/10/23 02:43	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	74.1	5.70	0.450 mg/Kg	₽		06/09/23 00:26	1

Eurofins Midland

2

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0

11

12

Matrix: Solid

Percent Solids: 87.9

1/

Job ID: 880-29220-1

SDG: Jal, NM

Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Client Sample ID: F031H-19 (0-1.5) Lab Sample ID: 880-29220-13

Date Collected: 06/05/23 12:23 **Matrix: Solid** Date Received: 06/07/23 09:36 Percent Solids: 75.8

Sample Depth: 0-1.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000512	U	0.00266	0.000512	mg/Kg		06/08/23 13:22	06/13/23 05:28	1
Toluene	<0.000607	U	0.00266	0.000607	mg/Kg	₽	06/08/23 13:22	06/13/23 05:28	1
Ethylbenzene	<0.000752	U	0.00266	0.000752	mg/Kg	₽	06/08/23 13:22	06/13/23 05:28	1
m-Xylene & p-Xylene	<0.00134	U	0.00532	0.00134	mg/Kg	₽	06/08/23 13:22	06/13/23 05:28	1
o-Xylene	<0.000458	U	0.00266	0.000458	mg/Kg	₽	06/08/23 13:22	06/13/23 05:28	1
Xylenes, Total	<0.00134	U	0.00532	0.00134	mg/Kg	₩	06/08/23 13:22	06/13/23 05:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/08/23 13:22	06/13/23 05:28	1
1,4-Difluorobenzene (Surr)	84		70 ₋ 130				06/08/23 13:22	06/13/23 05:28	1

Method: SW846 8015B NM - Dies	el Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	36.3	JB	65.9	19.8	mg/Kg	*	06/08/23 09:14	06/10/23 03:04	1
Diesel Range Organics (Over C10-C28)	<19.8	U	65.9	19.8	mg/Kg	₽	06/08/23 09:14	06/10/23 03:04	1
Oll Range Organics (Over C28-C36)	<19.8	U	65.9	19.8	mg/Kg	₽	06/08/23 09:14	06/10/23 03:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	141	S1+	70 - 130				06/08/23 09:14	06/10/23 03:04	1
o-Terphenyl	110		70 - 130				06/08/23 09:14	06/10/23 03:04	1

Method: EPA 300.0 - Anions, Ion Cl	nromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.2	6.53	0.516 mg/Kg	— -		06/09/23 00:32	1

Client Sample ID: F031H-20 (0-1)

31.9 JB

Lab Sample ID: 880-29220-14 Date Collected: 06/05/23 12:43 **Matrix: Solid** Date Received: 06/07/23 09:36 Percent Solids: 97.0

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000396	U	0.00205	0.000396	mg/Kg	*	06/08/23 13:22	06/13/23 05:53	1
Toluene	<0.000468	U	0.00205	0.000468	mg/Kg	₽	06/08/23 13:22	06/13/23 05:53	1
Ethylbenzene	<0.000580	U	0.00205	0.000580	mg/Kg	₩	06/08/23 13:22	06/13/23 05:53	1
m-Xylene & p-Xylene	<0.00104	U	0.00411	0.00104	mg/Kg	₽	06/08/23 13:22	06/13/23 05:53	1
o-Xylene	< 0.000353	U	0.00205	0.000353	mg/Kg	₩	06/08/23 13:22	06/13/23 05:53	1
Xylenes, Total	<0.00104	U	0.00411	0.00104	mg/Kg	₽	06/08/23 13:22	06/13/23 05:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/08/23 13:22	06/13/23 05:53	1
1,4-Difluorobenzene (Surr)	84		70 - 130				06/08/23 13:22	06/13/23 05:53	1

06/08/23 09:14 06/10/23 03:26

51.5

15.4 mg/Kg

Eurofins Midland

Gasoline Range Organics

(GRO)-C6-C10

SDG: Jal, NM

Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Lab Sample ID: 880-29220-14

Client Sample ID: F031H-20 (0-1) Date Collected: 06/05/23 12:43 Matrix: Solid Date Received: 06/07/23 09:36 Percent Solids: 97.0

Sample Depth: 0-1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<15.4	U	51.5	15.4	mg/Kg	*	06/08/23 09:14	06/10/23 03:26	1
C10-C28)									
OII Range Organics (Over C28-C36)	<15.4	U	51.5	15.4	mg/Kg	₩	06/08/23 09:14	06/10/23 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				06/08/23 09:14	06/10/23 03:26	1
o-Terphenyl	107		70 - 130				06/08/23 09:14	06/10/23 03:26	1

- Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		5.13	0.405	mg/Kg	*		06/09/23 00:37	1

Eurofins Midland

Job ID: 880-29220-1

Surrogate Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-29220-1	F031H-10 (0-2)	112	83	
	, ,			
880-29220-2	F031H-11 (0-2)	108	80	
880-29220-3	F031H-12 (0-1.5)	116	87	
880-29220-4	F031H-13 (0-1)	127	87	
880-29220-5	F031H-14 (0-2)	111	80	
880-29220-6	F031H-14 (2-3.5)	118	87	
880-29220-7	F031H-15 (0-2)	123	85	
880-29220-8	F031H-15 (2-3)	126	86	
880-29220-9	F031H-16 (0-2)	128	92	
880-29220-10	F031H-17 (0-2)	122	83	
880-29220-11	F031H-17 (2-4)	129	91	
880-29220-12	F031H-18 (0-1)	123	87	
880-29220-13	F031H-19 (0-1.5)	125	84	
880-29220-14	F031H-20 (0-1)	115	84	
LCS 880-55038/1-A	Lab Control Sample	109	102	
LCSD 880-55038/2-A	Lab Control Sample Dup	113	8 S1-	
MB 880-55038/5-A	Method Blank	66 S1-	80	

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 Limits)
	011 / 0 1 15			
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-29220-1	F031H-10 (0-2)	142 S1+	111	
880-29220-1 MS	F031H-10 (0-2)	159 S1+	116	
880-29220-1 MSD	F031H-10 (0-2)	149 S1+	109	
880-29220-2	F031H-11 (0-2)	135 S1+	105	
880-29220-3	F031H-12 (0-1.5)	145 S1+	113	
880-29220-4	F031H-13 (0-1)	135 S1+	105	
880-29220-5	F031H-14 (0-2)	140 S1+	110	
880-29220-6	F031H-14 (2-3.5)	138 S1+	107	
880-29220-7	F031H-15 (0-2)	133 S1+	101	
880-29220-8	F031H-15 (2-3)	136 S1+	107	
880-29220-9	F031H-16 (0-2)	144 S1+	113	
880-29220-10	F031H-17 (0-2)	139 S1+	109	
880-29220-11	F031H-17 (2-4)	141 S1+	111	
880-29220-12	F031H-18 (0-1)	142 S1+	110	
880-29220-13	F031H-19 (0-1.5)	141 S1+	110	
880-29220-14	F031H-20 (0-1)	137 S1+	107	
LCS 880-55013/2-A	Lab Control Sample	125	97	
LCSD 880-55013/3-A	Lab Control Sample Dup	121	93	
MB 880-55013/1-A	Method Blank	0.02 S1-	0.008 S1-	

1CO = 1-Chlorooctane

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

OTPH = o-Terphenyl

Job ID: 880-29220-1 SDG: Jal, NM

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QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-55038/5-A

Matrix: Solid

Analysis Batch: 55345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55038

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/08/23 13:22	06/12/23 20:06	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/08/23 13:22	06/12/23 20:06	1
Ethylbenzene	< 0.000565	U	0.00200	0.000565	mg/Kg		06/08/23 13:22	06/12/23 20:06	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		06/08/23 13:22	06/12/23 20:06	1
o-Xylene	< 0.000344	U	0.00200	0.000344	mg/Kg		06/08/23 13:22	06/12/23 20:06	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/08/23 13:22	06/12/23 20:06	1

MB MB

Surrogate	%Recovery Qualifie	r Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66 S1-	70 - 130	06/08/23 13:22	06/12/23 20:06	1
1.4-Difluorobenzene (Surr)	80	70 - 130	06/08/23 13:22	06/12/23 20:06	1

Lab Sample ID: LCS 880-55038/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 55345

Prep Type: Total/NA

Prep Batch: 55038

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1224		mg/Kg		122	70 - 130	
Toluene	0.100	0.1119		mg/Kg		112	70 - 130	
Ethylbenzene	0.100	0.1089		mg/Kg		109	70 - 130	
m-Xylene & p-Xylene	0.200	0.2156		mg/Kg		108	70 - 130	
o-Xylene	0.100	0.1103		mg/Kg		110	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1.4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: LCSD 880-55038/2-A

Matrix: Solid

Analysis Batch: 55345

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 55038

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Benzene 0.100 0.1249 mg/Kg 125 70 - 130 2 35 Toluene 0.100 0.1170 mg/Kg 117 70 - 130 35 0.100 Ethylbenzene 0.1163 mg/Kg 116 70 - 130 35 0.200 0.2307 35 m-Xylene & p-Xylene mg/Kg 115 70 - 130 0.100 0.1178 70 - 130 35 o-Xylene mg/Kg 118

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1.4-Difluorobenzene (Surr)	8	S1-	70 - 130

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

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

Lab Sample ID: MB 880-55013/1-A

Matrix: Solid

Analysis Batch: 55082

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 55013

Prep Batch: 55013

Prep Type: Total/NA

ı		MR	MB							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10	16.62	J	50.0	15.0	mg/Kg		06/08/23 09:14	06/09/23 19:43	1
	Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/08/23 09:14	06/09/23 19:43	1
	Oll Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/08/23 09:14	06/09/23 19:43	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	0.02	S1-	70 - 130	06/08/23 09:14	06/09/23 19:43	1
o-Terphenyl	0.008	S1-	70 - 130	06/08/23 09:14	06/09/23 19:43	1

Lab Sample ID: LCS 880-55013/2-A **Client Sample ID: Lab Control Sample Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 55082

•	Spike	LCS LCS				%Rec
Analyte	Added	Result Qualifie	Unit	D	%Rec	Limits
Gasoline Range Organics	1000	845.9	mg/Kg		85	70 - 130
(GRO)-C6-C10						
Diesel Range Organics (Over	1000	868.2	mg/Kg		87	70 - 130
C10-C28)						

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	125	70 - 130
o-Terphenyl	97	70 - 130

Lab Sample ID: LCSD 880-55013/3-A

Matrix: Solid

Analysis Batch: 55082							Prep	Batch:	55013
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	946.4		mg/Kg		95	70 - 130	11	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	931.0		ma/Ka		93	70 - 130	7	20

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 880-29220-1 MS

Matrix: Solid

Analysis Batch: 55082

Client	Sample	ID:	F0311	1 -10 (0	1-21

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 55013

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	30.4	JB	1140	1432		mg/Kg	-	123	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	21.2	J	1140	1198		mg/Kg	⇔	103	70 - 130	
C10-C28)										

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

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

Lab Sample ID: 880-29220-1 MS Client Sample ID: F031H-10 (0-2) **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 55082 Prep Batch: 55013

MS MS Qualifier Limits Surrogate %Recovery 1-Chlorooctane 159 S1+ 70 - 130 o-Terphenyl 116 70 - 130

Lab Sample ID: 880-29220-1 MSD Client Sample ID: F031H-10 (0-2)

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 55082 Prep Batch: 55013 Sample Sample Spike MSD MSD

RPD Result Qualifier Added Qualifier RPD Limit Analyte Result D Limits Unit %Rec Gasoline Range Organics 30.4 JB 1140 1376 ₩ 118 70 - 130 4 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 21.2 J 1140 1116 mg/Kg 24 96 70 - 13020 C10-C28)

MSD MSD %Recovery Qualifier Limits Surrogate 1-Chlorooctane 149 S1+ 70 - 130 70 - 130 o-Terphenyl 109

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-54963/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 55056

MB MB Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride < 0.395 U 5.00 0.395 mg/Kg 06/08/23 21:57

Lab Sample ID: LCS 880-54963/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 55056

LCS LCS Spike %Rec Analyte Added Result Qualifier %Rec Unit Limits Chloride 250 261.8 90 - 110 mg/Kg 105

Lab Sample ID: LCSD 880-54963/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid Analysis Batch: 55056

LCSD LCSD Spike %Rec RPD Added Analyte Result Qualifier Unit %Rec Limits RPD Limit

250 105 Chloride 261.7 mg/Kg 90 _ 110 0

Lab Sample ID: 880-29220-5 MS Client Sample ID: F031H-14 (0-2) **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 55056

Sample Sample Spike MS MS %Rec Qualifier Added Analyte Result Result Qualifier %Rec Limits Unit Chloride 268 427.5 108 90 - 110 137 mg/Kg

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-29220-5 MSD Client Sample ID: F031H-14 (0-2) **Matrix: Solid**

Prep Type: Soluble Analysis Batch: 55056

RPD MSD MSD %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit Limits RPD Limit Chloride 137 268 427.0 mg/Kg ₩ 108 90 - 110 20

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

GC VOA

Prep Batch: 55038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-29220-1	F031H-10 (0-2)	Total/NA	Solid	5035	
880-29220-2	F031H-11 (0-2)	Total/NA	Solid	5035	
880-29220-3	F031H-12 (0-1.5)	Total/NA	Solid	5035	
880-29220-4	F031H-13 (0-1)	Total/NA	Solid	5035	
880-29220-5	F031H-14 (0-2)	Total/NA	Solid	5035	
880-29220-6	F031H-14 (2-3.5)	Total/NA	Solid	5035	
880-29220-7	F031H-15 (0-2)	Total/NA	Solid	5035	
880-29220-8	F031H-15 (2-3)	Total/NA	Solid	5035	
880-29220-9	F031H-16 (0-2)	Total/NA	Solid	5035	
880-29220-10	F031H-17 (0-2)	Total/NA	Solid	5035	
880-29220-11	F031H-17 (2-4)	Total/NA	Solid	5035	
880-29220-12	F031H-18 (0-1)	Total/NA	Solid	5035	
880-29220-13	F031H-19 (0-1.5)	Total/NA	Solid	5035	
880-29220-14	F031H-20 (0-1)	Total/NA	Solid	5035	
MB 880-55038/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-55038/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-55038/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 55345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Total/NA	Solid	8021B	55038
880-29220-2	F031H-11 (0-2)	Total/NA	Solid	8021B	55038
880-29220-3	F031H-12 (0-1.5)	Total/NA	Solid	8021B	55038
880-29220-4	F031H-13 (0-1)	Total/NA	Solid	8021B	55038
880-29220-5	F031H-14 (0-2)	Total/NA	Solid	8021B	55038
880-29220-6	F031H-14 (2-3.5)	Total/NA	Solid	8021B	55038
880-29220-7	F031H-15 (0-2)	Total/NA	Solid	8021B	55038
880-29220-8	F031H-15 (2-3)	Total/NA	Solid	8021B	55038
880-29220-9	F031H-16 (0-2)	Total/NA	Solid	8021B	55038
880-29220-10	F031H-17 (0-2)	Total/NA	Solid	8021B	55038
880-29220-11	F031H-17 (2-4)	Total/NA	Solid	8021B	55038
880-29220-12	F031H-18 (0-1)	Total/NA	Solid	8021B	55038
880-29220-13	F031H-19 (0-1.5)	Total/NA	Solid	8021B	55038
880-29220-14	F031H-20 (0-1)	Total/NA	Solid	8021B	55038
MB 880-55038/5-A	Method Blank	Total/NA	Solid	8021B	55038
LCS 880-55038/1-A	Lab Control Sample	Total/NA	Solid	8021B	55038
LCSD 880-55038/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	55038

GC Semi VOA

Prep Batch: 55013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Total/NA	Solid	8015NM Prep	
880-29220-2	F031H-11 (0-2)	Total/NA	Solid	8015NM Prep	
880-29220-3	F031H-12 (0-1.5)	Total/NA	Solid	8015NM Prep	
880-29220-4	F031H-13 (0-1)	Total/NA	Solid	8015NM Prep	
880-29220-5	F031H-14 (0-2)	Total/NA	Solid	8015NM Prep	
880-29220-6	F031H-14 (2-3.5)	Total/NA	Solid	8015NM Prep	
880-29220-7	F031H-15 (0-2)	Total/NA	Solid	8015NM Prep	
880-29220-8	F031H-15 (2-3)	Total/NA	Solid	8015NM Prep	

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Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

GC Semi VOA (Continued)

Prep Batch: 55013 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-29220-9	F031H-16 (0-2)	Total/NA	Solid	8015NM Prep		
880-29220-10	F031H-17 (0-2)	Total/NA	Solid	8015NM Prep		
880-29220-11	F031H-17 (2-4)	Total/NA	Solid	8015NM Prep		
880-29220-12	F031H-18 (0-1)	Total/NA	Solid	8015NM Prep		
880-29220-13	F031H-19 (0-1.5)	Total/NA	Solid	8015NM Prep		
880-29220-14	F031H-20 (0-1)	Total/NA	Solid	8015NM Prep		
MB 880-55013/1-A	Method Blank	Total/NA	Solid	8015NM Prep		
LCS 880-55013/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep		
LCSD 880-55013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep		
880-29220-1 MS	F031H-10 (0-2)	Total/NA	Solid	8015NM Prep		
880-29220-1 MSD	F031H-10 (0-2)	Total/NA	Solid	8015NM Prep		

Analysis Batch: 55082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-2	F031H-11 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-3	F031H-12 (0-1.5)	Total/NA	Solid	8015B NM	55013
880-29220-4	F031H-13 (0-1)	Total/NA	Solid	8015B NM	55013
880-29220-5	F031H-14 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-6	F031H-14 (2-3.5)	Total/NA	Solid	8015B NM	55013
880-29220-7	F031H-15 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-8	F031H-15 (2-3)	Total/NA	Solid	8015B NM	55013
880-29220-9	F031H-16 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-10	F031H-17 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-11	F031H-17 (2-4)	Total/NA	Solid	8015B NM	55013
880-29220-12	F031H-18 (0-1)	Total/NA	Solid	8015B NM	55013
880-29220-13	F031H-19 (0-1.5)	Total/NA	Solid	8015B NM	55013
880-29220-14	F031H-20 (0-1)	Total/NA	Solid	8015B NM	55013
MB 880-55013/1-A	Method Blank	Total/NA	Solid	8015B NM	55013
LCS 880-55013/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	55013
LCSD 880-55013/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	55013
880-29220-1 MS	F031H-10 (0-2)	Total/NA	Solid	8015B NM	55013
880-29220-1 MSD	F031H-10 (0-2)	Total/NA	Solid	8015B NM	55013

HPLC/IC

Leach Batch: 54963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Soluble	Solid	DI Leach	
880-29220-2	F031H-11 (0-2)	Soluble	Solid	DI Leach	
880-29220-3	F031H-12 (0-1.5)	Soluble	Solid	DI Leach	
880-29220-4	F031H-13 (0-1)	Soluble	Solid	DI Leach	
880-29220-5	F031H-14 (0-2)	Soluble	Solid	DI Leach	
880-29220-6	F031H-14 (2-3.5)	Soluble	Solid	DI Leach	
880-29220-7	F031H-15 (0-2)	Soluble	Solid	DI Leach	
880-29220-8	F031H-15 (2-3)	Soluble	Solid	DI Leach	
880-29220-9	F031H-16 (0-2)	Soluble	Solid	DI Leach	
880-29220-10	F031H-17 (0-2)	Soluble	Solid	DI Leach	
880-29220-11	F031H-17 (2-4)	Soluble	Solid	DI Leach	
880-29220-12	F031H-18 (0-1)	Soluble	Solid	DI Leach	

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Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

HPLC/IC (Continued)

Leach Batch: 54963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-13	F031H-19 (0-1.5)	Soluble	Solid	DI Leach	
880-29220-14	F031H-20 (0-1)	Soluble	Solid	DI Leach	
MB 880-54963/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-54963/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-54963/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-29220-5 MS	F031H-14 (0-2)	Soluble	Solid	DI Leach	
880-29220-5 MSD	F031H-14 (0-2)	Soluble	Solid	DI Leach	

Analysis Batch: 55056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Soluble	Solid	300.0	54963
880-29220-2	F031H-11 (0-2)	Soluble	Solid	300.0	54963
880-29220-3	F031H-12 (0-1.5)	Soluble	Solid	300.0	54963
880-29220-4	F031H-13 (0-1)	Soluble	Solid	300.0	54963
880-29220-5	F031H-14 (0-2)	Soluble	Solid	300.0	54963
880-29220-6	F031H-14 (2-3.5)	Soluble	Solid	300.0	54963
880-29220-7	F031H-15 (0-2)	Soluble	Solid	300.0	54963
880-29220-8	F031H-15 (2-3)	Soluble	Solid	300.0	54963
880-29220-9	F031H-16 (0-2)	Soluble	Solid	300.0	54963
880-29220-10	F031H-17 (0-2)	Soluble	Solid	300.0	54963
880-29220-11	F031H-17 (2-4)	Soluble	Solid	300.0	54963
880-29220-12	F031H-18 (0-1)	Soluble	Solid	300.0	54963
880-29220-13	F031H-19 (0-1.5)	Soluble	Solid	300.0	54963
880-29220-14	F031H-20 (0-1)	Soluble	Solid	300.0	54963
MB 880-54963/1-A	Method Blank	Soluble	Solid	300.0	54963
LCS 880-54963/2-A	Lab Control Sample	Soluble	Solid	300.0	54963
LCSD 880-54963/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	54963
880-29220-5 MS	F031H-14 (0-2)	Soluble	Solid	300.0	54963
880-29220-5 MSD	F031H-14 (0-2)	Soluble	Solid	300.0	54963

General Chemistry

Analysis Batch: 55183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-29220-1	F031H-10 (0-2)	Total/NA	Solid	D2216	
880-29220-2	F031H-11 (0-2)	Total/NA	Solid	D2216	
880-29220-3	F031H-12 (0-1.5)	Total/NA	Solid	D2216	
880-29220-4	F031H-13 (0-1)	Total/NA	Solid	D2216	
880-29220-5	F031H-14 (0-2)	Total/NA	Solid	D2216	
880-29220-6	F031H-14 (2-3.5)	Total/NA	Solid	D2216	
880-29220-7	F031H-15 (0-2)	Total/NA	Solid	D2216	
880-29220-8	F031H-15 (2-3)	Total/NA	Solid	D2216	
880-29220-9	F031H-16 (0-2)	Total/NA	Solid	D2216	
880-29220-10	F031H-17 (0-2)	Total/NA	Solid	D2216	
880-29220-11	F031H-17 (2-4)	Total/NA	Solid	D2216	
880-29220-12	F031H-18 (0-1)	Total/NA	Solid	D2216	
880-29220-13	F031H-19 (0-1.5)	Total/NA	Solid	D2216	
880-29220-14	F031H-20 (0-1)	Total/NA	Solid	D2216	
MB 880-55183/1	Method Blank	Total/NA	Solid	D2216	
880-29220-5 DU	F031H-14 (0-2)	Total/NA	Solid	D2216	

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Page 24 of 37

1

9

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12

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Lab Chronicle

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

Client Sample ID: F031H-10 (0-2)

Date Collected: 06/05/23 10:58 Date Received: 06/07/23 09:36 Lab Sample ID: 880-29220-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-10 (0-2)

Date Collected: 06/05/23 10:58 Date Received: 06/07/23 09:36 Lab Sample ID: 880-29220-1

Matrix: Solid Percent Solids: 87.2

	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/12/23 23:06	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55013	06/08/23 09:14	AJ	EET MIC
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/09/23 21:38	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54963	06/07/23 12:22	KS	EET MIC
Soluble	Analysis	300.0		1			55056	06/08/23 23:06	CH	EET MIC

Client Sample ID: F031H-11 (0-2)

Date Collected: 06/05/23 11:05

Matrix: Solid

Date Received: 06/07/23 09:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-11 (0-2)

Date Collected: 06/05/23 11:05

Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-2

Lab Sample ID: 880-29220-2

Matrix: Solid Percent Solids: 95.4

=	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/12/23 23:32	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/09/23 22:44	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		5			55056	06/08/23 23:12	CH	EET MID

Client Sample ID: F031H-12 (0-1.5)

Date Collected: 06/05/23 11:12

Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216					55183	06/09/23 17:10	KS	EET MID

CTB2)

Lab Sample ID: 880-29220-4

Lab Sample ID: 880-29220-5

Lab Sample ID: 880-29220-3 **Matrix: Solid**

Percent Solids: 95.1

Job ID: 880-29220-1

SDG: Jal, NM

Client Sample ID: F031H-12 (0-1.5)	
Date Collected: 06/05/23 11:12	

Date Received: 06/07/23 09:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/12/23 23:57	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/09/23 23:05	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		5			55056	06/08/23 23:17	СН	EET MID

Client Sample ID: F031H-13 (0-1)

Date Collected: 06/05/23 11:17 Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-4 **Matrix: Solid**

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Amount Amount Number or Analyzed Run Factor Lab Analyst D2216 EET MID 55183 06/09/23 17:10 Total/NA Analysis KS

Client Sample ID: F031H-13 (0-1)

Date Collected: 06/05/23 11:17 **Matrix: Solid** Date Received: 06/07/23 09:36 Percent Solids: 83.2

	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 00:23	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/09/23 23:27	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/08/23 23:22	CH	EET MID

Client Sample ID: F031H-14 (0-2)

Date Collected: 06/05/23 11:20	Matrix: Solid
Date Received: 06/07/23 09:36	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-14 (0-2)	Lab Sample ID: 880-29220-5
Date Collected: 06/05/23 11:20	Matrix: Solid
Date Received: 06/07/23 09:36	Percent Solids: 93.3

	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 02:05	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/09/23 23:49	AJ	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/08/23 23:28	CH	EET MID

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

Lab Sample ID: 880-29220-6 Client Sample ID: F031H-14 (2-3.5)

Date Collected: 06/05/23 11:24 Date Received: 06/07/23 09:36

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-14 (2-3.5) Lab Sample ID: 880-29220-6

Date Collected: 06/05/23 11:24 **Matrix: Solid** Date Received: 06/07/23 09:36 Percent Solids: 95.6

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 02:30	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 00:11	AJ	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/08/23 23:44	CH	EET MID

Client Sample ID: F031H-15 (0-2) Lab Sample ID: 880-29220-7

Date Collected: 06/05/23 11:28 Matrix: Solid Date Received: 06/07/23 09:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-15 (0-2) Lab Sample ID: 880-29220-7

Date Collected: 06/05/23 11:28 **Matrix: Solid** Date Received: 06/07/23 09:36 Percent Solids: 94.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 02:56	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 00:32	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/08/23 23:49	CH	EET MID

Client Sample ID: F031H-15 (2-3) Lab Sample ID: 880-29220-8

Date Collected: 06/05/23 11:32 Date Received: 06/07/23 09:36

Batch Batch Dil Initial Final Batch Prepared Prep Type Type Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Analysis D2216 55183 06/09/23 17:10 EET MID KS

Matrix: Solid

Client Sample ID: F031H-15 (2-3)

CTB2)

Lab Sample ID: 880-29220-8

Job ID: 880-29220-1

SDG: Jal, NM

Date Collected: 0)6/05/23 11:3	2								Matrix: So	olid
Date Received: 0	6/07/23 09:3	6							Percent	Solids: 7	77.6
	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 03:21	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 00:54	AJ	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:05	CH	EET MID

Client Sample ID: F031H-16 (0-2)

Date Collected: 06/05/23 12:06 Date Received: 06/07/23 09:36 Lab Sample ID: 880-29220-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-16 (0-2)

Date Collected: 06/05/23 12:06

Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-9 **Matrix: Solid**

Percent Solids: 77.2

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 03:46	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 01:15	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:10	CH	EET MID

Client Sample ID: F031H-17 (0-2)

Date Collected: 06/05/23 12:10	Matrix: Solid
Date Received: 06/07/23 09:36	

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-17 (0-2)

Date Collected: 06/05/23 12:10

Date Received: 06/07/23 09:36

Lab Sample	ID: 880-29220-10
	Matrix: Solid

Lab Sample ID: 880-29220-10

Percent Solids: 82.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 04:12	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 01:38	AJ	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:16	CH	EET MID

Job ID: 880-29220-1

SDG: Jal, NM

Client Sample ID: F031H-17 (2-4)

Date Collected: 06/05/23 12:16 Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-17 (2-4)

Date Collected: 06/05/23 12:16 Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-11

Matrix: Solid Percent Solids: 79.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 04:37	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 02:21	AJ	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:21	CH	EET MID

Client Sample ID: F031H-18 (0-1)

Date Collected: 06/05/23 12:20

Lab Sample ID: 880-29220-12 **Matrix: Solid**

Date Received: 06/07/23 09:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			55183	06/09/23 17:10	KS	EET MID

Client Sample ID: F031H-18 (0-1)

Date Collected: 06/05/23 12:20

Date Received: 06/07/23 09:36

Lab Sample ID: 880-29220-12 **Matrix: Solid** Percent Solids: 87.9

Lab Sample ID: 880-29220-13

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 05:03	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 02:43	AJ	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:26	CH	EET MID

Client Sample ID: F031H-19 (0-1.5)

Date Collected: 06/05/23 12:23

- Passivadi 06/07/22 00:26

Date Received:	: 06/07/23 09:30	0									_
	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	D2216					55183	06/09/23 17:10	KS	EET MID	_

Eurofins Midland

Matrix: Solid

Lab Chronicle

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-29220-14

Client Sample ID: F031H-19 (0-1.5)

Lab Sample ID: 880-29220-13

 Date Collected: 06/05/23 12:23
 Matrix: Solid

 Date Received: 06/07/23 09:36
 Percent Solids: 75.8

	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 05:28	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 03:04	AJ	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:32	CH	EET MID

Client Sample ID: F031H-20 (0-1)

Lab Sample ID: 880-29220-14

Date Collected: 06/05/23 12:43 Date Received: 06/07/23 09:36

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Amount Amount Number or Analyzed Factor Lab Analyst D2216 EET MID Total/NA 55183 06/09/23 17:10 KS Analysis

Client Sample ID: F031H-20 (0-1)

Date Collected: 06/05/23 12:43

Date Received: 06/07/23 09:36 Percent Solids: 97.0

	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	55038	06/08/23 13:22	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	55345	06/13/23 05:53	AJ	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	55013	06/08/23 09:14	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	55082	06/10/23 03:26	AJ	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	54963	06/07/23 12:22	KS	EET MID
Soluble	Analysis	300.0		1			55056	06/09/23 00:37	CH	EET MID

Laboratory References:

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

Eurofins Midland

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Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1 SDG: Jal, NM

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-25	06-30-23

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Method Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

Volatile Organic Compounds (GC)

Anions, Ion Chromatography

Closed System Purge and Trap

Deionized Water Leaching Procedure

Diesel Range Organics (DRO) (GC)

Method Description

Percent Moisture

Microextraction

CTB2)

Method

8021B

300.0

D2216

5035

DI Leach

8015B NM

8015NM Prep

Job ID: 880-29220-1 SDG: Jal, NM

 Protocol
 Laboratory

 SW846
 EET MID

 SW846
 EET MID

 EPA
 EET MID

EET MID

EPA EET MID

ASTM EET MID

SW846 EET MID

SW846 EET MID

ASTM

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.

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 Fed. 31H (Fighting Okra

CTB2)

Job ID: 880-29220-1

SDG: Jal, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-29220-1	F031H-10 (0-2)	Solid	06/05/23 10:58	06/07/23 09:36	0-2
880-29220-2	F031H-11 (0-2)	Solid	06/05/23 11:05	06/07/23 09:36	0-2
880-29220-3	F031H-12 (0-1.5)	Solid	06/05/23 11:12	06/07/23 09:36	0-1.5
880-29220-4	F031H-13 (0-1)	Solid	06/05/23 11:17	06/07/23 09:36	0-1
880-29220-5	F031H-14 (0-2)	Solid	06/05/23 11:20	06/07/23 09:36	0-2
880-29220-6	F031H-14 (2-3.5)	Solid	06/05/23 11:24	06/07/23 09:36	2-3.5
880-29220-7	F031H-15 (0-2)	Solid	06/05/23 11:28	06/07/23 09:36	0-2
880-29220-8	F031H-15 (2-3)	Solid	06/05/23 11:32	06/07/23 09:36	2-3
880-29220-9	F031H-16 (0-2)	Solid	06/05/23 12:06	06/07/23 09:36	0-2
880-29220-10	F031H-17 (0-2)	Solid	06/05/23 12:10	06/07/23 09:36	0-2
880-29220-11	F031H-17 (2-4)	Solid	06/05/23 12:16	06/07/23 09:36	2-4
880-29220-12	F031H-18 (0-1)	Solid	06/05/23 12:20	06/07/23 09:36	0-1
880-29220-13	F031H-19 (0-1.5)	Solid	06/05/23 12:23	06/07/23 09:36	0-1.5
880-29220-14	F031H-20 (0-1)	Solid	06/05/23 12:43	06/07/23 09:36	0-1

Work Order No: 21/329444

(100 8 # Smjam)

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Chain of Custody

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

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Project Manager La	Laura Campbell Icampb	Icampbell@cecinc.com	c.com	Bill to (if different)	.	Dale V	Dale Woodall				Work O	Order (Work Order Comments	
Company Name C	Civil & Environmental Consultants, Inc	insultants, I	nc	Company Name		Devon	Devon Energy				Program: UST/PST	Brow	nfields RRd	Superfund
Address 7	700 Cherrington Parkway	y		Address						<u> </u>	State of Project:	1		
City, State ZIP M	Moon Twp, PA, 15108			City, State ZIP		Hobbs	Hobbs NM 88240	40			Reporting Level III S Level III PST/UST	□ SR	T/UST	☐ Level I☐
Phone 4	412-249-1547		Email	Dale woodall@dvn com	l@dvn cor		erence pro	ect name a	Reference project name and Devon WO on invoice		Deliverables EDD X	ADaPT	r □ Other	
Project Name (Fig	Fighting Okra 18 19 Fed 31H (Fighting Okra CTB2)		L L	Turn Around	OVALLES TO THE BOOK OF THE PARTY.	THE CONTRACT OF THE CONTRACT OF		TOTAL STREET,	ANALYSIS REQUEST	REQU	JEST in commonwealth contractions. Instantions		Preservative Codes	ve Codes
Project Number C	CEC 331-070			□ Rush	Pres. Code	ON	ON	ON					None NO	DI Water: H ₂ O
Project Location	Jai NM		Due Date										Cool Cool	MeOH Me
	L Campbell		TAT starts the	e day received by									HCL HC	HNO, HN
PO#	Devon WO 21132944		the lab if rec	the lab if received by 4 30pm									H ₂ S0 ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Tegnp Blank	Yes (No.)	Wet Ice	(Kes) No	1939								H,PO, HP	
Samples Received Intact.	(Yes) No	Thermometer ID	ιιD	700									NaHSO4 NABIS	
ದರಿಂರ್ Custody Seals	Yes No (MA) Co	Correction Factor	actor	81									Na ₂ S ₂ O ₃ NaSO ₃	
Sample Custody Seals	Yes No (M/A) Te	Temperature Reading	, Reading	o O				الا					Zn Acetate+NaOH Zn	H Zn
Total Containers	0	Corrected Temperature	emperature	0.3			TXE	njsio					NaOH+Ascorbic Acid SAPC	Acid SAPC
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth Comp	Cont of	801 CPIO		PM					Sample Comments	omments
5031H-1016-2	s	6/8/23	8501	6-2 G	2	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u>	X	×					25.	
F031H-11 ((2-5)	_	1,05	7-0			_							
fa314-12 ((0-1.5)		1112	S-1-0										
F0314-B	(1-0)		1117	1-0										
f031H-14 ((2-0)		11.20	2-0				_						
	(2-35)		ાત્રપ	1-35										
51-H1807	(0-2)		1128	7-0										
F031H- 15	(2-3)		1133	2-3							880-29220 Chain of Custody	nain of C	ustody	
FO3) H-16	(0-2)		1306	1-0		,						_	***************************************	
F03114-17	10-2)	>	1210	10-0	<u> </u>	7	2	2						
Total 200.7 / 6010	200.8 / 6020:	8R	8RCRA 13PPM	PM Texas 11	Al Sb As	As Ba	Be B	Cd Ca	Cr Co Cu	e Pb	Fe Pb Mg Mn Mo Ni K Se Ag	SiO ₂	Na Sr TI Sn U	V Zn
Circle Method(s) and Metal(s) to be analyzed	Metal(s) to be analyze	þə	TCLP / SI	TCLP / SPLP 6010 8R(CRA St	As B	a Be (od Cr C	to Cu Pb Mr	Mo N	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg	1631/	Hq 1631 / 245 1 / 7470 / 7471	7471

of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated 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 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 6/14/2023

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Work Order No: 21/37944

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of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated 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 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

Chain of Custody

29220

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

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Project Manager	Laura Campbell I	icampbell@cecinc com	ecinc com	Bill to (if different)	int)	۵	Dale Woodall	lall						Worl	k Order C	Work Order Comments	
Company Name	Civil & Environmental Consultants Inc	ıtal Consultar	nts Inc	Company Name	ne	De	Devon Energy	rgy				Progra	Program: UST/PST		PRF Brownfields		RR(Superfun
Address	700 Cherrington Parkway	arkway		Address								State o	State of Project:]	l		
City, State ZIP	Moon Twp, PA, 15108	108		City, State ZIP		¥ —	Hobbs NM 88240	88240				Reportii	ng Levell	l ĭ Leve	Reporting Level III Level III PST/UST		TRRH Level I
Phone	412-249-1547		Email	Dale woodall@dvn com	all@dv	moo r	Referenc	e project n	name and [Reference project name and Devon WO on invoice	on invoice	Deliverables	ables EDD	×	ADaPT	- 🗆 Other	Ŀ
Droiset Niews	Fighting Okra 18 19 Fed 31H	31H								NAMA.	1000						
rioject Name	(Fighting Okra CTB2)	akkalmojourusiruskin ukurururuskin kentarururuskin kantarururuska kantarururuska kantarururuska kantarururuska		lurn Around						ANAL	ANAL YSIS KEQUES!	CESI				Preserv	Preservative Codes
Project Number	CEC 331-070		☑ Routine	□ Rush	Code .	ON	ON	ON								None NO	DI Water H
Project Location	Jai NM		Due Date													Cool Cool	MeOH Me
Sampler's Name	L Campbell		TAT starts th	e day received b	T >	(HCL HC	HNO. HN
PO #	Devon WO 21132944		the lab if re	the lab if received by 4 30pm		0.00	Н									H ₂ SO ₄ H ₂	NaOH Na
SAMPLE RECEIPT	Temp Blank	Yes	No Wet Ice	Yes No	ıəşəı	9 3	дΣΙ				······································					H₃PO₄ HP	
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Cooler Custody Seals	Yes No	N/A Correction	Correction Factor		₽ Pa	϶M	WN	:08								Na ₂ S ₂ O ₃ NaSO ₃	ő
으 Sample Custody Seals	Yes No	N/A Tempera	Temperature Reading		Γ	pλ	1-b									Zn Acetate+NaOH Zn	aOH Zn
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			ŀ		+		i l										
Sample Identification	,	Matrix Sampled	Time ed Sampled	Depth Comp	b/ # of np Cont		08		۸,							Sample	Sample Comments
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F0314-18	(0-1)		0221	0-1		1											
F0314-19	(5.1-0)		1223	0-[5]													
F631H - 20	(0-0)	<u>ጉ</u>	1243	N 1-0	₽		 		_								

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Total 200.7 / 6010	10 200.8 / 6020:	ä	8RCRA 13P	13PPM Texas 11	4 4	Sb As	Ba Be	g B	Ca C		J Fe Pt	Co Cu Fe Pb Mg Mn Mo	Mo N K	Se	Ag SiO, N	Na Sr TI Sn (U V Zn
Circle Method(s) and Metal(s) to be analyzed	nd Metal(s) to be an	nalyzed	TCLP / S	TCLP / SPLP 6010 8	RCRA	Sb As	Ba	cg e	ပိ ပ်	8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Mn Mo	N Se	Aq TI U)	a 1631 /	51/74	/ 7471

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25,22	Date/Time				Revised Dale 08/25/2020 Rev 2020 2
Reger Lotte 2922	Received by (Signature)				Revi
	Relinquished by (Signature)				
ļ	Date/Time	6/2/23 0936 2	4	9	
	Received by (Signature)	1000			
	Relinquished by (Signature)	The Sugar	3	S	
R	elea	sed	to 1	ma	ging: 12/20/2024 9:3

Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc

Job Number: 880-29220-1

SDG Number: Jal, NM

Login Number: 29220 List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 9/27/2023 11:48:24 AM

JOB DESCRIPTION

Fighting Okra 18 19 31H (Fighting Okra CTB)

JOB NUMBER

880-33480-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 9/27/2023 11:48:24 AM

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216 2

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB) Laboratory Job ID: 880-33480-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	9
	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	22

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Definitions/Glossary

Client: Civil & Environmental Consultants Inc Job ID: 880-33480-1

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Qualifiers

GC VOA Qualifier

B Compound was found in the blank and sample.

Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1+ Surrogate recovery exceeds control limits, high biased.

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Description

B Compound was found in the blank and sample.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

HPLC/IC

Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

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

Job ID: 880-33480-1

Case Narrative

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-33480-1

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

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

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

Receipt

The samples were received on 9/21/2023 11:13 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 2.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH21 0-1 (880-33480-1), BH21 2-3 (880-33480-2), BH23 0-1 (880-33480-3) and BH23 2-3 (880-33480-4).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-63286 and analytical batch 880-63282 was outside the upper control limits.

Method 8021B: The method blank for preparation batch 880-63020 and analytical batch 880-63282 contained o-Xylene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples 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 method blank for preparation batch 880-63006 and analytical batch 880-63032 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: BH21 0-1 (880-33480-1). 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.

General Chemistry

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

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Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Lab Sample ID: 880-33480-1

Matrix: Solid Percent Solids: 92.6

Job ID: 880-33480-1

Client Sample ID: BH21 0-1

Date Collected: 09/18/23 09:05 Date Received: 09/21/23 11:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000414	U	0.00215	0.000414	mg/Kg		09/21/23 17:02	09/27/23 02:05	1
Toluene	< 0.000491	U	0.00215	0.000491	mg/Kg	₽	09/21/23 17:02	09/27/23 02:05	1
Ethylbenzene	<0.000608	U	0.00215	0.000608	mg/Kg	₽	09/21/23 17:02	09/27/23 02:05	1
m-Xylene & p-Xylene	<0.00109	U	0.00430	0.00109	mg/Kg	₽	09/21/23 17:02	09/27/23 02:05	1
o-Xylene	< 0.000370	U	0.00215	0.000370	mg/Kg	₽	09/21/23 17:02	09/27/23 02:05	1
Xylenes, Total	<0.00109	U	0.00430	0.00109	mg/Kg	₩	09/21/23 17:02	09/27/23 02:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/21/23 17:02	09/27/23 02:05	1
1,4-Difluorobenzene (Surr)	117		70 - 130				09/21/23 17:02	09/27/23 02:05	1

Method. 344040 00 13D MM - Dies	ei Kange Orga	illica (DICO)	(80)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.1	JB	54.1	16.2	mg/Kg	*	09/21/23 14:35	09/22/23 10:38	1
Diesel Range Organics (Over C10-C28)	93.2		54.1	16.2	mg/Kg	₩	09/21/23 14:35	09/22/23 10:38	1
Oll Range Organics (Over C28-C36)	<16.2	U	54.1	16.2	mg/Kg	₽	09/21/23 14:35	09/22/23 10:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				09/21/23 14:35	09/22/23 10:38	1
o-Terphenyl	152	S1+	70 - 130				09/21/23 14:35	09/22/23 10:38	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	t D	Prepared	Analyzed	Dil Fac
Chloride	190	4.96	0.392 mg/l			09/25/23 23:07	1

Client Sample ID: BH21 2-3 Lab Sample ID: 880-33480-2

Date Collected: 09/18/23 09:20 **Matrix: Solid** Date Received: 09/21/23 11:13 Percent Solids: 90.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000422	U	0.00219	0.000422	mg/Kg	₩	09/21/23 17:02	09/27/23 02:26	1
Toluene	<0.000500	U	0.00219	0.000500	mg/Kg	₽	09/21/23 17:02	09/27/23 02:26	1
Ethylbenzene	< 0.000619	U	0.00219	0.000619	mg/Kg	₽	09/21/23 17:02	09/27/23 02:26	1
m-Xylene & p-Xylene	<0.00111	U	0.00438	0.00111	mg/Kg	\$	09/21/23 17:02	09/27/23 02:26	1
o-Xylene	< 0.000377	U	0.00219	0.000377	mg/Kg	₽	09/21/23 17:02	09/27/23 02:26	1
Xylenes, Total	<0.00111	U	0.00438	0.00111	mg/Kg	₽	09/21/23 17:02	09/27/23 02:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				09/21/23 17:02	09/27/23 02:26	1
1,4-Difluorobenzene (Surr)	109		70 - 130				09/21/23 17:02	09/27/23 02:26	1

Analyte	•	nics (DRO) (0 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	34.4		55.2		mg/Kg	<u> </u>	09/21/23 14:35	09/22/23 11:45	1
(GRO)-C6-C10 Diesel Range Organics (Over	46.2	J	55.2	16.6	mg/Kg	₩	09/21/23 14:35	09/22/23 11:45	1
C10-C28) Oll Range Organics (Over C28-C36)	<16.6		55.2	40.0	mg/Kg	₩	09/21/23 14:35	09/22/23 11:45	4

Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Lab Sample ID: 880-33480-2

Client Sample ID: BH21 2-3

09/21/23 17:02 09/27/23 04:16

Matrix: Solid Percent Solids: 90.4

Job ID: 880-33480-1

Date Collected: 09/18/23 09:20 Date Received: 09/21/23 11:13

1,4-Difluorobenzene (Surr)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1 Chlorocatono	100	70 120	00/21/22 14:25	00/22/22 11:45	

100 09/21/23 14:35 09/22/23 11:45 o-Terphenyl 70 - 130 09/21/23 14:35 09/22/23 11:45 113

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

98

Analyte Result Qualifier RLMDL Unit Prepared Analyzed Dil Fac Chloride 161 4.95 0.391 mg/Kg 09/25/23 23:25

Client Sample ID: BH23 0-1 Lab Sample ID: 880-33480-3

Date Collected: 09/18/23 09:42 **Matrix: Solid** Date Received: 09/21/23 11:13 Percent Solids: 93.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000409	U	0.00212	0.000409	mg/Kg	₽	09/21/23 17:02	09/27/23 04:16	1
Toluene	<0.000484	U	0.00212	0.000484	mg/Kg	☼	09/21/23 17:02	09/27/23 04:16	1
Ethylbenzene	<0.000600	U	0.00212	0.000600	mg/Kg	₽	09/21/23 17:02	09/27/23 04:16	1
m-Xylene & p-Xylene	<0.00107	U	0.00425	0.00107	mg/Kg	₽	09/21/23 17:02	09/27/23 04:16	1
o-Xylene	0.000431	J B	0.00212	0.000365	mg/Kg	₽	09/21/23 17:02	09/27/23 04:16	1
Xylenes, Total	<0.00107	U	0.00425	0.00107	mg/Kg	₽	09/21/23 17:02	09/27/23 04:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	77		70 - 130				09/21/23 17:02	09/27/23 04:16	1

70 - 130

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	47.8	JB	53.1	15.9	mg/Kg	*	09/21/23 14:35	09/22/23 12:06	1
Diesel Range Organics (Over C10-C28)	37.8	J	53.1	15.9	mg/Kg	₽	09/21/23 14:35	09/22/23 12:06	1
Oll Range Organics (Over C28-C36)	<15.9	U	53.1	15.9	mg/Kg	₽	09/21/23 14:35	09/22/23 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				09/21/23 14:35	09/22/23 12:06	1
o-Terphenyl	111		70 - 130				09/21/23 14:35	09/22/23 12:06	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	227		5.04	0.398	mg/Kg			09/25/23 23:31	1

Client Sample ID: BH23 2-3 Lab Sample ID: 880-33480-4 Date Collected: 09/18/23 10:10 **Matrix: Solid** Date Received: 09/21/23 11:13 Percent Solids: 95.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000403	U	0.00209	0.000403	mg/Kg	— <u></u>	09/21/23 17:02	09/27/23 04:36	1
Toluene	<0.000477	U	0.00209	0.000477	mg/Kg	₽	09/21/23 17:02	09/27/23 04:36	1
Ethylbenzene	<0.000591	U	0.00209	0.000591	mg/Kg	₩	09/21/23 17:02	09/27/23 04:36	1
m-Xylene & p-Xylene	<0.00106	U	0.00419	0.00106	mg/Kg		09/21/23 17:02	09/27/23 04:36	1
o-Xylene	<0.000360	U	0.00209	0.000360	mg/Kg	₽	09/21/23 17:02	09/27/23 04:36	1
Xylenes, Total	<0.00106	U	0.00419	0.00106	mg/Kg	₩	09/21/23 17:02	09/27/23 04:36	1

Client Sample Results

Client: Civil & Environmental Consultants Inc

Date Received: 09/21/23 11:13

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Lab Sample ID: 880-33480-4

Matrix: Solid Percent Solids: 95.4

Job ID: 880-33480-1

Client Sample ID: BH23 2-3 Date Collected: 09/18/23 10:10

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	09.	9/21/23 17:02	09/27/23 04:36	1
1,4-Difluorobenzene (Surr)	108		70 - 130	09.	9/21/23 17:02	09/27/23 04:36	1
=							

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.6	J B	52.1	15.6	mg/Kg	<u></u>	09/21/23 14:35	09/22/23 12:28	1
Diesel Range Organics (Over C10-C28)	36.6	J	52.1	15.6	mg/Kg	₩	09/21/23 14:35	09/22/23 12:28	1
Oll Range Organics (Over C28-C36)	<15.6	U	52.1	15.6	mg/Kg	₽	09/21/23 14:35	09/22/23 12:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				09/21/23 14:35	09/22/23 12:28	1
o-Terphenyl	112		70 ₋ 130				09/21/23 14:35	09/22/23 12:28	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		5.02	0.397	mg/Kg			09/25/23 23:36	1

Job ID: 880-33480-1

Surrogate Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recover
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-33480-1	BH21 0-1	117	117	
880-33480-2	BH21 2-3	112	109	
880-33480-3	BH23 0-1	77	98	
880-33480-4	BH23 2-3	102	108	
LCS 880-63020/1-A	Lab Control Sample	108	98	
LCSD 880-63020/2-A	Lab Control Sample Dup	107	97	
MB 880-63020/5-A	Method Blank	117	126	
MB 880-63286/5-A	Method Blank	124	137 S1+	

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	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-33480-1	BH21 0-1	131 S1+	152 S1+	
880-33480-1 MS	BH21 0-1	112	112	
880-33480-1 MSD	BH21 0-1	97	93	
880-33480-2	BH21 2-3	100	113	
880-33480-3	BH23 0-1	101	111	
880-33480-4	BH23 2-3	99	112	
CS 880-63006/2-A	Lab Control Sample	95	110	
CSD 880-63006/3-A	Lab Control Sample Dup	96	113	
ИВ 880-63006/1-A	Method Blank	95	111	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-63020/5-A

Lab Sample ID: LCS 880-63020/1-A

Matrix: Solid Analysis Batch: 63282

Xylenes, Total

Matrix: Solid

Client Sample ID: Method Blank

09/26/23 22:52

Prep Type: Total/NA

Prep Batch: 63020

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		09/21/23 17:02	09/26/23 22:52	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		09/21/23 17:02	09/26/23 22:52	
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		09/21/23 17:02	09/26/23 22:52	
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		09/21/23 17:02	09/26/23 22:52	1
o-Xylene	0.0004957	J	0.00200	0.000344	mg/Kg		09/21/23 17:02	09/26/23 22:52	•

0.00400

0.00101 mg/Kg

MB MB

<0.00101 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	09/21/23 17:02	09/26/23 22:52	1
1,4-Difluorobenzene (Surr)	126		70 - 130	09/21/23 17:02	09/26/23 22:52	1

Client Sample ID: Lab Control Sample

09/21/23 17:02

Prep Type: Total/NA

Prep Batch: 63020

Prep Type: Total/NA

Analysis Batch: 63282 LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07564 mg/Kg 76 70 - 130 Toluene 0.100 0.07658 mg/Kg 77 70 - 130 0.100 Ethylbenzene 0.07573 mg/Kg 76 70 - 130 0.200 70 - 130 m-Xylene & p-Xylene 0.1737 mg/Kg 87 0.100 70 - 130 o-Xylene 0.08460 mg/Kg

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 63282

Lab Sample ID: LCSD 880-63020/2-A

Prep Batch: 63020 LCSD LCSD RPD Spike %Rec

Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08419		mg/Kg		84	70 - 130	11	35
Toluene	0.100	0.08114		mg/Kg		81	70 - 130	6	35
Ethylbenzene	0.100	0.08199		mg/Kg		82	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1847		mg/Kg		92	70 - 130	6	35
o-Xylene	0.100	0.08975		mg/Kg		90	70 - 130	6	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: MB 880-63286/5-A

Matrix: Solid

Analysis Batch: 63282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63286 MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		09/26/23 09:26	09/26/23 11:15	1

Eurofins Midland

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

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

Lab Sample ID: MB 880-63286/5-A **Matrix: Solid**

Analysis Batch: 63282

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 63286

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		09/26/23 09:26	09/26/23 11:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		09/26/23 09:26	09/26/23 11:15	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		09/26/23 09:26	09/26/23 11:15	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		09/26/23 09:26	09/26/23 11:15	1
	МВ	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

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

Lab Sample ID: MB 880-63006/1-A

Matrix: Solid

Analysis Batch: 63032

4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)

Client Sample ID: Method Blank

09/26/23 11:15

09/26/23 11:15

09/26/23 09:26

09/26/23 09:26

Prep Type: Total/NA

Prep Batch: 63006

MB MB Dil Fac Result Qualifier RL MDL Unit Prepared Analyte Analyzed Gasoline Range Organics 18.36 J 50.0 15.0 mg/Kg 09/21/23 14:35 09/22/23 08:05 (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 50.0 15.0 mg/Kg 09/21/23 14:35 09/22/23 08:05 C10-C28) Oll Range Organics (Over C28-C36) <15.0 U 50.0 09/21/23 14:35 15.0 mg/Kg 09/22/23 08:05

MR MR

124

137 S1+

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	09/21/23 14:35	09/22/23 08:05	1
o-Terphenyl	111		70 - 130	09/21/23 14:35	09/22/23 08:05	1

Lab Sample ID: LCS 880-63006/2-A

Matrix: Solid

Analysis Batch: 63032

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 63006

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1131		mg/Kg		113	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1110		mg/Kg		111	70 - 130	
C10-C28)								

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 95 o-Terphenyl 110 70 - 130

Lab Sample ID: LCSD 880-63006/3-A

Matrix: Solid

Analysis Batch: 63032

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

Prep Batch: 63006

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1138		mg/Kg		114	70 - 130	1	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1154		mg/Kg		115	70 - 130	4	20
C10-C28)									

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

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

Lab Sample ID: LCSD 880-63006/3-A

Matrix: Solid

Analysis Batch: 63032

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 63006

LCSD LCSD %Recovery Qualifier

Surrogate Limits 1-Chlorooctane 96 70 - 130 o-Terphenyl 113 70 - 130

Lab Sample ID: 880-33480-1 MS Client Sample ID: BH21 0-1

Matrix: Solid Prep Type: Total/NA Analysis Batch: 63032 Prep Batch: 63006

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits 39.1 JΒ 1080 1007 Ö 90 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1080 1183 101 93.2 mg/Kg Ä 70 - 130C10-C28)

MS MS

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

Lab Sample ID: 880-33480-1 MSD

Matrix: Solid

Analysis Batch: 63032

Client Sample ID: BH21 0-1 Prep Type: Total/NA

Prep Batch: 63006

Sample Sample Spike MSD MSD RPD Analyte Result Qualifier hahhA Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 39.1 JΒ 1080 877.8 mg/Kg ₽ 78 70 - 130 14 20 (GRO)-C6-C10 1080 Diesel Range Organics (Over 93.2 1005 mg/Kg 84 70 - 130 16 20 C10-C28)

MSD MSD

Surrogate	%Recovery Q	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	93		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-63035/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 63235

мв мв

Dil Fac Analyte Result Qualifier RL MDL Unit Prepared Analyzed Chloride <0.395 U 5.00 0.395 mg/Kg 09/25/23 22:50

Lab Sample ID: LCS 880-63035/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 63235

	Spil	e LCS	LCS				%Rec	
Analyte	Adde	d Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	25	U 243.J		mg/Kg		100	90 - 110	

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-63035/3-A

Matrix: Solid

Analysis Batch: 63235

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 249.6 mg/Kg 100 90 - 110 0 20

Lab Sample ID: 880-33480-1 MS Client Sample ID: BH21 0-1 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 63235

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit D %Rec Limits Chloride 190 248 426.3 mg/Kg 95 90 - 110

Lab Sample ID: 880-33480-1 MSD Client Sample ID: BH21 0-1 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 63235

Sample Sample MSD MSD %Rec RPD Spike Analyte Result Qualifier Added Result Qualifier Unit Limits **RPD** Limit Chloride 190 248 426.0 90 - 110 20 mg/Kg

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

GC VOA

Prep Batch: 63020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Total/NA	Solid	5035	
880-33480-2	BH21 2-3	Total/NA	Solid	5035	
880-33480-3	BH23 0-1	Total/NA	Solid	5035	
880-33480-4	BH23 2-3	Total/NA	Solid	5035	
MB 880-63020/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-63020/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-63020/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 63282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Total/NA	Solid	8021B	63020
880-33480-2	BH21 2-3	Total/NA	Solid	8021B	63020
880-33480-3	BH23 0-1	Total/NA	Solid	8021B	63020
880-33480-4	BH23 2-3	Total/NA	Solid	8021B	63020
MB 880-63020/5-A	Method Blank	Total/NA	Solid	8021B	63020
MB 880-63286/5-A	Method Blank	Total/NA	Solid	8021B	63286
LCS 880-63020/1-A	Lab Control Sample	Total/NA	Solid	8021B	63020
LCSD 880-63020/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	63020

Prep Batch: 63286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-63286/5-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 63006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Total/NA	Solid	8015NM Prep	
880-33480-2	BH21 2-3	Total/NA	Solid	8015NM Prep	
880-33480-3	BH23 0-1	Total/NA	Solid	8015NM Prep	
880-33480-4	BH23 2-3	Total/NA	Solid	8015NM Prep	
MB 880-63006/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-63006/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-63006/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-33480-1 MS	BH21 0-1	Total/NA	Solid	8015NM Prep	
880-33480-1 MSD	BH21 0-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 63032

Released to Imaging: 12/20/2024 9:34:34 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Total/NA	Solid	8015B NM	63006
880-33480-2	BH21 2-3	Total/NA	Solid	8015B NM	63006
880-33480-3	BH23 0-1	Total/NA	Solid	8015B NM	63006
880-33480-4	BH23 2-3	Total/NA	Solid	8015B NM	63006
MB 880-63006/1-A	Method Blank	Total/NA	Solid	8015B NM	63006
LCS 880-63006/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	63006
LCSD 880-63006/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	63006
880-33480-1 MS	BH21 0-1	Total/NA	Solid	8015B NM	63006
880-33480-1 MSD	BH21 0-1	Total/NA	Solid	8015B NM	63006

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Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

HPLC/IC

Leach Batch: 63035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Soluble	Solid	DI Leach	
880-33480-2	BH21 2-3	Soluble	Solid	DI Leach	
880-33480-3	BH23 0-1	Soluble	Solid	DI Leach	
880-33480-4	BH23 2-3	Soluble	Solid	DI Leach	
MB 880-63035/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-63035/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-63035/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-33480-1 MS	BH21 0-1	Soluble	Solid	DI Leach	
880-33480-1 MSD	BH21 0-1	Soluble	Solid	DI Leach	

Analysis Batch: 63235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Soluble	Solid	300.0	63035
880-33480-2	BH21 2-3	Soluble	Solid	300.0	63035
880-33480-3	BH23 0-1	Soluble	Solid	300.0	63035
880-33480-4	BH23 2-3	Soluble	Solid	300.0	63035
MB 880-63035/1-A	Method Blank	Soluble	Solid	300.0	63035
LCS 880-63035/2-A	Lab Control Sample	Soluble	Solid	300.0	63035
LCSD 880-63035/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	63035
880-33480-1 MS	BH21 0-1	Soluble	Solid	300.0	63035
880-33480-1 MSD	BH21 0-1	Soluble	Solid	300.0	63035

General Chemistry

Analysis Batch: 63043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-33480-1	BH21 0-1	Total/NA	Solid	D2216	
880-33480-2	BH21 2-3	Total/NA	Solid	D2216	
880-33480-3	BH23 0-1	Total/NA	Solid	D2216	
880-33480-4	BH23 2-3	Total/NA	Solid	D2216	
MB 880-63043/1	Method Blank	Total/NA	Solid	D2216	
880-33480-1 DU	BH21 0-1	Total/NA	Solid	D2216	

Job ID: 880-33480-1

Client Sample ID: BH21 0-1

Date Collected: 09/18/23 09:05 Date Received: 09/21/23 11:13

Lab Sample ID: 880-33480-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	63035	09/22/23 08:11	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63235	09/25/23 23:07	CH	EET MID
Total/NA	Analysis	D2216		1			63043	09/22/23 10:08	SMC	EET MID

Client Sample ID: BH21 0-1

Date Collected: 09/18/23 09:05

Date Received: 09/21/23 11:13

Lab Sample ID: 880-33480-1

Matrix: Solid Percent Solids: 92.6

	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	63020	09/21/23 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/27/23 02:05	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	63006	09/21/23 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63032	09/22/23 10:38	SM	EET MID

Client Sample ID: BH21 2-3

Date Collected: 09/18/23 09:20

Date Received: 09/21/23 11:13

Lab Sample ID: 880-33480-2

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble Leach DI Leach 5.05 g 50 mL 63035 09/22/23 08:11 AG EET MID Soluble Analysis 300.0 50 mL 50 mL 63235 09/25/23 23:25 СН **EET MID** Total/NA Analysis D2216 1 63043 09/22/23 10:08 SMC **EET MID**

Client Sample ID: BH21 2-3

Date Collected: 09/18/23 09:20

Date Received: 09/21/23 11:13

Lab Sample ID: 880-33480-2

Matrix: Solid

Percent Solids: 90.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	63020	09/21/23 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/27/23 02:26	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	63006	09/21/23 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63032	09/22/23 11:45	SM	EET MID

Client Sample ID: BH23 0-1

Date Collected: 09/18/23 09:42

Date Received: 09/21/23 11:13

Lab Sample ID: 880-33480-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	63035	09/22/23 08:11	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63235	09/25/23 23:31	CH	EET MID
Total/NA	Analysis	D2216		1			63043	09/22/23 10:08	SMC	EET MID

Analysis

8015B NM

Client Sample ID: BH23 0-1

Date Collected: 09/18/23 09:42

Date Received: 09/21/23 11:13

SM

Lab Sample ID: 880-33480-3

Matrix: Solid

EET MID

Job ID: 880-33480-1

Percent Solids: 93.6

_										
	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	63020	09/21/23 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/27/23 04:16	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	63006	09/21/23 14:35	TKC	EET MID

Client Sample ID: BH23 2-3 Lab Sample ID: 880-33480-4

Date Collected: 09/18/23 10:10 Matrix: Solid

1 uL

1 uL

63032

09/22/23 12:06

Date Received: 09/21/23 11:13

Total/NA

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	63035	09/22/23 08:11	AG	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	63235	09/25/23 23:36	CH	EET MID
Total/NA	Analysis	D2216		1			63043	09/22/23 10:08	SMC	EET MID

Client Sample ID: BH23 2-3 Lab Sample ID: 880-33480-4

Date Collected: 09/18/23 10:10 **Matrix: Solid** Date Received: 09/21/23 11:13 Percent Solids: 95.4

	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	63020	09/21/23 17:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	63282	09/27/23 04:36	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	63006	09/21/23 14:35	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	63032	09/22/23 12:28	SM	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

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

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Method Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	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.

Laboratory References:

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

Eurofins Midland

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Sample Summary

Client: Civil & Environmental Consultants Inc

Project/Site: Fighting Okra 18 19 31H (Fighting Okra CTB)

Job ID: 880-33480-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-33480-1	BH21 0-1	Solid	09/18/23 09:05	09/21/23 11:13
880-33480-2	BH21 2-3	Solid	09/18/23 09:20	09/21/23 11:13
880-33480-3	BH23 0-1	Solid	09/18/23 09:42	09/21/23 11:13
880-33480-4	BH23 2-3	Solid	09/18/23 10:10	09/21/23 11:13

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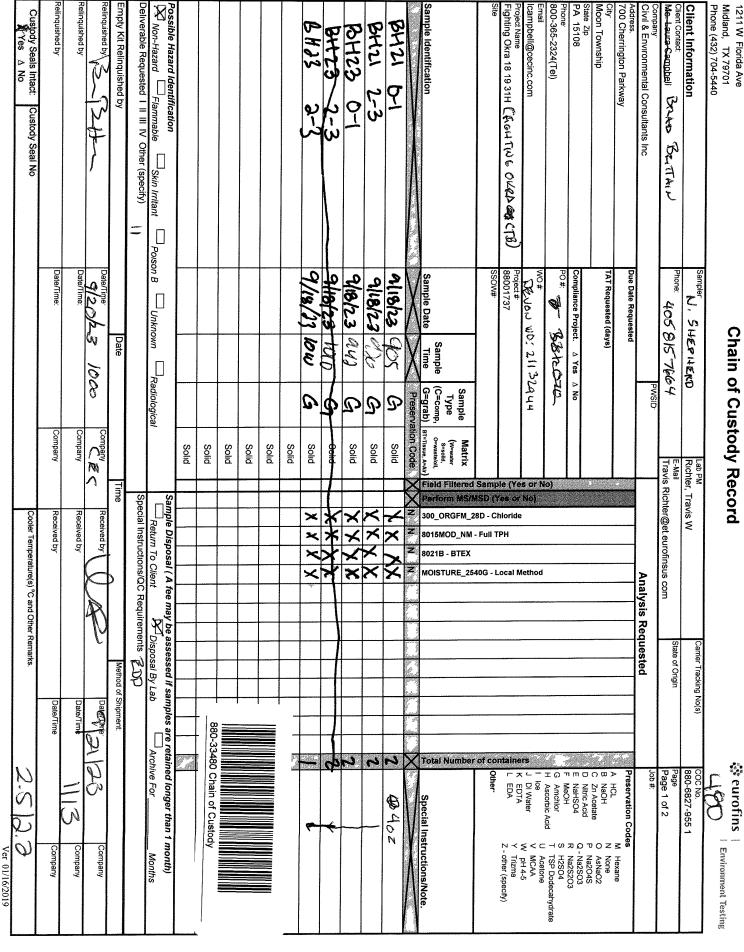
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Eurofins Midland



Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc Job Number: 880-33480-1

Login Number: 33480 List Source: Eurofins Midland

List Number: 1

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	
s the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Eurofins Midland

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 11/6/2023 12:58:23 PM

JOB DESCRIPTION

general

JOB NUMBER

820-10714-1

Eurofins Lubbock 6701 Aberdeen Ave. Suite 8 Lubbock TX 79424



Eurofins Lubbock

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All guestions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization

Generated 11/6/2023 12:58:23 PM

Authorized for release by Travis Richter, Project Manager Travis.Richter@et.eurofinsus.com (281)794-7216

Client: Civil & Environmental Consultants Inc Project/Site: general

Laboratory Job ID: 820-10714-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
Receipt Checklists	20

4

5

9

10

12

13

Definitions/Glossary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

В Compound was found in the blank and sample.

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basi

sis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Lubbock

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Job ID: 820-10714-1

Laboratory: Eurofins Lubbock

Narrative

Job Narrative 820-10714-1

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

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

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

Receipt

The samples were received on 10/31/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

GC VOA

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 880-65999 and analytical batch 880-65947 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-65999 and analytical batch 880-65947 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-65947 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-65947/47).

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH-24 0-1' (820-10714-1) and BH-24 1-2' (820-10714-2). 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.

General Chemistry

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

1

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Client Sample Results

Client: Civil & Environmental Consultants Inc

Client Sample ID: BH-24 0-1'

Project/Site: general

Lab Sample ID: 820-10714-1

Matrix: Solid

Percent Solids: 94.5

Job ID: 820-10714-1

Date Collected: 10/30/23 15:06
Date Received: 10/31/23 10:30
Method: SW846 8021B - Volatile Organic Compounds (
metriou. Ovvovo ouz ib - volatile Organic Compounds (

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000405	U	0.00210	0.000405	mg/Kg		11/03/23 08:04	11/03/23 13:56	1
Toluene	<0.000480	U	0.00210	0.000480	mg/Kg	₽	11/03/23 08:04	11/03/23 13:56	1
Ethylbenzene	<0.000595	U	0.00210	0.000595	mg/Kg	₽	11/03/23 08:04	11/03/23 13:56	1
m-Xylene & p-Xylene	<0.00106	U	0.00421	0.00106	mg/Kg	₽	11/03/23 08:04	11/03/23 13:56	1
o-Xylene	< 0.000362	U	0.00210	0.000362	mg/Kg	₽	11/03/23 08:04	11/03/23 13:56	1
Xylenes, Total	<0.00106	U	0.00421	0.00106	mg/Kg	₽	11/03/23 08:04	11/03/23 13:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130				11/03/23 08:04	11/03/23 13:56	1
1,4-Difluorobenzene (Surr)	81		70 - 130				11/03/23 08:04	11/03/23 13:56	1

1,4-Difluorobenzene (Surr)	81		70 - 130				11/03/23 08:04	11/03/23 13:56	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.5	JB	53.3	16.0	mg/Kg	*	11/01/23 14:52	11/02/23 03:14	1
Diesel Range Organics (Over C10-C28)	41.3	J	53.3	16.0	mg/Kg	₽	11/01/23 14:52	11/02/23 03:14	1
Oll Range Organics (Over C28-C36)	<16.0	U	53.3	16.0	mg/Kg	₽	11/01/23 14:52	11/02/23 03:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	148	S1+	70 - 130				11/01/23 14:52	11/02/23 03:14	1
o-Terphenyl	171	S1+	70 - 130				11/01/23 14:52	11/02/23 03:14	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	. D	Prepared	Analyzed	Dil Fac
Chloride	386	5.27	0.417 mg/	Kg ☆		11/04/23 15:04	1

Client Sample ID: BH-24 1-2' Lab Sample ID: 820-10714-2

Date Collected: 10/30/23 15:10 **Matrix: Solid** Date Received: 10/31/23 10:30 Percent Solids: 98.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000391	U	0.00203	0.000391	mg/Kg	*	11/03/23 16:15	11/04/23 00:26	1
Toluene	< 0.000463	U	0.00203	0.000463	mg/Kg	₽	11/03/23 16:15	11/04/23 00:26	1
Ethylbenzene	< 0.000574	U	0.00203	0.000574	mg/Kg	₽	11/03/23 16:15	11/04/23 00:26	1
m-Xylene & p-Xylene	<0.00103	U	0.00406	0.00103	mg/Kg	₽	11/03/23 16:15	11/04/23 00:26	1
o-Xylene	< 0.000349	U	0.00203	0.000349	mg/Kg	₽	11/03/23 16:15	11/04/23 00:26	1
Xylenes, Total	<0.00103	U	0.00406	0.00103	mg/Kg	₩	11/03/23 16:15	11/04/23 00:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130				11/03/23 16:15	11/04/23 00:26	1
1,4-Difluorobenzene (Surr)	80		70 ₋ 130				11/03/23 16:15	11/04/23 00:26	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	24.6	JB	51.2	15.4	mg/Kg	₩	11/01/23 14:52	11/02/23 03:35	1
Diesel Range Organics (Over C10-C28)	34.3	J	51.2	15.4	mg/Kg	₽	11/01/23 14:52	11/02/23 03:35	1
Oll Range Organics (Over C28-C36)	<15.4	U	51.2	15.4	mg/Kg	₽	11/01/23 14:52	11/02/23 03:35	1

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Client Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: general

Date Received: 10/31/23 10:30

Lab Sample ID: 820-10714-2

Client Sample ID: BH-24 1-2' Date Collected: 10/30/23 15:10 Matrix: Solid

Percent Solids: 98.3

Job ID: 820-10714-1

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123	70 - 130	11/01/23 14:52	11/02/23 03:35	1
o-Terphenyl	138 S1+	70 - 130	11/01/23 14:52	11/02/23 03:35	1

Method: EPA 300.0 - Anions,	on Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL U	Init	D	Prepared	Analyzed	Dil Fac
Chloride	108	5.11	0.403 m	ng/Kg	— <u> </u>		11/04/23 15:11	1

Surrogate Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
20-10714-1	BH-24 0-1'	93	81	
320-10714-2	BH-24 1-2'	91	80	
320-10714-2 MS	BH-24 1-2'	103	116	
320-10714-2 MSD	BH-24 1-2'	119	118	
LCS 880-66132/1-A	Lab Control Sample	106	120	
_CS 880-66185/1-A	Lab Control Sample	130	123	
CSD 880-66132/2-A	Lab Control Sample Dup	114	121	
LCSD 880-66185/2-A	Lab Control Sample Dup	127	113	
MB 880-66132/5-A	Method Blank	74	94	
MB 880-66185/5-A	Method Blank	72	92	

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
		1001	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
-10714-1	BH-24 0-1'	148 S1+	171 S1+	
-10714-2	BH-24 1-2'	123	138 S1+	
S 880-65999/2-A	Lab Control Sample	77	95	
SD 880-65999/3-A	Lab Control Sample Dup	73	89	
3 880-65999/1-A	Method Blank	249 S1+	291 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

Released to Imaging: 12/20/2024 9:34:34 AM

OTPH = o-Terphenyl

Eurofins Lubbock

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-66132/5-A

Matrix: Solid

Analyte Benzene

Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene Xylenes, Total

Analysis Batch: 66130

Client Sample ID: Method Blank

11/03/23 11:10

Prep Type: Total/NA

Prep Batch: 66132

MB	MB							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.000385	U	0.00200	0.000385	mg/Kg		11/03/23 08:04	11/03/23 11:10	1
<0.000456	U	0.00200	0.000456	mg/Kg		11/03/23 08:04	11/03/23 11:10	1
<0.000565	U	0.00200	0.000565	mg/Kg		11/03/23 08:04	11/03/23 11:10	1
<0.00101	U	0.00400	0.00101	mg/Kg		11/03/23 08:04	11/03/23 11:10	1
< 0.000344	U	0.00200	0.000344	mg/Kg		11/03/23 08:04	11/03/23 11:10	1

0.00101 mg/Kg

мв мв

<0.00101 U

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74	70 - 130	11/03/23 08:04	11/03/23 11:10	1
1,4-Difluorobenzene (Surr)	94	70 - 130	11/03/23 08:04	11/03/23 11:10	1

0.00400

Lab Sample ID: LCS 880-66132/1-A

Matrix: Solid

Analysis Batch: 66130

Client Sample ID: Lab Control Sample

11/03/23 08:04

Prep Type: Total/NA Prep Batch: 66132

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.09192 mg/Kg 92 70 - 130 Toluene 0.100 0.08765 mg/Kg 88 70 - 130 0.100 86 Ethylbenzene 0.08557 mg/Kg 70 - 130 0.200 92 70 - 130 m-Xylene & p-Xylene 0.1836 mg/Kg 0.100 0.08849 o-Xylene mg/Kg 70 - 130

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: LCSD 880-66132/2-A

Matrix: Solid

Analysis Batch: 66130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 66132

RPD LCSD LCSD Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Limit Benzene 0.100 0.09299 mg/Kg 93 70 - 130 35 Toluene 0.100 0.08745 mg/Kg 87 70 - 130 0 35 Ethylbenzene 0.100 0.08940 mg/Kg 89 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1920 mg/Kg 96 70 - 130 35 0.100 0.09302 93 o-Xylene mg/Kg 70 - 130 35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1.4-Difluorobenzene (Surr)	121		70 - 130

Lab Sample ID: 820-10714-2 MS

Matrix: Solid

Analysis Batch: 66130

Client Sample ID: BH-24 1-2'

Prep Type: Total/NA

Prep Batch: 66132

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.000391	U	0.101	0.09507		mg/Kg	— <u></u>	94	70 - 130	
Toluene	< 0.000463	U	0.101	0.09080		mg/Kg	₩	90	70 - 130	

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Page 9 of 21

QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

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

Lab Sample ID: 820-10714-2 MS

Matrix: Solid

Analysis Batch: 66130

Client Sample ID: BH-24 1-2'

Prep Type: Total/NA

Prep Batch: 66132

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Ethylbenzene < 0.000574 U 0.101 0.08715 86 70 - 130 mg/Kg Ü m-Xylene & p-Xylene <0.00103 U 0.203 0.1873 mg/Kg ₽ 92 70 - 130 o-Xylene <0.000349 U 0.101 0.09037 89 70 - 130 mg/Kg Ċ.

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Client Sample ID: BH-24 1-2'

Prep Type: Total/NA

Prep Batch: 66132

22

23

Lab Sample ID: 820-10714-2 MSD **Matrix: Solid Analysis Batch: 66130**

Sample Sample Spike MSD MSD %Rec RPD %Rec Result Qualifier Added Result Qualifier RPD Limit Analyte Unit D Limits 0.102 111 Benzene <0.000391 U 0.1127 mg/Kg Ä 70 - 130 17 35 0.1071 Toluene < 0.000463 0.102 mg/Kg ₽ 105 70 - 130 16 35 Ethylbenzene <0.000574 U 0.102 0.1083 mg/Kg 106 70 - 130 22 35 ₩

<0.00103 U 0.204 70 - 130 m-Xylene & p-Xylene 0.2339 mq/Kq ₽ 115 <0.000349 U 0.102 70 - 130 o-Xylene 0.1134 mg/Kg Ü 111 MSD MSD

Surrogate Qualifier Limits %Recovery 70 - 130 4-Bromofluorobenzene (Surr) 119 1,4-Difluorobenzene (Surr) 70 - 130 118

Lab Sample ID: MB 880-66185/5-A

Matrix: Solid

Analysis Batch: 66130

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

Prep Batch: 66185

	MR	MR							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		11/03/23 16:15	11/03/23 23:03	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		11/03/23 16:15	11/03/23 23:03	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		11/03/23 16:15	11/03/23 23:03	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg		11/03/23 16:15	11/03/23 23:03	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		11/03/23 16:15	11/03/23 23:03	1
Xylenes, Total	< 0.00101	U	0.00400	0.00101	mg/Kg		11/03/23 16:15	11/03/23 23:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	11/03/23 16:	15 11/03/23 23:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	11/03/23 16:	15 11/03/23 23:03	1

Lab Sample ID: LCS 880-66185/1-A

Matrix: Solid

Analysis Batch: 66130

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 66185

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09799		mg/Kg		98	70 - 130	
Toluene	0.100	0.1027		mg/Kg		103	70 - 130	
Ethylbenzene	0.100	0.1107		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2352		mg/Kg		118	70 - 130	

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QC Sample Results

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

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

Lab Sample ID: LCS 880-66185/1-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 66130 Prep Type: Total/NA Prep Batch: 66185

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits 0.100 0.1153 115 o-Xylene mg/Kg

%Rec 70 - 130

LCS LCS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 130 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 123

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-66185/2-A **Matrix: Solid**

Prep Type: Total/NA

Analysis Batch: 66130

Prep Batch: 66185

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08635		mg/Kg		86	70 - 130	13	35
Toluene	0.100	0.09394		mg/Kg		94	70 - 130	9	35
Ethylbenzene	0.100	0.1045		mg/Kg		105	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2204		mg/Kg		110	70 - 130	6	35
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130	7	35

LCSD LCSD

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	127	70 - 130
1,4-Difluorobenzene (Surr)	113	70 - 130

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

Lab Sample ID: MB 880-65999/1-A Client Sample ID: Method Blank **Matrix: Solid**

Analysis Batch: 65947

MB MB

Prep Type: Total/NA Prep Batch: 65999

Result Qualifier RL MDL Unit Prepared Dil Fac Analyte D Analyzed 16.52 J 50.0 11/01/23 20:24 Gasoline Range Organics 15.0 mg/Kg 11/01/23 14:52 (GRO)-C6-C10 50.0 Diesel Range Organics (Over <15.0 U 15.0 mg/Kg 11/01/23 14:52 11/01/23 20:24 C10-C28) Oll Range Organics (Over C28-C36) 15.0 mg/Kg <15.0 U 50.0 11/01/23 14:52 11/01/23 20:24

MB MB %Recovery Qualifier Surrogate Limits Prepared Analyzed Dil Fac 1-Chlorooctane 249 S1+ 70 - 130 11/01/23 14:52 11/01/23 20:24 o-Terphenyl 291 S1+ 70 - 130 11/01/23 14:52 11/01/23 20:24

Lab Sample ID: LCS 880-65999/2-A Client Sample ID: Lab Control Sample **Matrix: Solid**

Analysis Batch: 65947

Prep Type: Total/NA Prep Batch: 65999

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	861.0		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	912.7		mg/Kg		91	70 - 130	
C10-C28)								

Eurofins Lubbock

Client: Civil & Environmental Consultants Inc

Lab Sample ID: LCS 880-65999/2-A

Project/Site: general

Analysis Batch: 65947

Matrix: Solid

Job ID: 820-10714-1

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

Prep Batch: 65999

LCS LCS

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

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 77 70 - 130 o-Terphenyl 95 70 - 130

Lab Sample ID: LCSD 880-65999/3-A

Matrix: Solid

Analysis Batch: 65947

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 65999 RPD

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Spike LCSD LCSD %Rec Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 839.4 84 70 - 1303 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 813.3 mg/Kg 81 70 - 13012 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 73 89 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-65991/1-A

Matrix: Solid

Analysis Batch: 66206

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed Chloride 5.00 <0.395 U 0.395 mg/Kg 11/04/23 11:28

Lab Sample ID: LCS 880-65991/2-A

Matrix: Solid

Analysis Batch: 66206

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 253.6 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-65991/3-A

Released to Imaging: 12/20/2024 9:34:34 AM

Matrix: Solid

Analysis Batch: 66206

Spike LCSD LCSD %Rec RPD Result Qualifier Added Analyte Unit D %Rec Limits RPD Limit Chloride 250 254.0 mg/Kg 102 90 - 110 20

Eurofins Lubbock

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

QC Association Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

GC VOA

Analysis Batch: 66130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Total/NA	Solid	8021B	66132
820-10714-2	BH-24 1-2'	Total/NA	Solid	8021B	66185
MB 880-66132/5-A	Method Blank	Total/NA	Solid	8021B	66132
MB 880-66185/5-A	Method Blank	Total/NA	Solid	8021B	66185
LCS 880-66132/1-A	Lab Control Sample	Total/NA	Solid	8021B	66132
LCS 880-66185/1-A	Lab Control Sample	Total/NA	Solid	8021B	66185
LCSD 880-66132/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66132
LCSD 880-66185/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	66185
820-10714-2 MS	BH-24 1-2'	Total/NA	Solid	8021B	66132
820-10714-2 MSD	BH-24 1-2'	Total/NA	Solid	8021B	66132

Prep Batch: 66132

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Total/NA	Solid	5035	
MB 880-66132/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66132/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66132/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
820-10714-2 MS	BH-24 1-2'	Total/NA	Solid	5035	
820-10714-2 MSD	BH-24 1-2'	Total/NA	Solid	5035	

Prep Batch: 66185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-2	BH-24 1-2'	Total/NA	Solid	5035	
MB 880-66185/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-66185/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-66185/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 65947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Total/NA	Solid	8015B NM	65999
820-10714-2	BH-24 1-2'	Total/NA	Solid	8015B NM	65999
MB 880-65999/1-A	Method Blank	Total/NA	Solid	8015B NM	65999
LCS 880-65999/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	65999
LCSD 880-65999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	65999

Prep Batch: 65999

Lab Sample ID 820-10714-1	Client Sample ID BH-24 0-1'	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
820-10714-2	BH-24 1-2'	Total/NA	Solid	8015NM Prep	
MB 880-65999/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-65999/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-65999/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 65991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Soluble	Solid	DI Leach	
820-10714-2	BH-24 1-2'	Soluble	Solid	DI Leach	
MB 880-65991/1-A	Method Blank	Soluble	Solid	DI Leach	

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Page 13 of 21

QC Association Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

HPLC/IC (Continued)

Leach Batch: 65991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-65991/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-65991/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 66206

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Soluble	Solid	300.0	65991
820-10714-2	BH-24 1-2'	Soluble	Solid	300.0	65991
MB 880-65991/1-A	Method Blank	Soluble	Solid	300.0	65991
LCS 880-65991/2-A	Lab Control Sample	Soluble	Solid	300.0	65991
LCSD 880-65991/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	65991

General Chemistry

Analysis Batch: 66000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
820-10714-1	BH-24 0-1'	Total/NA	Solid	D2216	
820-10714-2	BH-24 1-2'	Total/NA	Solid	D2216	
MB 880-66000/1	Method Blank	Total/NA	Solid	D2216	

Eurofins Lubbock

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Project/Site: general

Client Sample ID: BH-24 0-1' Lab Sample ID: 820-10714-1

Date Collected: 10/30/23 15:06 Date Received: 10/31/23 10:30

Matrix: Solid

Job ID: 820-10714-1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			66000	11/02/23 13:11	SMC	EET MID

Client Sample ID: BH-24 0-1'

Lab Sample ID: 820-10714-1 Matrix: Solid

Date Collected: 10/30/23 15:06 Date Received: 10/31/23 10:30

Percent Solids: 94.5

_	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	66132	11/03/23 08:04	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66130	11/03/23 13:56	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	65999	11/01/23 14:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65947	11/02/23 03:14	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	65991	11/01/23 14:25	SMC	EET MID
Soluble	Analysis	300.0		1			66206	11/04/23 15:04	CH	EET MID

Client Sample ID: BH-24 1-2'

Lab Sample ID: 820-10714-2

Date Collected: 10/30/23 15:10

Matrix: Solid

Date Received: 10/31/23 10:30

	_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Į	Total/NA	Analysis	D2216		1			66000	11/02/23 13:11	SMC	EET MID

Client Sample ID: BH-24 1-2'

Lab Sample ID: 820-10714-2

Date Collected: 10/30/23 15:10

Date Received: 10/31/23 10:30

Matrix: Solid Percent Solids: 98.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	66185	11/03/23 16:15	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	66130	11/04/23 00:26	MNR	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	65999	11/01/23 14:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	65947	11/02/23 03:35	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	65991	11/01/23 14:25	SMC	EET MID
Soluble	Analysis	300.0		1			66206	11/04/23 15:11	CH	EET MID

Laboratory References:

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

Eurofins Lubbock

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

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

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Method Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	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.

Laboratory References:

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

Sample Summary

Client: Civil & Environmental Consultants Inc

Project/Site: general

Job ID: 820-10714-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
820-10714-1	BH-24 0-1'	Solid	10/30/23 15:06	10/31/23 10:30
820-10714-2	BH-24 1-2'	Solid	10/30/23 15:10	10/31/23 10:30

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820-10714 Chain of Custody

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbed, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Little Rock, AR (501) 224-5060

Environment Testing

Loc: 820 10714

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Project Manager:	CANA CAMP BELL	Bell		Bill to: (if different)	£	prior	つ				W	Work Order Comments	mments	
Company Name:	CEC			Company Name:	.e.	DENON)			Progra	Program: UST/PST ☐ PRP☐ Brownfleids ☐ RRC ☐ Superfund ☐	RP Brownfl	leids RRC	☐ Superfund ☐
Address:	700 CHERINGTON PHININ	LIVETON	AMM/	Address:						State	State of Project:)	1	
City, State ZIP:	New Tewiship, A		ESTOR	City, State ZIP:						Repor	Reporting: Level II 🗹 Level III 🗌 PST/UST 📋 TRRP 📋	Ael III 🗌 PSTA	UST 🗌 TRRP	☐ Level IV☐
Phone:			Email:	11: LCONDERT @ CR. INCIDENT	are.	B. Inci	V _R			Delive	Deliverables: EDD	ADaPT [Other:	
Project Name:	KICHTWOOLEAIB 1931H	BIGSIH	Σ	Turn Around				A	NALYSIS	ANALYSIS REQUEST			Preserva	Preservative Codes
Project Number:	FIGHTING OKER	Kes CTB) K Routine	Rush	Pres. Code							Z	None: NO	DI Water: H ₂ O
Project Location:	LEA CO. NM		Due Date:			\vdash		Abi				0	Cool: Cool	MeOH: Me
Sampler's Name:	B. 324-11AN	An.)	TAT starts	TAT starts the day received by the lab. if received by 4:30pm		Ent.	. 3	07~ ç				Ī	HCL: HC	HNO3
CAMBIE DECEID			-		_			3.0					H2504: H2	NaCH: Na
Samples Received Intact:	ntact: (Yes, No		Thermometer ID:	2 7	ems.			ha-				ΙZ	H ₃ PO ₄ : HP	
Cooler Custody Seals:	Yes No	13	Correction Factor:	9.0	Pai			7 7				Ž	Na ₂ S ₂ O ₃ : NaSO ₃	
Sample Custody Seals:	Yes No	N/A Temper	Temperature Reading:	60 80				3 70				7	Zn Acetate+NaOH: Zn	H: Zn
Total Containers:	3	Correcte	Corrected Temperature:					مرد				Ž	NaOH+Ascorbic Acid: SAPC	Acid: SAPC
Sample Identification		Matrix Sampled	Time bed Sampled	Depth Grab/	# of Cont	108 200	4 8	Wor					Sample (Sample Comments
1-0 h7- he		5 1030/23	2 150	0-1-0	4	E								
12-1 42-151		→	1510	1.21 6	7	>	7							
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Total 200.7 / 6010	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	D: nalvzed	BRCRA 13I	RA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni TCI P/SPIP 6010 - 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Sa Ag Ti H	1 Al Sb	Sb As Ba Be B	Be B Cd	Ca Cr C	So Cu Fe	Pb Mg M	- X	Se Ag SiO ₂ Na	Ag SIO ₂ Na Sr TI Sn U V Z Hr: 1631-1245-1-7470 / 7471	1 V Zn
Notice: Signature of this of service. Eurofins Xen of Eurofins Xenso. A mis	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 the 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 survicins Xenco. A minimum charge of \$50 will be applied to each project and a charge of \$5 for each sample automitized reference into analyzed. These terms will be enforced unless previously negotiated.	ment of samples te cost of sample ill be applied to	constitutes a valid as and shall not as	f purchase order fro sume any responsit charge of \$5 for ea	m cilent cor ility for any th sample s	npeny to Eur losses or ex ubmitted to	ofins Xenco, penses Incu	its affillates a red by the cli- po, but not an	and subcontribut If such lo	sctors. It sasign bees are due to I terms will be e	s standard terms and circumstances beyond nforced unless previol	conditions the control usly negotiated.		
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Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc Job Number: 820-10714-1

Login Number: 10714 List Source: Eurofins Lubbock

List Number: 1

Creator: Triplett, Colby

Question Answer Comment

The cooler's custody seal, if present, is intact.

Sample custody seals, if present, are intact.

The cooler or samples do not appear to have been compromised or

tampered with.

Samples were received on ice.

Cooler Temperature is acceptable.

Cooler Temperature is recorded.

COC is present.

COC is filled out in ink and legible.

COC is filled out with all pertinent information.

Is the Field Sampler's name present on COC?

There are no discrepancies between the containers received and the COC.

Samples are received within Holding Time (excluding tests with immediate

HTs)

Sample containers have legible labels.

Containers are not broken or leaking.

Sample collection date/times are provided.

Appropriate sample containers are used.

Sample bottles are completely filled.

Sample Preservation Verified.

There is sufficient vol. for all requested analyses, incl. any requested

MS/MSDs

Containers requiring zero headspace have no headspace or bubble is

<6mm (1/4").

Eurofins Lubbock

Released to Imaging: 12/20/2024 9:34:34 AM

Login Sample Receipt Checklist

Job Number: 820-10714-1 Client: Civil & Environmental Consultants Inc

Login Number: 10714 **List Source: Eurofins Midland** List Number: 2 List Creation: 11/01/23 12:57 PM

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	

Eurofins Lubbock

<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 7/5/2024 4:59:41 PM

JOB DESCRIPTION

Fighting Okra 18 19 31H CTB 2

JOB NUMBER

880-45373-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 7/5/2024 4:59:41 PM

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216 •

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Laboratory Job ID: 880-45373-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	6
Client Sample Results	9
Surrogate Summary	42
QC Sample Results	46
QC Association Summary	60
Lab Chronicle	72
Certification Summary	94
Method Summary	95
Sample Summary	96
Chain of Custody	97
Receipt Checklists	102

2

3

5

6

8

10

11

12

13

Definitions/Glossary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Qualifier Description

Job ID: 880-45373-1

Qualifiers

GC '	VOA
Quali	ifier

*+	LCS and/or LCSD is outside acceptance limits, high biased
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
11	Indicates the analyte was analyzed for but not detected

GC Semi VOA

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.
HPLC/IC	

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Midland

Toxicity Equivalent Factor (Dioxin)

Toxicity Equivalent Quotient (Dioxin)

TEF

TEQ

Definitions/Glossary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Glossary (Continued)

Abbreviation

These commonly used abbreviations may or may not be present in this report.

TNTC

Too Numerous To Count

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Client: Civil & Environmental Consultants Inc Project: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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Job ID: 880-45373-1 Eurofins Midland

Job Narrative 880-45373-1

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

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

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

Receipt

The samples were received on 6/28/2024 8:44 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 3.1°C.

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-84451 recovered above the upper control limit for Benzene, Ethylbenzene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported. The associated sample is impacted: (CCV 880-84451/33).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-84451 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. The associated sample is impacted: (CCV 880-84451/64).

Method 8021B: The laboratory control sample duplicate (LCSD) for preparation batch 880-84489 and analytical batch 880-84451 recovered outside control limits for the following analytes: Ethylbenzene. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: (880-45373-A-1-B MSD). Because of this dilution, the surrogate spike and matrix spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84494 and analytical batch 880-84457 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84495 and analytical batch 880-84457 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Diesel Range Organics

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-84625 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-84625/31).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84585 and analytical batch 880-84626 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-84585 and analytical batch 880-84626 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Eurofins Midland

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Client: Civil & Environmental Consultants Inc Project: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1 (Continued)

Eurofins Midland

Job ID: 880-45373-1

Method 8015MOD_NM: The continuing calibration verification (CCV) associated with batch 880-84626 recovered below the lower control limit for Diesel Range Organics (Over C10-C28). An acceptable CCV was ran within the 12 hour window, therefore the data has been qualified and reported. The associated sample is impacted: (CCV 880-84626/20).

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84587 and analytical batch 880-84622 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-84587 and analytical batch 880-84622 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84589 and analytical batch 880-84620 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-84589 and analytical batch 880-84620 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-84594 and analytical batch 880-84647 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS 2 (880-45373-43), CS 124 (880-45373-44), CS 125 (880-45373-45), CS 116 (880-45373-46), CS 4 (880-45373-47), CS 6 (880-45373-48), CS 126 (880-45373-49), CS 131 (880-45373-50), F031H-14A (880-45373-51), (LCS 880-84594/2-A), (880-45368-A-83-C), (880-45368-A-83-D MS) and (880-45368-A-83-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-84594 and analytical batch 880-84647 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS 89 (880-45373-26), CS 102 (880-45373-33), CS 103 (880-45373-34), CS 8 (880-45373-40), (880-45373-A-23-D MS) and (880-45373-A-23-E MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84589 and analytical batch 880-84620 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: CS 76 (880-45373-19) and CS 72 (880-45373-21). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS 20 (880-45373-1). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: CS 60 (880-45373-15). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-84587 and analytical batch 880-84622 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-84510 and analytical batch 880-84743 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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Client: Civil & Environmental Consultants Inc Project: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Job ID: 880-45373-1 (Continued)

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

General Chemistry

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

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Client Sample ID: CS 20

Date Collected: 06/27/24 08:15

Date Received: 06/28/24 08:44

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Lab Sample ID: 880-45373-1

Matrix: Solid

Percent Solids: 98.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U F1 F2	0.00203	0.00141	mg/Kg	<u></u>	06/28/24 11:05	06/29/24 09:13	1
Toluene	<0.00203	U F1	0.00203	0.00203	mg/Kg	₽	06/28/24 11:05	06/29/24 09:13	1
Ethylbenzene	<0.00111	U *+ F1	0.00203	0.00111	mg/Kg	₽	06/28/24 11:05	06/29/24 09:13	1
m-Xylene & p-Xylene	<0.00232	U F1	0.00406	0.00232	mg/Kg	₩	06/28/24 11:05	06/29/24 09:13	1
o-Xylene	<0.00161	U F1 F2	0.00203	0.00161	mg/Kg	₽	06/28/24 11:05	06/29/24 09:13	1
Xylenes, Total	<0.00232	U F1	0.00406	0.00232	mg/Kg	₽	06/28/24 11:05	06/29/24 09:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/28/24 11:05	06/29/24 09:13	1
1,4-Difluorobenzene (Surr)	88		70 ₋ 130				06/28/24 11:05	06/29/24 09:13	1

4-Bromofluorobenzene (Surr)	89		70 - 130				06/28/24 11:05	06/29/24 09:13	1
1,4-Difluorobenzene (Surr)	88		70 - 130				06/28/24 11:05	06/29/24 09:13	1
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	39.9	JB	50.8	11.2	mg/Kg		06/28/24 16:08	06/29/24 17:22	1
(GRO)-C6-C10									
Diesel Range Organics (Over	102		50.8	15.2	mg/Kg	₽	06/28/24 16:08	06/29/24 17:22	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<12.7	U	50.8	12.7	mg/Kg	₽	06/28/24 16:08	06/29/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130				06/28/24 16:08	06/29/24 17:22	1
o-Terphenyl	134	S1+	70 - 130				06/28/24 16:08	06/29/24 17:22	1

Marked FDA 200 0 Autous Lon O							
Method: EPA 300.0 - Anions, Ion C	nromatograpny - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9960	49.5	3.91 mg/Kg			07/02/24 02:54	10

Client Sample ID: CS 27 Lab Sample ID: 880-45373-2

Date Collected: 06/27/24 08:17
Date Received: 06/28/24 08:44
Percent Solids: 98.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg		06/28/24 11:05	06/29/24 09:33	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:05	06/29/24 09:33	1
Ethylbenzene	<0.00111	U *+	0.00203	0.00111	mg/Kg	₽	06/28/24 11:05	06/29/24 09:33	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₩	06/28/24 11:05	06/29/24 09:33	1
o-Xylene	< 0.00161	U	0.00203	0.00161	mg/Kg	₩	06/28/24 11:05	06/29/24 09:33	1
Xylenes, Total	<0.00232	U	0.00406	0.00232	mg/Kg	\$	06/28/24 11:05	06/29/24 09:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				06/28/24 11:05	06/29/24 09:33	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/28/24 11:05	06/29/24 09:33	1

Method: SW846 8015B NM - Diese	Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	39.9	JB	50.3	11.1	mg/Kg	<u></u>	06/28/24 16:08	06/29/24 17:42	1
Diesel Range Organics (Over C10-C28)	53.0		50.3	15.1	mg/Kg	₽	06/28/24 16:08	06/29/24 17:42	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	≎	06/28/24 16:08	06/29/24 17:42	1

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Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Lab Sample ID: 880-45373-2

Matrix: Solid

Percent Solids: 98.8

Client	Sample	ID:	CS	27
Data Ca	llaatad. O	CIOT	104	10.4

Date Collected: 06/27/24 08:17 Date Received: 06/28/24 08:44

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	126		70 - 130	06/28/24 16:	08 06/29/24 17:42	! 1
o-Terphenyl	129		70 - 130	06/28/24 16:	08 06/29/24 17:42	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8530	49.7	3.93 mg/Kg			07/02/24 03:00	10

Client Sample ID: CS 25 Lab Sample ID: 880-45373-3

Date Collected: 06/27/24 08:19
Date Received: 06/28/24 08:44
Percent Solids: 98.4

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	*	06/28/24 11:05	06/29/24 09:53	1
Toluene	<0.00205	U	0.00205	0.00205	mg/Kg	₽	06/28/24 11:05	06/29/24 09:53	1
Ethylbenzene	<0.00112	U *+	0.00205	0.00112	mg/Kg	₽	06/28/24 11:05	06/29/24 09:53	1
m-Xylene & p-Xylene	<0.00235	U	0.00411	0.00235	mg/Kg	₽	06/28/24 11:05	06/29/24 09:53	1
o-Xylene	< 0.00163	U	0.00205	0.00163	mg/Kg	₽	06/28/24 11:05	06/29/24 09:53	1
Xylenes, Total	<0.00235	U	0.00411	0.00235	mg/Kg	₽	06/28/24 11:05	06/29/24 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130				06/28/24 11:05	06/29/24 09:53	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/28/24 11:05	06/29/24 09:53	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.7	J B	50.8	11.2	mg/Kg	*	06/28/24 16:11	06/29/24 19:59	1
Diesel Range Organics (Over C10-C28)	16.8	J F1	50.8	15.2	mg/Kg	₽	06/28/24 16:11	06/29/24 19:59	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.8	12.7	mg/Kg	₩	06/28/24 16:11	06/29/24 19:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/28/24 16:11	06/29/24 19:59	1
o-Terphenyl	100		70 - 130				06/28/24 16:11	06/29/24 19:59	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4760		50.1	3.96	mg/Kg			07/02/24 03:07	10

Client Sample ID: CS 34

Date Collected: 06/27/24 08:21

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-4

Matrix: Solid

Percent Solids: 98.4

tile Organic Comp	ounds (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00140	U	0.00202	0.00140	mg/Kg	₽	06/28/24 11:05	06/29/24 10:14	1
<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 10:14	1
<0.00110	U *+	0.00202	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 10:14	1
<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:05	06/29/24 10:14	1
< 0.00160	U	0.00202	0.00160	mg/Kg	₩	06/28/24 11:05	06/29/24 10:14	1
<0.00230	U	0.00403	0.00230	mg/Kg	₩	06/28/24 11:05	06/29/24 10:14	1
	Result <0.00140 <0.00202 <0.00110 <0.00230 <0.00160	tile Organic Compounds (GC) Result Qualifier <0.00140 U <0.00202 U <0.00110 U*+ <0.00230 U <0.00160 U <0.00230 U	<0.00140 U 0.00202 <0.00202 U 0.00202 <0.00110 U*+ 0.00202 <0.00230 U 0.00403 <0.00160 U 0.00202	Result Qualifier RL MDL <0.00140	Result Qualifier RL MDL Unit <0.00140	Result Qualifier RL MDL Unit D <0.00140	Result Qualifier RL MDL Unit D Prepared <0.00140	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00140

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Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 34

Date Collected: 06/27/24 08:21

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

Lab Sample ID: 880-45373-4

Matrix: Solid

Percent Solids: 98.4

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83	70 - 130	06/28/24 11:05	06/29/24 10:14	1
1,4-Difluorobenzene (Surr)	91	70 - 130	06/28/24 11:05	06/29/24 10:14	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	41.0	J B	50.7	11.1	mg/Kg	*	06/28/24 16:11	06/29/24 21:00	1
Diesel Range Organics (Over C10-C28)	20.1	J	50.7	15.2	mg/Kg	₩	06/28/24 16:11	06/29/24 21:00	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.7	12.7	mg/Kg	₩	06/28/24 16:11	06/29/24 21:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/28/24 16:11	06/29/24 21:00	1
o-Terphenyl	104		70 - 130				06/28/24 16:11	06/29/24 21:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL MDL Unit D Prepared Analyzed Dil Fac 3.99 mg/Kg Chloride 50.5 07/02/24 03:14 6620

Client Sample ID: CS 35 Lab Sample ID: 880-45373-5

Date Collected: 06/27/24 08:23 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.9

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	*	06/28/24 11:05	06/29/24 10:35	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:05	06/29/24 10:35	1
Ethylbenzene	<0.00111	U *+	0.00203	0.00111	mg/Kg	₽	06/28/24 11:05	06/29/24 10:35	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:05	06/29/24 10:35	1
o-Xylene	<0.00161	U	0.00203	0.00161	mg/Kg	₽	06/28/24 11:05	06/29/24 10:35	1
Xylenes, Total	<0.00232	U	0.00406	0.00232	mg/Kg	₩	06/28/24 11:05	06/29/24 10:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/28/24 11:05	06/29/24 10:35	1
1,4-Difluorobenzene (Surr)	78		70 - 130				06/28/24 11:05	06/29/24 10:35	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.3	J B	50.3	11.1	mg/Kg	-	06/28/24 16:11	06/29/24 21:21	1
Diesel Range Organics (Over C10-C28)	25.7	J	50.3	15.1	mg/Kg	₽	06/28/24 16:11	06/29/24 21:21	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:11	06/29/24 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/28/24 16:11	06/29/24 21:21	1
o-Terphenyl	108		70 - 130				06/28/24 16:11	06/29/24 21:21	1

RL

101

MDL Unit

7.95 mg/Kg

Prepared

Result Qualifier

12800

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Analyzed

07/02/24 03:20

Dil Fac

Analyte

Chloride

Client Sample ID: CS 33

Date Collected: 06/27/24 08:25 Date Received: 06/28/24 08:44

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

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

Job ID: 880-45373-1

Percent Solids: 98.9

Lab Sample	ID:	880-45373-6
		Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	— <u></u>	06/28/24 11:05	06/29/24 10:56	1
Toluene	<0.00202	U	0.00203	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 10:56	1
Ethylbenzene	<0.00110	U *+	0.00203	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 10:56	1
m-Xylene & p-Xylene	<0.00231	U	0.00405	0.00231	mg/Kg	₩	06/28/24 11:05	06/29/24 10:56	1
o-Xylene	< 0.00160	U	0.00203	0.00160	mg/Kg	₽	06/28/24 11:05	06/29/24 10:56	1
Xylenes, Total	<0.00231	U	0.00405	0.00231	mg/Kg	₽	06/28/24 11:05	06/29/24 10:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/28/24 11:05	06/29/24 10:56	1
1,4-Difluorobenzene (Surr)	77		70 - 130				06/28/24 11:05	06/29/24 10:56	1
Method: SW846 8015B NM - Die Analyte	• •	nics (DRO) Qualifier	(GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.7	J B	50.3	11.0	mg/Kg	— <u> </u>	06/28/24 16:11		
					0 0	*	00/20/24 10:11	06/29/24 21:41	1
Diesel Range Organics (Over C10-C28)	18.7	J	50.3		mg/Kg	\$	06/28/24 16:11	06/29/24 21:41	1
• • •	18.7 <12.6		50.3 50.3	15.1					1 1
C10-C28)		U		15.1	mg/Kg	₩	06/28/24 16:11	06/29/24 21:41	1 1 1 1 Dil Fac
C10-C28) Oil Range Organics (Over C28-C36)	<12.6	U	50.3	15.1	mg/Kg	₩	06/28/24 16:11 06/28/24 16:11	06/29/24 21:41 06/29/24 21:41	1 1 1 1 1 Dil Fac 1

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Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	MDL U	nit I)	Prepared	Analyzed	Dil Fac
Chloride	644	5.01	0.396 m	ıg/Kg			07/02/24 03:27	1

Client Sample ID: CS 36 Lab Sample ID: 880-45373-7

Date Collected: 06/27/24 08:27 Matrix: Solid Date Received: 06/28/24 08:44 Percent Solids: 98.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		06/28/24 11:05	06/29/24 11:16	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	₽	06/28/24 11:05	06/29/24 11:16	1
Ethylbenzene	<0.00109	U *+	0.00201	0.00109	mg/Kg	₽	06/28/24 11:05	06/29/24 11:16	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:05	06/29/24 11:16	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	₽	06/28/24 11:05	06/29/24 11:16	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:05	06/29/24 11:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130				06/28/24 11:05	06/29/24 11:16	1
1,4-Difluorobenzene (Surr)	89		70 - 130				06/28/24 11:05	06/29/24 11:16	1

Method: SW846 8015B NM - Diesel	•	Qualifier	•	MDL	Unit	_	Duamanad	Amalumad	Dil Fac
Analyte	Result	Qualifier	RL	MDL	Unit		Prepared	Analyzed	DII Fac
Gasoline Range Organics (GRO)-C6-C10	31.4	JB	50.5	11.1	mg/Kg	₩	06/28/24 16:11	06/29/24 22:02	1
Diesel Range Organics (Over C10-C28)	84.4		50.5	15.1	mg/Kg	₽	06/28/24 16:11	06/29/24 22:02	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.5	12.6	mg/Kg	₩	06/28/24 16:11	06/29/24 22:02	1

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Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Client Sample ID: CS 36	Lab Sample ID: 880-45373-7
Date Collected: 06/27/24 08:27	Matrix: Solid
Date Received: 06/28/24 08:44	Percent Solids: 98.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/28/24 16:11	06/29/24 22:02	1
o-Terphenyl	108		70 - 130	06/28/24 16:11	06/29/24 22:02	1
_						

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	14000	F1	99.8	7.88	mg/Kg			07/02/24 03:14	20

Client Sample ID: CS 38 Lab Sample ID: 880-45373-8

Date Collected: 06/27/24 08:29 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		06/28/24 11:05	06/29/24 11:37	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 11:37	1
Ethylbenzene	<0.00110	U *+	0.00202	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 11:37	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:05	06/29/24 11:37	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:05	06/29/24 11:37	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg	₩	06/28/24 11:05	06/29/24 11:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130				06/28/24 11:05	06/29/24 11:37	1
1,4-Difluorobenzene (Surr)	81		70 - 130				06/28/24 11:05	06/29/24 11:37	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.4	J B	50.6	11.1	mg/Kg	*	06/28/24 16:11	06/29/24 22:22	1
Diesel Range Organics (Over C10-C28)	36.7	J	50.6	15.2	mg/Kg	₽	06/28/24 16:11	06/29/24 22:22	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.6	12.7	mg/Kg	₩	06/28/24 16:11	06/29/24 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/28/24 16:11	06/29/24 22:22	1
o-Terphenyl	104		70 ₋ 130				06/28/24 16:11	06/29/24 22:22	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	uble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2070	24.9	1.96	mg/Kg			07/02/24 03:30	5

Client Sample ID: CS 47 Lab Sample ID: 880-45373-9 Date Collected: 06/27/24 08:31 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg	₩	06/28/24 11:05	06/29/24 11:57	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 11:57	1
Ethylbenzene	<0.00110	U *+	0.00202	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 11:57	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg	₽	06/28/24 11:05	06/29/24 11:57	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:05	06/29/24 11:57	1
Xylenes, Total	< 0.00231	U	0.00404	0.00231	mg/Kg	₽	06/28/24 11:05	06/29/24 11:57	1

Eurofins Midland

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 47

Date Collected: 06/27/24 08:31

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

Lab Sample ID: 880-45373-9

Matrix: Solid

Matrix: Solid
Percent Solids: 99.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	06/28/24 11:05	06/29/24 11:57	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/28/24 11:05	06/29/24 11:57	1

1,4-Difluorobenzene (Surr)	80		70 - 130				06/28/24 11:05	06/29/24 11:57	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	45.6	J B	50.2	11.0	mg/Kg	<u></u>	06/28/24 16:11	06/29/24 22:42	1
Diesel Range Organics (Over C10-C28)	84.2		50.2	15.0	mg/Kg	₽	06/28/24 16:11	06/29/24 22:42	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.2	12.6	mg/Kg	₩	06/28/24 16:11	06/29/24 22:42	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				06/28/24 16:11	06/29/24 22:42	1
o-Terphenyl	113		70 - 130				06/28/24 16:11	06/29/24 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3020		25.2	1.99	mg/Kg			07/02/24 03:35	5

Client Sample ID: CS 48

Lab Sample ID: 880-45373-10

 Date Collected: 06/27/24 08:33
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 98.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	*	06/28/24 11:05	06/29/24 12:18	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	₽	06/28/24 11:05	06/29/24 12:18	1
Ethylbenzene	<0.00109	U *+	0.00200	0.00109	mg/Kg	₩	06/28/24 11:05	06/29/24 12:18	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:05	06/29/24 12:18	1
o-Xylene	<0.00159	U	0.00200	0.00159	mg/Kg	₽	06/28/24 11:05	06/29/24 12:18	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg	₩	06/28/24 11:05	06/29/24 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		70 - 130				06/28/24 11:05	06/29/24 12:18	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/28/24 11:05	06/29/24 12:18	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	20.6	JB	50.3	11.0	mg/Kg	<u> </u>	06/28/24 16:11	06/29/24 23:03	1
Diesel Range Organics (Over C10-C28)	73.4		50.3	15.1	mg/Kg	₩	06/28/24 16:11	06/29/24 23:03	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:11	06/29/24 23:03	•

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7390	49.9	3.94 mg/Kg			07/02/24 03:40	10	

70 - 130

70 - 130

99

105

Eurofins Midland

06/29/24 23:03

06/29/24 23:03

06/28/24 16:11

06/28/24 16:11

1-Chlorooctane

o-Terphenyl

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 45

Date Collected: 06/27/24 08:35

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

Lab Sample ID: 880-45373-11

Matrix: Solid

Percent Solids: 98.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	<u></u>	06/28/24 11:05	06/29/24 13:44	1
Toluene	<0.00205	U	0.00205	0.00205	mg/Kg	₽	06/28/24 11:05	06/29/24 13:44	1
Ethylbenzene	<0.00112	U *+	0.00205	0.00112	mg/Kg	₽	06/28/24 11:05	06/29/24 13:44	1
m-Xylene & p-Xylene	<0.00235	U	0.00411	0.00235	mg/Kg	₩	06/28/24 11:05	06/29/24 13:44	1
o-Xylene	< 0.00163	U	0.00205	0.00163	mg/Kg	₽	06/28/24 11:05	06/29/24 13:44	1
Xylenes, Total	<0.00235	U	0.00411	0.00235	mg/Kg	₩	06/28/24 11:05	06/29/24 13:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130				06/28/24 11:05	06/29/24 13:44	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/28/24 11:05	06/29/24 13:44	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	33.0	JB	50.7	11.1	mg/Kg	*	06/28/24 16:11	06/29/24 23:23	1
Diesel Range Organics (Over C10-C28)	66.6		50.7	15.2	mg/Kg	₽	06/28/24 16:11	06/29/24 23:23	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.7	12.7	mg/Kg	₩	06/28/24 16:11	06/29/24 23:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				06/28/24 16:11	06/29/24 23:23	1
o-Terphenyl	105		70 - 130				06/28/24 16:11	06/29/24 23:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3310	50.2	3.97	mg/Kg			07/02/24 03:46	10

Client Sample ID: CS 49

Date Collected: 06/27/24 08:37

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-12

Matrix: Solid

Percent Solids: 99.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg	*	06/28/24 11:05	06/29/24 14:04	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 14:04	1
Ethylbenzene	<0.00110	U *+	0.00202	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 14:04	1
m-Xylene & p-Xylene	<0.00231	U	0.00405	0.00231	mg/Kg	₽	06/28/24 11:05	06/29/24 14:04	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:05	06/29/24 14:04	1
Xylenes, Total	<0.00231	U	0.00405	0.00231	mg/Kg	₩	06/28/24 11:05	06/29/24 14:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/28/24 11:05	06/29/24 14:04	1
1,4-Difluorobenzene (Surr)	81		70 - 130				06/28/24 11:05	06/29/24 14:04	1

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (0	GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	30.7	JB	50.2	11.0	mg/Kg	<u> </u>	06/28/24 16:11	06/29/24 23:44	1
Diesel Range Organics (Over C10-C28)	30.0	J	50.2	15.1	mg/Kg	₽	06/28/24 16:11	06/29/24 23:44	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.2	12.6	mg/Kg	₩	06/28/24 16:11	06/29/24 23:44	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

b Sample ID: 880-45373-12

Analyzed

Matrix: Solid

Percent Solids: 99.4

Client Sample ID: CS 49	Lab Sam
Date Collected: 06/27/24 08:37	

Surrogate	%Recovery	Qualifier	Limits	Prepared
1-Chlorooctane	106		70 - 130	06/28/24 16:11
o-Terphenyl	107		70 - 130	06/28/24 16:11

Method: EPA 300.0 - Anions, Ion C	hromatography - So	oluble			
o-Terphenyl	107	70 - 130	06/28/24 16:11	06/29/24 23:44	1
1-Chlorooctane	106	70 - 130	06/28/24 16:11	06/29/24 23:44	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2570		25.3	1.99	mg/Kg			07/02/24 04:01	5

Client Sample ID: CS 58 Lab Sample ID: 880-45373-13

Date Collected: 06/27/24 08:39
Date Received: 06/28/24 08:44
Percent Solids: 97.5

Method: SW846 8021B - Volati	hod: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg		06/28/24 11:05	06/29/24 14:25	1		
Toluene	<0.00205	U	0.00205	0.00205	mg/Kg	₽	06/28/24 11:05	06/29/24 14:25	1		
Ethylbenzene	<0.00112	U *+	0.00205	0.00112	mg/Kg	₽	06/28/24 11:05	06/29/24 14:25	1		
m-Xylene & p-Xylene	<0.00235	U	0.00411	0.00235	mg/Kg	\$	06/28/24 11:05	06/29/24 14:25	1		
o-Xylene	<0.00163	U	0.00205	0.00163	mg/Kg	₽	06/28/24 11:05	06/29/24 14:25	1		
Xylenes, Total	<0.00235	U	0.00411	0.00235	mg/Kg	₽	06/28/24 11:05	06/29/24 14:25	1		
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	105		70 - 130				06/28/24 11:05	06/29/24 14:25	1		
1,4-Difluorobenzene (Surr)	92		70 - 130				06/28/24 11:05	06/29/24 14:25	1		

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	37.5	JB	51.1	11.2	mg/Kg	*	06/28/24 16:11	06/30/24 00:25	1	
Diesel Range Organics (Over C10-C28)	673		51.1	15.3	mg/Kg	₽	06/28/24 16:11	06/30/24 00:25	1	
Oil Range Organics (Over C28-C36)	<12.8	U	51.1	12.8	mg/Kg	₽	06/28/24 16:11	06/30/24 00:25	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130				06/28/24 16:11	06/30/24 00:25	1	
o-Terphenyl	102		70 - 130				06/28/24 16:11	06/30/24 00:25	1	

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13900	101	7.95 mg/Kg			07/02/24 04:06	20

Client Sample ID: CS 59

Date Collected: 06/27/24 08:41

Date Received: 06/28/24 08:44

Percent Solids: 99.0

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
<0.00139	U	0.00200	0.00139	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
<0.00200	U	0.00200	0.00200	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
<0.00109	U *+	0.00200	0.00109	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
< 0.00159	U	0.00200	0.00159	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:05	06/29/24 14:46	1	
	Result <0.00139 <0.00200 <0.00109 <0.00229 <0.00159	tile Organic Compounds (GC) Result Qualifier <0.00139 U <0.00200 U <0.00109 U*+ <0.00229 U <0.00159 U <0.00229 U	Result Qualifier RL <0.00139	Result Qualifier RL MDL <0.00139	Result Qualifier RL MDL Unit <0.00139	Result Qualifier RL MDL Unit D <0.00139	Result Qualifier RL MDL Unit D Prepared <0.00139	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00139	

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 59 Lab Sample ID: 880-45373-14

Date Collected: 06/27/24 08:41 Matrix: Solid Date Received: 06/28/24 08:44 Percent Solids: 99.0

Surrogate	%Recovery Qua	alifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96	70 - 130	06/28/24 11:05	06/29/24 14:46	1
1,4-Difluorobenzene (Surr)	86	70 - 130	06/28/24 11:05	06/29/24 14:46	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	32.1	JB	50.3	11.0	mg/Kg	*	06/28/24 16:11	06/30/24 00:45	1
Diesel Range Organics (Over C10-C28)	798		50.3	15.1	mg/Kg	₽	06/28/24 16:11	06/30/24 00:45	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:11	06/30/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/28/24 16:11	06/30/24 00:45	1
o-Terphenyl	118		70 - 130				06/28/24 16:11	06/30/24 00:45	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5180		49.5	3.91	mg/Kg			07/02/24 04:12	10	

Client Sample ID: CS 60 Lab Sample ID: 880-45373-15

Date Collected: 06/27/24 08:43 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		06/28/24 11:05	06/29/24 15:06	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:05	06/29/24 15:06	1
Ethylbenzene	<0.00110	U *+	0.00202	0.00110	mg/Kg	₽	06/28/24 11:05	06/29/24 15:06	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:05	06/29/24 15:06	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:05	06/29/24 15:06	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg	₩	06/28/24 11:05	06/29/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/28/24 11:05	06/29/24 15:06	1
1,4-Difluorobenzene (Surr)	85		70 - 130				06/28/24 11:05	06/29/24 15:06	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	11.5	J B	50.2	11.0	mg/Kg	*	06/28/24 16:11	06/30/24 04:14	1
Diesel Range Organics (Over C10-C28)	736		50.2	15.1	mg/Kg	₽	06/28/24 16:11	06/30/24 04:14	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.2	12.6	mg/Kg	₽	06/28/24 16:11	06/30/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	17	S1-	70 - 130				06/28/24 16:11	06/30/24 04:14	1
o-Terphenyl	18	S1-	70 ₋ 130				06/28/24 16:11	06/30/24 04:14	1

monour 2177 course 7 millions, for containing raphy countries								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	11000	99.8	7.88 mg/Kg			07/02/24 04:17	20

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 57

Date Collected: 06/27/24 08:45 Date Received: 06/28/24 08:44 Job ID: 880-45373-1

mple ID: 990 45272 46

Lab Sample ID: 880-45373-16

Matrix: Solid	
Percent Solids: 98.9	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg	— <u></u>	06/28/24 11:05	06/29/24 15:27	1
Toluene	<0.00200	U	0.00201	0.00200	mg/Kg	₽	06/28/24 11:05	06/29/24 15:27	1
Ethylbenzene	< 0.00109	U *+	0.00201	0.00109	mg/Kg	₽	06/28/24 11:05	06/29/24 15:27	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg	₩	06/28/24 11:05	06/29/24 15:27	1
o-Xylene	< 0.00159	U	0.00201	0.00159	mg/Kg	₩	06/28/24 11:05	06/29/24 15:27	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:05	06/29/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				06/28/24 11:05	06/29/24 15:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130				06/28/24 11:05	06/29/24 15:27	1
- Method: SW846 8015B NM - D	iesel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	43.1	JB	50.5	11.1	mg/Kg	*	06/28/24 16:11	06/30/24 01:06	1

ei italige Olga	ilica (Dito)	(00)						
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
43.1	J B	50.5	11.1	mg/Kg	<u></u>	06/28/24 16:11	06/30/24 01:06	1
45.0	J	50.5	15.2	mg/Kg	₩	06/28/24 16:11	06/30/24 01:06	1
<12.7	U	50.5	12.7	mg/Kg	\$	06/28/24 16:11	06/30/24 01:06	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
100		70 - 130				06/28/24 16:11	06/30/24 01:06	1
106		70 - 130				06/28/24 16:11	06/30/24 01:06	1
	Result 43.1 45.0 <12.7 %Recovery 100	Result Qualifier	Result 43.1 Qualifier JB RL 50.5 45.0 J 50.5 <12.7	Result Qualifier RL MDL 43.1 J B 50.5 11.1 45.0 J 50.5 15.2 <12.7	43.1 JB 50.5 11.1 mg/Kg 45.0 J 50.5 15.2 mg/Kg <12.7 U	Result 43.1 J B RL 50.5 MDL mit mg/Kg D mg/Kg 45.0 J 50.5 11.1 mg/Kg ** <12.7 U	Result 43.1 J B RL 50.5 MDL mg/Kg D mg/Kg Prepared 06/28/24 16:11 45.0 J 50.5 J 50.5 15.2 mg/Kg □ 06/28/24 16:11 <12.7 U 50.5 J 12.7 mg/Kg	Result Qualifier RL MDL Unit mg/Kg D MDL mg/Kg Prepared Mo/28/24 16:11 Analyzed Mo/30/24 01:06 43.1 JB 50.5 11.1 mg/Kg □ 06/28/24 16:11 06/30/24 01:06 45.0 J 50.5 15.2 mg/Kg □ 06/28/24 16:11 06/30/24 01:06 <12.7 U

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4440		49.7	3.93	mg/Kg			07/02/24 04:22	10

 Client Sample ID: CS 61
 Lab Sample ID: 880-45373-17

 Date Collected: 06/27/24 08:04
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 98.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	₩	06/28/24 11:05	06/29/24 15:47	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:05	06/29/24 15:47	1
Ethylbenzene	<0.00111	U *+	0.00203	0.00111	mg/Kg	₽	06/28/24 11:05	06/29/24 15:47	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₩	06/28/24 11:05	06/29/24 15:47	1
o-Xylene	<0.00161	U	0.00203	0.00161	mg/Kg	₽	06/28/24 11:05	06/29/24 15:47	1
Xylenes, Total	<0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:05	06/29/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130				06/28/24 11:05	06/29/24 15:47	1
1,4-Difluorobenzene (Surr)	84		70 - 130				06/28/24 11:05	06/29/24 15:47	1

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.3	JB	50.7	11.1	mg/Kg	₩	06/28/24 16:11	06/30/24 01:26	1
Diesel Range Organics (Over C10-C28)	35.8	J	50.7	15.2	mg/Kg	₩	06/28/24 16:11	06/30/24 01:26	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.7	12.7	mg/Kg	₽	06/28/24 16:11	06/30/24 01:26	1

Eurofins Midland

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

Percent Solids: 98.6

Client Sample ID: CS 61	Lab Sample ID: 880-45373-17
Date Collected: 06/27/24 08:04	Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/28/24 16:11	06/30/24 01:26	1
o-Terphenyl	93		70 - 130	06/28/24 16:11	06/30/24 01:26	1

Method: EPA 300.0 - Anions, Ion C	hromatography	y - Soluble						
Analyte	Result Q	Qualifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2240	25.0	1.97	mg/Kg			07/02/24 04:27	5

Client Sample ID: CS 16 Lab Sample ID: 880-45373-18

Date Collected: 06/27/24 08:49 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.1

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00203	0.00142	mg/Kg	*	06/28/24 11:05	06/29/24 16:08	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:05	06/29/24 16:08	1
Ethylbenzene	<0.00111	U *+	0.00203	0.00111	mg/Kg	₽	06/28/24 11:05	06/29/24 16:08	1
m-Xylene & p-Xylene	<0.00232	U	0.00407	0.00232	mg/Kg	₩	06/28/24 11:05	06/29/24 16:08	1
o-Xylene	< 0.00161	U	0.00203	0.00161	mg/Kg	₩	06/28/24 11:05	06/29/24 16:08	1
Xylenes, Total	<0.00232	U	0.00407	0.00232	mg/Kg	₽	06/28/24 11:05	06/29/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130				06/28/24 11:05	06/29/24 16:08	1
1.4-Difluorobenzene (Surr)	77		70 - 130				06/28/24 11:05	06/29/24 16:08	1

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	44.1	J B	50.3	11.0	mg/Kg	*	06/28/24 16:11	06/30/24 01:47	1
Diesel Range Organics (Over C10-C28)	27.7	J	50.3	15.1	mg/Kg	₽	06/28/24 16:11	06/30/24 01:47	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:11	06/30/24 01:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/28/24 16:11	06/30/24 01:47	1
o-Terphenyl	98		70 - 130				06/28/24 16:11	06/30/24 01:47	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Solu	ıble						
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1660	25.3	1.99	mg/Kg			07/02/24 04:43	5

Client Sample ID: CS 76 Lab Sample ID: 880-45373-19 Date Collected: 06/27/24 08:51 Matrix: Solid Date Received: 06/28/24 08:44 Percent Solids: 97.7

tile Organic Comp	ounds (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00143	U	0.00206	0.00143	mg/Kg	₽	06/28/24 11:05	06/29/24 16:29	1
<0.00205	U	0.00206	0.00205	mg/Kg	₩	06/28/24 11:05	06/29/24 16:29	1
<0.00112	U *+	0.00206	0.00112	mg/Kg	₩	06/28/24 11:05	06/29/24 16:29	1
<0.00235	U	0.00411	0.00235	mg/Kg	₩	06/28/24 11:05	06/29/24 16:29	1
< 0.00163	U	0.00206	0.00163	mg/Kg	₩	06/28/24 11:05	06/29/24 16:29	1
< 0.00235	U	0.00411	0.00235	mg/Kg	₽	06/28/24 11:05	06/29/24 16:29	1
	Result <0.00143 <0.00205 <0.00112 <0.00235 <0.00163	Result Qualifier	<0.00143 U 0.00206 <0.00205 U 0.00206 <0.00112 U*+ 0.00206 <0.00235 U 0.00411 <0.00163 U 0.00206	Result Qualifier RL MDL <0.00143	Result Qualifier RL MDL Unit <0.00143	Result Qualifier RL MDL Unit D <0.00143	Result Qualifier RL MDL Unit D Prepared <0.00143	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00143

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Client Sample ID: CS 76

Date Collected: 06/27/24 08:51 Date Received: 06/28/24 08:44 Lab Sample ID: 880-45373-19

Matrix: Solid

Percent Solids: 97.7

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130				06/28/24 11:05	06/29/24 16:29	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/28/24 11:05	06/29/24 16:29	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	<11.2	U	51.1	11.2	mg/Kg	*	06/28/24 16:11	06/30/24 02:06	1
Diesel Range Organics (Over C10-C28)	<15.3	U	51.1	15.3	mg/Kg	₽	06/28/24 16:11	06/30/24 02:06	1
Oil Range Organics (Over C28-C36)	<12.8	U	51.1	12.8	mg/Kg	₩	06/28/24 16:11	06/30/24 02:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane		S1-	70 - 130				06/28/24 16:11	06/30/24 02:06	1
o-Terphenyl	12	S1-	70 - 130				06/28/24 16:11	06/30/24 02:06	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	е						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15200		99.6	7.87	mg/Kg			07/02/24 04:48	20

Client Sample ID: CS 71 Lab Sample ID: 880-45373-20

Date Collected: 06/27/24 08:53

Date Received: 06/28/24 08:44

Matrix: Solid Percent Solids: 97.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00144	U	0.00206	0.00144	mg/Kg	*	06/28/24 11:05	06/29/24 16:49	-
Toluene	<0.00206	U	0.00206	0.00206	mg/Kg	₽	06/28/24 11:05	06/29/24 16:49	
Ethylbenzene	< 0.00112	U *+	0.00206	0.00112	mg/Kg	₽	06/28/24 11:05	06/29/24 16:49	
m-Xylene & p-Xylene	<0.00236	U	0.00413	0.00236	mg/Kg	₽	06/28/24 11:05	06/29/24 16:49	
o-Xylene	< 0.00163	U	0.00206	0.00163	mg/Kg	₽	06/28/24 11:05	06/29/24 16:49	
Xylenes, Total	<0.00236	U	0.00413	0.00236	mg/Kg	₩	06/28/24 11:05	06/29/24 16:49	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	82		70 - 130				06/28/24 11:05	06/29/24 16:49	
1,4-Difluorobenzene (Surr)	79		70 - 130				06/28/24 11:05	06/29/24 16:49	
Method: SW846 8015B NM - Dies Analyte	•	,	• •	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte Gasoline Range Organics	•	Qualifier	(GC) RL 51.2	MDL 11.2	Unit mg/Kg	<u>D</u>	Prepared 06/28/24 16:11	Analyzed 06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 26.4	Qualifier	RL 51.2	11.2	mg/Kg		06/28/24 16:11	06/30/24 03:12	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result	Qualifier	RL _	11.2		*	<u> </u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 26.4	Qualifier J B	RL 51.2	11.2 15.4	mg/Kg	*	06/28/24 16:11	06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result 26.4	Qualifier J B	RL 51.2 51.2	11.2 15.4	mg/Kg	— —	06/28/24 16:11 06/28/24 16:11	06/30/24 03:12 06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result 26.4 1270 <12.8	Qualifier J B	RL 51.2 51.2 51.2	11.2 15.4	mg/Kg	— —	06/28/24 16:11 06/28/24 16:11 06/28/24 16:11	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 26.4 1270 <12.8 %Recovery	Qualifier J B	RL 51.2 51.2 51.2 Limits	11.2 15.4	mg/Kg	— —	06/28/24 16:11 06/28/24 16:11 06/28/24 16:11 Prepared	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 26.4 1270 <12.8 **Recovery 121 115	Qualifier J B U Qualifier	RL 51.2 51.2 51.2 51.2 Limits 70 - 130 70 - 130	11.2 15.4	mg/Kg	— —	06/28/24 16:11 06/28/24 16:11 06/28/24 16:11 Prepared 06/28/24 16:11	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 Analyzed 06/30/24 03:12	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 26.4 1270 <12.8	Qualifier J B U Qualifier	RL 51.2 51.2 51.2 51.2 Limits 70 - 130 70 - 130	11.2 15.4	mg/Kg mg/Kg mg/Kg	— —	06/28/24 16:11 06/28/24 16:11 06/28/24 16:11 Prepared 06/28/24 16:11	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 Analyzed 06/30/24 03:12	Dil Fac

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

1-Chlorooctane

o-Terphenyl

Job ID: 880-45373-1

Client Sample ID: CS 72 Lab Sample ID: 880-45373-21 Date Collected: 06/27/24 08:55

Matrix: Solid

06/28/24 16:11 06/30/24 03:54

06/30/24 03:54

06/28/24 16:11

Date Received: 06/28/24 08:44 Percent Solids: 97.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	-	06/28/24 11:07	06/28/24 23:15	1
Toluene	<0.00204	U F1	0.00204	0.00204	mg/Kg	₩	06/28/24 11:07	06/28/24 23:15	1
Ethylbenzene	<0.00111	U F1	0.00204	0.00111	mg/Kg	₽	06/28/24 11:07	06/28/24 23:15	1
m-Xylene & p-Xylene	<0.00233	U F1	0.00407	0.00233	mg/Kg	₽	06/28/24 11:07	06/28/24 23:15	1
o-Xylene	< 0.00161	U F1	0.00204	0.00161	mg/Kg	₽	06/28/24 11:07	06/28/24 23:15	1
Xylenes, Total	<0.00233	U F1	0.00407	0.00233	mg/Kg	\$	06/28/24 11:07	06/28/24 23:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/28/24 11:07	06/28/24 23:15	1
1,4-Difluorobenzene (Surr)	106		70 - 130				06/28/24 11:07	06/28/24 23:15	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	<11.2	U	50.9	11.2	mg/Kg	*	06/28/24 16:11	06/30/24 03:54	1
Diesel Range Organics (Over C10-C28)	327		50.9	15.3	mg/Kg	₽	06/28/24 16:11	06/30/24 03:54	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.9	12.7	mg/Kg	\$	06/28/24 16:11	06/30/24 03:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analvzed	Dil Fac

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	25500	252	19.9 mg/Kg			07/02/24 05:10	50		

70 - 130

70 - 130

10 S1-

10 S1-

Lab Sample ID: 880-45373-22 Client Sample ID: CS 73

Date Collected: 06/27/24 08:57 **Matrix: Solid** Percent Solids: 98.4 Date Received: 06/28/24 08:44

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	₩	06/28/24 11:07	06/28/24 23:35	1
Toluene	<0.00204	U	0.00204	0.00204	mg/Kg	₽	06/28/24 11:07	06/28/24 23:35	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:07	06/28/24 23:35	1
m-Xylene & p-Xylene	<0.00233	U	0.00408	0.00233	mg/Kg	\$	06/28/24 11:07	06/28/24 23:35	1
o-Xylene	<0.00162	U	0.00204	0.00162	mg/Kg	₽	06/28/24 11:07	06/28/24 23:35	1
Xylenes, Total	<0.00233	U	0.00408	0.00233	mg/Kg	₽	06/28/24 11:07	06/28/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/28/24 11:07	06/28/24 23:35	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/28/24 23:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	34.3	JB	50.6	11.1	mg/Kg	<u></u>	06/28/24 16:11	06/30/24 03:34	1	
Diesel Range Organics (Over C10-C28)	296		50.6	15.2	mg/Kg	₽	06/28/24 16:11	06/30/24 03:34	1	
Oil Range Organics (Over C28-C36)	<12.7	U	50.6	12.7	mg/Kg	₩	06/28/24 16:11	06/30/24 03:34	1	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

Lab Sample ID: 880-45373-22

Matrix: Solid

Client Sample ID: CS 73 Date Collected: 06/27/24 08:57 Date Received: 06/28/24 08:44 Percent Solids: 98.4

Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac

1-Chlorooctane 70 - 130 06/28/24 16:11 06/30/24 03:34 79 o-Terphenyl 83 70 - 130 06/28/24 16:11 06/30/24 03:34

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride 20000 100 7.90 mg/Kg 07/02/24 05:15 20

Client Sample ID: CS 69 Lab Sample ID: 880-45373-23

Date Collected: 06/27/24 08:59 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.5

Method: SW846 8021B - Volatile Organic Compounds (GC) Result Qualifier MDL Dil Fac Analyte RL Unit D Prepared Analyzed _ <0.00143 U Benzene 0.00205 0.00143 06/28/24 11:07 06/28/24 23:55 mg/Kg Toluene <0.00205 U 0.00205 0.00205 mg/Kg ġ 06/28/24 11:07 06/28/24 23:55 Ethylbenzene <0.00112 U 0.00205 0.00112 mg/Kg Ö 06/28/24 11:07 06/28/24 23:55 0.00234 06/28/24 11:07 06/28/24 23:55 m-Xylene & p-Xylene < 0.00234 0.00410 mg/Kg o-Xylene <0.00162 U 0.00205 0.00162 mg/Kg ä 06/28/24 11:07 06/28/24 23:55 Xylenes, Total <0.00234 U 0.00410 0.00234 mg/Kg 06/28/24 11:07 06/28/24 23:55 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 106 70 - 130 06/28/24 11:07 06/28/24 23:55

1,4-Difluorobenzene (Surr) 102 70 - 130 06/28/24 11:07 06/28/24 23:55 Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier MDL Analyte RL Unit Prepared Analyzed Dil Fac

Gasoline Range Organics 50.7 06/28/24 16:15 06/29/24 19:59 28.2 JB 11.1 mg/Kg (GRO)-C6-C10 **Diesel Range Organics (Over** 47.1 J F1 50.7 15.2 ma/Ka 06/28/24 16:15 06/29/24 19:59 C10-C28) Oil Range Organics (Over 19.3 J 50.7 12.7 mg/Kg 06/28/24 16:15 06/29/24 19:59 C28-C36)

Limits Dil Fac Surrogate %Recovery Qualifier Prepared Analyzed 97 06/28/24 16:15 06/29/24 19:59 1-Chlorooctane 70 - 130 o-Terphenyl 100 70 - 130 06/28/24 16:15 06/29/24 19:59

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL MDL Dil Fac Analyte Unit D Prepared Analyzed 99.2 7.84 07/02/24 05:20 20 Chloride 11900 mg/Kg

Client Sample ID: CS 14 Lab Sample ID: 880-45373-24

Date Collected: 06/27/24 09:01 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.3

Method: SW846 8021B - Volatile Organic Compounds (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/28/24 11:07	06/29/24 00:16	1	
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	₽	06/28/24 11:07	06/29/24 00:16	1	
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	₽	06/28/24 11:07	06/29/24 00:16	1	
m-Xylene & p-Xylene	<0.00228	U	0.00400	0.00228	mg/Kg	₽	06/28/24 11:07	06/29/24 00:16	1	
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	₽	06/28/24 11:07	06/29/24 00:16	1	
Xylenes, Total	<0.00228	U	0.00400	0.00228	mg/Kg	₩	06/28/24 11:07	06/29/24 00:16	1	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 14

Job ID: 880-45373-1

Lab Sample ID: 880-45373-24

Date Collected: 06/27/24 09:01	Matrix: Solid
Date Received: 06/28/24 08:44	Percent Solids: 99.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/28/24 11:07	06/29/24 00:16	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/28/24 11:07	06/29/24 00:16	1
-						

1 Bromondorosonzono (Garr)	702		70 - 700				00/20/21 11:01	00, 20, 2 , 00. 10	,
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:07	06/29/24 00:16	1
- Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	40.4	J B	50.2	11.0	mg/Kg	<u></u>	06/28/24 16:15	06/29/24 21:00	
Diesel Range Organics (Over C10-C28)	25.3	J	50.2	15.1	mg/Kg	₽	06/28/24 16:15	06/29/24 21:00	•
Oil Range Organics (Over C28-C36)	<12.6	U	50.2	12.6	mg/Kg	₩	06/28/24 16:15	06/29/24 21:00	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130				06/28/24 16:15	06/29/24 21:00	
o-Terphenyl	75		70 - 130				06/28/24 16:15	06/29/24 21:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	3040		25.2	1.99	mg/Kg			07/02/24 05:25	5

Client Sample ID: CS 88 Lab Sample ID: 880-45373-25

Date Collected: 06/27/24 09:03 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg		06/28/24 11:07	06/29/24 00:36	1
Toluene	< 0.00203	U	0.00203	0.00203	mg/Kg	₩	06/28/24 11:07	06/29/24 00:36	1
Ethylbenzene	<0.00111	U	0.00203	0.00111	mg/Kg	₩	06/28/24 11:07	06/29/24 00:36	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₩	06/28/24 11:07	06/29/24 00:36	1
o-Xylene	< 0.00161	U	0.00203	0.00161	mg/Kg	₩	06/28/24 11:07	06/29/24 00:36	1
Xylenes, Total	<0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				06/28/24 11:07	06/29/24 00:36	
. 2.0	101		10 = 100				00/20/21 11:01	00,20,2100.00	
1,4-Difluorobenzene (Surr)	101	mica (DDO)	70 - 130				06/28/24 11:07	06/29/24 00:36	1
,	101 esel Range Orga	inics (DRO) Qualifier	70 - 130	MDL	Unit	D			
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di	101 esel Range Orga	Qualifier	70 - 130 (GC)	MDL 11.0	Unit mg/Kg	D **	06/28/24 11:07	06/29/24 00:36	
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics	esel Range Orga Result	Qualifier	70 - 130 (GC)				06/28/24 11:07 Prepared	06/29/24 00:36 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10	esel Range Orga Result 24.1	Qualifier	70 - 130 (GC) RL 50.3	11.0	mg/Kg	*	06/28/24 11:07 Prepared 06/28/24 16:15	06/29/24 00:36 Analyzed 06/29/24 21:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	esel Range Orga Result 24.1	Qualifier	70 - 130 (GC) RL 50.3	11.0 15.1	mg/Kg	*	06/28/24 11:07 Prepared 06/28/24 16:15	06/29/24 00:36 Analyzed 06/29/24 21:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	esel Range Orga Result 24.1 337	Qualifier	70 - 130 (GC) RL 50.3	11.0 15.1	mg/Kg mg/Kg	— — *	06/28/24 11:07 Prepared 06/28/24 16:15 06/28/24 16:15	Analyzed 06/29/24 21:21 06/29/24 21:21	Dil Fac 1
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	esel Range Orga Result 24.1 337	Qualifier J B	70 - 130 (GC) RL 50.3	11.0 15.1	mg/Kg mg/Kg	— — *	06/28/24 11:07 Prepared 06/28/24 16:15 06/28/24 16:15	Analyzed 06/29/24 21:21 06/29/24 21:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	101 esel Range Orga Result 24.1 337 184	Qualifier J B Qualifier	70 - 130 (GC) RL 50.3 50.3	11.0 15.1	mg/Kg mg/Kg	— — *	Prepared 06/28/24 16:15 06/28/24 16:15 06/28/24 16:15	Analyzed 06/29/24 21:21 06/29/24 21:21 06/29/24 21:21	Dil Fac 1 1

Eurofins Midland

Analyzed

07/02/24 05:30

RL

25.1

MDL Unit

1.98 mg/Kg

Prepared

Analyte

Chloride

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

1380

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

1-Chlorooctane

Job ID: 880-45373-1

Client Sample ID: CS 89

Date Collected: 06/27/24 09:05

Lab Sai

Lab Sample ID: 880-45373-26 Matrix: Solid

06/28/24 16:15 06/30/24 03:54

Date Received: 06/28/24 08:44 Percent Solids: 98.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	— <u></u>	06/28/24 11:07	06/29/24 00:57	1
Toluene	<0.00203	U	0.00204	0.00203	mg/Kg	₽	06/28/24 11:07	06/29/24 00:57	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:07	06/29/24 00:57	1
m-Xylene & p-Xylene	<0.00233	U	0.00407	0.00233	mg/Kg	₽	06/28/24 11:07	06/29/24 00:57	1
o-Xylene	< 0.00161	U	0.00204	0.00161	mg/Kg	₽	06/28/24 11:07	06/29/24 00:57	1
Xylenes, Total	<0.00233	U	0.00407	0.00233	mg/Kg	₽	06/28/24 11:07	06/29/24 00:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130				06/28/24 11:07	06/29/24 00:57	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 00:57	1
- Method: SW846 8015B NM - Di	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<11.1	U	50.7	11.1	mg/Kg	— <u> </u>	06/28/24 16:15	06/30/24 03:54	1
			50.7		ma/Ka		06/28/24 16:15	06/30/24 03:54	

Α	nalyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	asoline Range Organics	<11.1	U	50.7	11.1	mg/Kg	<u></u>	06/28/24 16:15	06/30/24 03:54	1
١,	GRO)-C6-C10									
	iesel Range Organics (Over	149		50.7	15.2	mg/Kg	₽	06/28/24 16:15	06/30/24 03:54	1
	10-C28)									
	il Range Organics (Over	476		50.7	12.7	mg/Kg	₽	06/28/24 16:15	06/30/24 03:54	1
0	28-C36)									
s	urrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

o-Terphenyl	12 5	31-	70 - 130				06/28/24 16:15	06/30/24 03:54	1
Method: EPA 300.0 - Anions, Ion C	hromatograph	y - Soluble	•						
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11800		99.8	7.88	mg/Kg			07/02/24 05:36	20

70 - 130

10 S1-

Client Sample ID: CS 90 Lab Sample ID: 880-45373-27

Date Collected: 06/27/24 09:07

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 98.9

Method: SW846 8021B - Volati	ile Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg	-	06/28/24 11:07	06/29/24 01:17	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	₽	06/28/24 11:07	06/29/24 01:17	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg	₽	06/28/24 11:07	06/29/24 01:17	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 01:17	1
o-Xylene	< 0.00159	U	0.00201	0.00159	mg/Kg	₽	06/28/24 11:07	06/29/24 01:17	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 01:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/28/24 11:07	06/29/24 01:17	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 01:17	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.1	JB	50.3	11.0	mg/Kg	‡	06/28/24 16:15	06/29/24 21:41	1
Diesel Range Organics (Over C10-C28)	64.3		50.3	15.1	mg/Kg	₽	06/28/24 16:15	06/29/24 21:41	1
Oil Range Organics (Over C28-C36)	32.0	J	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/29/24 21:41	1

Eurofins Midland

3

5

6

0

10

12

13

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

d

Percent Solids: 98.9

Client Sample ID: CS 90	Lab Sample ID: 880-453/3-2/
Date Collected: 06/27/24 09:07	Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	06/28/24 16:	15 06/29/24 21:41	1
o-Terphenyl	80		70 - 130	06/28/24 16:	15 06/29/24 21:41	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4580		24.9	1.97	mg/Kg			07/02/24 14:53	5

Client Sample ID: CS 91 Lab Sample ID: 880-45373-28

Date Collected: 06/27/24 09:09 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.7

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg		06/28/24 11:07	06/29/24 01:38	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	₽	06/28/24 11:07	06/29/24 01:38	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg	₽	06/28/24 11:07	06/29/24 01:38	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 01:38	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	₽	06/28/24 11:07	06/29/24 01:38	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 01:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/28/24 11:07	06/29/24 01:38	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/28/24 11:07	06/29/24 01:38	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.2	JB	50.3	11.0	mg/Kg	₩	06/28/24 16:15	06/29/24 22:02	1
Diesel Range Organics (Over C10-C28)	20.2	J	50.3	15.1	mg/Kg	₽	06/28/24 16:15	06/29/24 22:02	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/29/24 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130				06/28/24 16:15	06/29/24 22:02	1
o-Terphenyl	97		70 - 130				06/28/24 16:15	06/29/24 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	8270		49.9	3.94	mg/Kg			07/02/24 15:11	10

Client Sample ID: CS 1 Lab Sample ID: 880-45373-29 Date Collected: 06/27/24 09:11 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	*	06/28/24 11:07	06/29/24 01:58	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₩	06/28/24 11:07	06/29/24 01:58	1
Ethylbenzene	<0.00111	U	0.00203	0.00111	mg/Kg	₽	06/28/24 11:07	06/29/24 01:58	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 01:58	1
o-Xylene	< 0.00161	U	0.00203	0.00161	mg/Kg	₽	06/28/24 11:07	06/29/24 01:58	1
Xylenes, Total	< 0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 01:58	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 1

o-Terphenyl

Date Collected: 06/27/24 09:11

Job ID: 880-45373-1

Lab Sample ID: 880-45373-29

06/29/24 22:22

06/28/24 16:15

Matrix: Solid

Date Received: 06/28/24 08:44					Percent Solid	ds: 98.5
Surrogate	%Recovery G	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/28/24 11:07	06/29/24 01:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepare	∌d	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	06/28/24 1	11:07	06/29/24 01:58	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/28/24 1	11:07	06/29/24 01:58	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	25.6	J B	50.3	11.0	mg/Kg	*	06/28/24 16:15	06/29/24 22:22	1
Diesel Range Organics (Over C10-C28)	183		50.3	15.1	mg/Kg	₩	06/28/24 16:15	06/29/24 22:22	1
Oil Range Organics (Over C28-C36)	50.4		50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/29/24 22:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/28/24 16:15	06/29/24 22:22	1

Method: EPA 300.0 - Anions, Ion Ch	romatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6640		50.0	3.95	mg/Kg			07/02/24 15:17	10

70 - 130

85

2260

Client Sample ID: CS 74 Lab Sample ID: 880-45373-30 Date Collected: 06/27/24 09:13 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.8

<0.00139 <0.00200		0.00200	0.00139	mg/Kg	— <u></u>	06/28/24 11:07	06/29/24 02:18	
<0.00200	U							
	~	0.00200	0.00200	mg/Kg	₽	06/28/24 11:07	06/29/24 02:18	1
<0.00109	U	0.00200	0.00109	mg/Kg	₽	06/28/24 11:07	06/29/24 02:18	1
<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:07	06/29/24 02:18	1
<0.00159	U	0.00200	0.00159	mg/Kg	₽	06/28/24 11:07	06/29/24 02:18	1
<0.00229	U	0.00401	0.00229	mg/Kg	₩	06/28/24 11:07	06/29/24 02:18	1
%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
103		70 - 130				06/28/24 11:07	06/29/24 02:18	
101		70 - 130				06/28/24 11:07	06/29/24 02:18	1
		RL			D	Prepared	Analyzed	Dil Fa
		• •	MDL	Unit	D	Prepared	Analyzed	Dil Fac
30.3	7.5	00.1		9/119	~	00/20/21 10:10	00/20/2 / 22.12	
43.6	J	50.4	15.1	mg/Kg	₩	06/28/24 16:15	06/29/24 22:42	1
16.0	J	50.4	12.6	mg/Kg	₩	06/28/24 16:15	06/29/24 22:42	
%Pacayony	Qualifier	Limits				Prepared	Analyzed	Dil Fa
/onecovery								
73		70 - 130				06/28/24 16:15	06/29/24 22:42	1
	<0.00159 <0.00229 **Recovery 103 101 Range Orga Result 30.9 43.6	101	<0.00159 U 0.00200 <0.00229 U 0.00401 *Recovery Qualifier Limits 103 70 - 130 101 70 - 130 Range Organics (DRO) (GC) Result Qualifier RL 30.9 J B 50.4 43.6 J 50.4	<0.00159 U	<0.00159 U	<0.00159 U	<0.00159 U	<0.00159 U

Eurofins Midland

07/02/24 15:23

25.2

1.99 mg/Kg

Released to Imaging: 12/20/2024 9:34:34 AM

Chloride

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 86 Lab Sample ID: 880-45373-31

Date Collected: 06/27/24 09:15

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 99.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	<u></u>	06/28/24 11:07	06/29/24 03:41	1
Toluene	<0.00204	U	0.00204	0.00204	mg/Kg	₽	06/28/24 11:07	06/29/24 03:41	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:07	06/29/24 03:41	1
m-Xylene & p-Xylene	<0.00233	U	0.00407	0.00233	mg/Kg	₩	06/28/24 11:07	06/29/24 03:41	1
o-Xylene	<0.00161	U	0.00204	0.00161	mg/Kg	₽	06/28/24 11:07	06/29/24 03:41	1
Xylenes, Total	<0.00233	U	0.00407	0.00233	mg/Kg	₽	06/28/24 11:07	06/29/24 03:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 03:41	1
1,4-Difluorobenzene (Surr)	102		70 ₋ 130				06/28/24 11:07	06/29/24 03:41	1

Method: SW846 8015B NM - Dies	ei Range Orga	inics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.3	J B	50.3	11.0	mg/Kg	*	06/28/24 16:15	06/29/24 23:03	1
Diesel Range Organics (Over C10-C28)	<15.1	U	50.3	15.1	mg/Kg	₩	06/28/24 16:15	06/29/24 23:03	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/29/24 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/28/24 16:15	06/29/24 23:03	1
o-Terphenyl	86		70 - 130				06/28/24 16:15	06/29/24 23:03	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	9						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	228		4.99	0.394	mg/Kg			07/02/24 15:29	1

 Client Sample ID: CS 101
 Lab Sample ID: 880-45373-32

 Date Collected: 06/27/24 09:17
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 99.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	*	06/28/24 11:07	06/29/24 04:01	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:07	06/29/24 04:01	1
Ethylbenzene	<0.00110	U	0.00203	0.00110	mg/Kg	₽	06/28/24 11:07	06/29/24 04:01	1
m-Xylene & p-Xylene	<0.00232	U	0.00405	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 04:01	1
o-Xylene	<0.00161	U	0.00203	0.00161	mg/Kg	₽	06/28/24 11:07	06/29/24 04:01	1
Xylenes, Total	<0.00232	U	0.00405	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 04:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/28/24 11:07	06/29/24 04:01	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:07	06/29/24 04:01	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	19.1	JB	50.3	11.0	mg/Kg	<u> </u>	06/28/24 16:15	06/29/24 23:23	1	
Diesel Range Organics (Over C10-C28)	19.1	J	50.3	15.1	mg/Kg	₽	06/28/24 16:15	06/29/24 23:23	1	
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/29/24 23:23	1	

Eurofins Midland

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14

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 101

Date Collected: 06/27/24 09:17 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-32

Matrix: Solid

Percent Solids: 99.3

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94	70 - 130	06/28/24 16:15	06/29/24 23:23	1
o-Terphenyl	93	70 - 130	06/28/24 16:15	06/29/24 23:23	1
_					

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride 429 5.05 0.399 mg/Kg 07/02/24 15:47

Client Sample ID: CS 102 Lab Sample ID: 880-45373-33

Date Collected: 06/27/24 09:19 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 97.5

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	*	06/28/24 11:07	06/29/24 04:22	1
Toluene	<0.00205	U	0.00205	0.00205	mg/Kg	₽	06/28/24 11:07	06/29/24 04:22	1
Ethylbenzene	<0.00112	U	0.00205	0.00112	mg/Kg	₩	06/28/24 11:07	06/29/24 04:22	1
m-Xylene & p-Xylene	<0.00235	U	0.00411	0.00235	mg/Kg	₩	06/28/24 11:07	06/29/24 04:22	1
o-Xylene	<0.00163	U	0.00205	0.00163	mg/Kg	₩	06/28/24 11:07	06/29/24 04:22	1
Xylenes, Total	<0.00235	U	0.00411	0.00235	mg/Kg	₽	06/28/24 11:07	06/29/24 04:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 04:22	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:07	06/29/24 04:22	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	12.0	JB	51.0	11.2	mg/Kg	<u> </u>	06/28/24 16:15	06/29/24 23:44	1
Diesel Range Organics (Over C10-C28)	45.2	J	51.0	15.3	mg/Kg	₽	06/28/24 16:15	06/29/24 23:44	1
Oil Range Organics (Over C28-C36)	21.6	J	51.0	12.8	mg/Kg	₽	06/28/24 16:15	06/29/24 23:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	06/28/24 16:15	06/29/24 23:44	1
o-Terphenyl	71		70 - 130	06/28/24 16:15	06/29/24 23:44	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	20100	251	19.8 mg/Kg			07/02/24 15:53	50	

Client Sample ID: CS 103 Lab Sample ID: 880-45373-34 Date Collected: 06/27/24 09:21 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.7

Method: SW846 8021B - Vol	atile Organic Comp	ounas (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg	*	06/28/24 11:07	06/29/24 04:42	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	₽	06/28/24 11:07	06/29/24 04:42	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg	₽	06/28/24 11:07	06/29/24 04:42	1
m-Xylene & p-Xylene	<0.00230	U	0.00402	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 04:42	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	₽	06/28/24 11:07	06/29/24 04:42	1
Xylenes, Total	<0.00230	U	0.00402	0.00230	mg/Kg	₩	06/28/24 11:07	06/29/24 04:42	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 103

Date Collected: 06/27/24 09:21

Date Received: 06/28/24 08:44

1-Chlorooctane

o-Terphenyl

Job ID: 880-45373-1

Lab Sample ID: 880-45373-34 Matrix: Solid

06/30/24 04:14

06/30/24 04:14

06/28/24 16:15

06/28/24 16:15

Percent Solids: 98.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/28/24 11:07	06/29/24 04:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/28/24 11:07	06/29/24 04:42	1

Surrogate	%Recovery	Quaimer	Limits	Prepared	Anaryzea	DII Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/28/24 11:07	06/29/24 04:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/28/24 11:07	06/29/24 04:42	1
_						

Method: SW846 8015B NM - Di	Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	19.3	JB	50.6	11.1	mg/Kg	<u></u>	06/28/24 16:15	06/30/24 04:14	1	
Diesel Range Organics (Over C10-C28)	583		50.6	15.2	mg/Kg	₽	06/28/24 16:15	06/30/24 04:14	1	
Oil Range Organics (Over C28-C36)	373		50.6	12.7	mg/Kg	₽	06/28/24 16:15	06/30/24 04:14	1	
Surrogato	% Pacayary	Qualifier	l imite				Prepared	Analyzed	Dil Eac	

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7700		101	7.96	mg/Kg			07/02/24 15:59	20

70 - 130

70 - 130

19 S1-

19 S1-

Client Sample ID: CS 104 Lab Sample ID: 880-45373-35

Date Collected: 06/27/24 09:23 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg	-	06/28/24 11:07	06/29/24 05:02	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:07	06/29/24 05:02	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg	₩	06/28/24 11:07	06/29/24 05:02	1
m-Xylene & p-Xylene	<0.00231	U	0.00404	0.00231	mg/Kg	₽	06/28/24 11:07	06/29/24 05:02	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₩	06/28/24 11:07	06/29/24 05:02	1
Xylenes, Total	<0.00231	U	0.00404	0.00231	mg/Kg	₩	06/28/24 11:07	06/29/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 05:02	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:07	06/29/24 05:02	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	25.4	JB	50.3	11.0	mg/Kg	≎	06/28/24 16:15	06/30/24 00:25	1
(GRO)-C6-C10									
Diesel Range Organics (Over	52.6		50.3	15.1	mg/Kg	₩	06/28/24 16:15	06/30/24 00:25	1
C10-C28)									
Oil Range Organics (Over	29.5	J	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/30/24 00:25	1
C28-C36)									
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				06/28/24 16:15	06/30/24 00:25	1
o-Terphenyl	96		70 - 130				06/28/24 16:15	06/30/24 00:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble											
	Analyte	Result	Qualifier	RL	MDL	Unit	D)	Prepared	Analyzed	Dil Fac
	Chloride	4100		25.3	1.99	mg/Kg				07/02/24 16:05	5

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 12

Date Collected: 06/27/24 09:25

Date Received: 06/28/24 08:44

o-Terphenyl

Job ID: 880-45373-1

Lab Sample ID: 880-45373-36

06/28/24 16:15 06/30/24 00:45

Matrix: Solid

Percent Solids: 99.3

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	<u></u>	06/28/24 11:07	06/29/24 05:23	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	₩	06/28/24 11:07	06/29/24 05:23	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	₩	06/28/24 11:07	06/29/24 05:23	1
m-Xylene & p-Xylene	<0.00228	U	0.00400	0.00228	mg/Kg	₽	06/28/24 11:07	06/29/24 05:23	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	₽	06/28/24 11:07	06/29/24 05:23	1
Xylenes, Total	<0.00228	U	0.00400	0.00228	mg/Kg	₩	06/28/24 11:07	06/29/24 05:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/28/24 11:07	06/29/24 05:23	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/28/24 11:07	06/29/24 05:23	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.5	JB	50.0	11.0	mg/Kg	*	06/28/24 16:15	06/30/24 00:45	1
Diesel Range Organics (Over C10-C28)	16.7	J	50.0	15.0	mg/Kg	₩	06/28/24 16:15	06/30/24 00:45	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg	₽	06/28/24 16:15	06/30/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/28/24 16:15	06/30/24 00:45	1

Method: EPA 300.0 - Anions, Ion Ch	nromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	783		5.05	0.399	mg/Kg			07/02/24 16:11	1

70 - 130

Client Sample ID: CS 113 Lab Sample ID: 880-45373-37 Date Collected: 06/27/24 09:27 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg	₩	06/28/24 11:07	06/29/24 05:43	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:07	06/29/24 05:43	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg	₽	06/28/24 11:07	06/29/24 05:43	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 05:43	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:07	06/29/24 05:43	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:07	06/29/24 05:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 05:43	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:07	06/29/24 05:43	1

Method: SW846 8015B NM - Diese	Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.2	JB	50.1	11.0	mg/Kg	<u></u>	06/28/24 16:15	06/30/24 01:06	1
Diesel Range Organics (Over C10-C28)	26.2	J	50.1	15.0	mg/Kg	\$	06/28/24 16:15	06/30/24 01:06	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.1	12.6	mg/Kg	₩	06/28/24 16:15	06/30/24 01:06	1

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 113 Lab Sample ID: 880-45373-37

Date Collected: 06/27/24 09:27 Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 99.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130	06/28/24 16:15	06/30/24 01:06	1
o-Terphenyl	80		70 - 130	06/28/24 16:15	06/30/24 01:06	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	821		4.97	0.393	mg/Kg			07/02/24 16:17	1

Lab Sample ID: 880-45373-38 Client Sample ID: CS 114

Date Collected: 06/27/24 09:29 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00203	0.00142	mg/Kg	₽	06/28/24 11:07	06/29/24 06:03	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₽	06/28/24 11:07	06/29/24 06:03	1
Ethylbenzene	<0.00111	U	0.00203	0.00111	mg/Kg	₽	06/28/24 11:07	06/29/24 06:03	1
m-Xylene & p-Xylene	<0.00232	U	0.00407	0.00232	mg/Kg	₽	06/28/24 11:07	06/29/24 06:03	1
o-Xylene	<0.00161	U	0.00203	0.00161	mg/Kg	₽	06/28/24 11:07	06/29/24 06:03	1
Xylenes, Total	<0.00232	U	0.00407	0.00232	mg/Kg	₩	06/28/24 11:07	06/29/24 06:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/28/24 11:07	06/29/24 06:03	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:07	06/29/24 06:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	14.9	JB	50.3	11.0	mg/Kg	<u></u>	06/28/24 16:15	06/30/24 01:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	56.0		50.3	15.1	mg/Kg	₽	06/28/24 16:15	06/30/24 01:26	1
C10-C28)									
Oil Range Organics (Over	31.0	J	50.3	12.6	mg/Kg	₽	06/28/24 16:15	06/30/24 01:26	1
C28-C36)									

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/28/24 16:15	06/30/24 01:26	1
o-Terphenyl	96		70 - 130	06/28/24 16:15	06/30/24 01:26	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1270	5.00	0.395 mg/Kg			07/02/24 16:35	1

Lab Sample ID: 880-45373-39 **Client Sample ID: CS 115** Date Collected: 06/27/24 09:31 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00202	0.00141	mg/Kg	<u></u>	06/28/24 11:07	06/29/24 06:24	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:07	06/29/24 06:24	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg	₽	06/28/24 11:07	06/29/24 06:24	1
m-Xylene & p-Xylene	<0.00231	U	0.00405	0.00231	mg/Kg	₽	06/28/24 11:07	06/29/24 06:24	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:07	06/29/24 06:24	1
Xylenes, Total	<0.00231	U	0.00405	0.00231	mg/Kg	₽	06/28/24 11:07	06/29/24 06:24	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 115

Date Collected: 06/27/24 09:31

Date Received: 06/28/24 08:44

Job ID: 880-45373-1

Lab Sample ID: 880-45373-39

Matrix: Solid

Percent Solids: 99.2

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/28/24 11:07	06/29/24 06:24	
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:07	06/29/24 06:24	
Method: SW846 8015B NM - Die	esel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	19.9	J B	50.4	11.1	mg/Kg	<u></u>	06/28/24 16:15	06/30/24 01:47	
Diesel Range Organics (Over C10-C28)	130		50.4	15.1	mg/Kg	₽	06/28/24 16:15	06/30/24 01:47	
Oil Range Organics (Over C28-C36)	70.6		50.4	12.6	mg/Kg	₽	06/28/24 16:15	06/30/24 01:47	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	98		70 - 130				06/28/24 16:15	06/30/24 01:47	
o-Terphenyl	99		70 - 130				06/28/24 16:15	06/30/24 01:47	
Method: EPA 300.0 - Anions, lo	n Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	7520		49.9	3.94	mg/Kg			07/02/24 16:41	10

Client Sample ID: CS 8 Lab Sample ID: 880-45373-40 Date Collected: 06/27/24 09:33 **Matrix: Solid**

Date Received: 06/28/24 08:44 Percent Solids: 98.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	<u></u>	06/28/24 11:07	06/29/24 06:44	1
Toluene	< 0.00204	U	0.00204	0.00204	mg/Kg	₩	06/28/24 11:07	06/29/24 06:44	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:07	06/29/24 06:44	1
m-Xylene & p-Xylene	<0.00233	U	0.00408	0.00233	mg/Kg	₩	06/28/24 11:07	06/29/24 06:44	1
o-Xylene	< 0.00162	U	0.00204	0.00162	mg/Kg	₩	06/28/24 11:07	06/29/24 06:44	1
Xylenes, Total	<0.00233	U	0.00408	0.00233	mg/Kg	₩	06/28/24 11:07	06/29/24 06:44	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/28/24 11:07	06/29/24 06:44	
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:07	06/29/24 06:44	
Analyte		Qualifier	(GC) RL 50.5	MDL 11.1	Unit mg/Kg	<u>D</u>	Prepared 06/28/24 16:15	Analyzed 06/30/24 02:06	
Method: SW846 8015B NM - Di Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result	Qualifier U J	RL	11.1					
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	Result <11.1 15.2	Qualifier U J	FL 50.5	11.1	mg/Kg	<u></u>	06/28/24 16:15 06/28/24 16:15	06/30/24 02:06 06/30/24 02:06	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result <11.1 15.2 15.5	Qualifier U J	RL 50.5 50.5 50.5	11.1	mg/Kg	<u></u>	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15	06/30/24 02:06 06/30/24 02:06 06/30/24 02:06	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result <11.1 15.2 15.5 %Recovery	Qualifier U J Qualifier	RL 50.5 50.5 50.5	11.1	mg/Kg	<u></u>	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15 Prepared	06/30/24 02:06 06/30/24 02:06 06/30/24 02:06 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result	Qualifier U J Qualifier S1- S1-	RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130	11.1	mg/Kg	<u></u>	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15 Prepared 06/28/24 16:15	06/30/24 02:06 06/30/24 02:06 06/30/24 02:06 Analyzed 06/30/24 02:06	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U J Qualifier S1- S1-	RL 50.5 50.5 50.5 Limits 70 - 130 70 - 130	11.1	mg/Kg mg/Kg mg/Kg	<u></u>	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15 Prepared 06/28/24 16:15	06/30/24 02:06 06/30/24 02:06 06/30/24 02:06 Analyzed 06/30/24 02:06	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

Client Sample ID: CS 10

Date Collected: 06/27/24 09:35 Date Received: 06/28/24 08:44 Lab Sample ID: 880-45373-41

Matrix: Solid

Percent Solids: 98.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U F1 F2	0.00203	0.00141	mg/Kg		06/28/24 11:09	06/29/24 09:48	1
Toluene	<0.00202	U F1 F2	0.00203	0.00202	mg/Kg	₩	06/28/24 11:09	06/29/24 09:48	1
Ethylbenzene	<0.00110	U F1 F2	0.00203	0.00110	mg/Kg	₩	06/28/24 11:09	06/29/24 09:48	1
m-Xylene & p-Xylene	<0.00231	U F1 F2	0.00405	0.00231	mg/Kg	₽	06/28/24 11:09	06/29/24 09:48	1
o-Xylene	<0.00160	U F1 F2	0.00203	0.00160	mg/Kg	₽	06/28/24 11:09	06/29/24 09:48	1
Xylenes, Total	<0.00231	U F1 F2	0.00405	0.00231	mg/Kg	₩	06/28/24 11:09	06/29/24 09:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 09:48	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 09:48	1
Method: SW846 8015B NM - D									
Analyte	Result	Qualifier	RL	MDL 11 1		<u>D</u>	Prepared 06/28/24 16:15	Analyzed 06/30/24 03:12	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10				11.1	mg/Kg	D	06/28/24 16:15	06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier	RL	11.1			<u>.</u>		
Analyte Gasoline Range Organics	Result 21.0	Qualifier		11.1 15.2	mg/Kg	-	06/28/24 16:15	06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	21.0	Qualifier	50.6 50.6	11.1 15.2	mg/Kg	*	06/28/24 16:15 06/28/24 16:15	06/30/24 03:12 06/30/24 03:12	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over	21.0	Qualifier	50.6 50.6	11.1 15.2	mg/Kg	*	06/28/24 16:15 06/28/24 16:15	06/30/24 03:12 06/30/24 03:12	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	Result 21.0 112 58.1	Qualifier J B	50.6 50.6 50.6	11.1 15.2	mg/Kg	*	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result 21.0 112 58.1 %Recovery	Qualifier J B	50.6 50.6 50.6	11.1 15.2	mg/Kg	*	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15 Prepared	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 Analyzed	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 21.0 112 58.1 %Recovery 80 83	Qualifier J B Qualifier	8L 50.6 50.6 50.6 50.6 50.6 50.6 50.6 70 - 130 70 - 130	11.1 15.2	mg/Kg	*	06/28/24 16:15 06/28/24 16:15 06/28/24 16:15 Prepared 06/28/24 16:15	06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 06/30/24 03:12 Analyzed 06/30/24 03:12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Client Sample ID: CS 105 Lab Sample ID: 880-45373-42

101

15900

7.95 mg/Kg

Date Collected: 06/27/24 09:37 Date Received: 06/28/24 08:44

Chloride

Matrix: Solid

07/02/24 17:06

Percent Solids: 98.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg		06/28/24 11:09	06/29/24 10:08	1
Toluene	<0.00204	U	0.00204	0.00204	mg/Kg	₽	06/28/24 11:09	06/29/24 10:08	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:09	06/29/24 10:08	1
m-Xylene & p-Xylene	<0.00233	U	0.00407	0.00233	mg/Kg	₽	06/28/24 11:09	06/29/24 10:08	1
o-Xylene	<0.00161	U	0.00204	0.00161	mg/Kg	₽	06/28/24 11:09	06/29/24 10:08	1
Xylenes, Total	<0.00233	U	0.00407	0.00233	mg/Kg	₽	06/28/24 11:09	06/29/24 10:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 10:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 10:08	1

1,4-Dilluorobenzene (Surr)	102		70 - 130				00/20/24 11.09	00/29/24 10.06	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.7	J B	50.4	11.1	mg/Kg	*	06/28/24 16:15	06/30/24 03:34	1
Diesel Range Organics (Over C10-C28)	118		50.4	15.1	mg/Kg	₽	06/28/24 16:15	06/30/24 03:34	1
Oil Range Organics (Over C28-C36)	60.2		50.4	12.6	mg/Kg	₽	06/28/24 16:15	06/30/24 03:34	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Client Sample ID: CS 105	Lab Sample ID: 880-45373-42
Date Collected: 06/27/24 09:37	Matrix: Solid
Date Received: 06/28/24 08:44	Percent Solids: 98.6

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	_	06/28/24 16:15	06/30/24 03:34	1
o-Terphenyl	100		70 - 130		06/28/24 16:15	06/30/24 03:34	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17900	100	7.92	mg/Kg			07/02/24 17:36	20

Client Sample ID: CS 2 Lab Sample ID: 880-45373-43

Date Collected: 06/27/24 09:39 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	₽	06/28/24 11:09	06/29/24 10:29	1
Toluene	<0.00204	U	0.00204	0.00204	mg/Kg	₽	06/28/24 11:09	06/29/24 10:29	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:09	06/29/24 10:29	1
m-Xylene & p-Xylene	<0.00233	U	0.00408	0.00233	mg/Kg	₽	06/28/24 11:09	06/29/24 10:29	1
o-Xylene	<0.00161	U	0.00204	0.00161	mg/Kg	₽	06/28/24 11:09	06/29/24 10:29	1
Xylenes, Total	<0.00233	U	0.00408	0.00233	mg/Kg	₩	06/28/24 11:09	06/29/24 10:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 10:29	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 10:29	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	13.2	J B	50.3	11.0	mg/Kg	*	06/28/24 16:24	07/01/24 13:01	1
Diesel Range Organics (Over C10-C28)	112		50.3	15.1	mg/Kg	₽	06/28/24 16:24	07/01/24 13:01	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.3	12.6	mg/Kg	₩	06/28/24 16:24	07/01/24 13:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130				06/28/24 16:24	07/01/24 13:01	1
o-Terphenyl	148	S1+	70 ₋ 130				06/28/24 16:24	07/01/24 13:01	1

Method: EPA 300.0 - Anions, Ion C	Chromatography - Soluble							
Analyte	Result Qualifier	RL	MDL (Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7240	49.8	3.93	mg/Kg			07/02/24 17:12	10

Client Sample ID: CS 124 Lab Sample ID: 880-45373-44 Date Collected: 06/27/24 09:41 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

tile Organic Comp	ounds (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00140	U	0.00200	0.00140	mg/Kg	₽	06/28/24 11:09	06/29/24 10:49	1
<0.00200	U	0.00200	0.00200	mg/Kg	₽	06/28/24 11:09	06/29/24 10:49	1
<0.00109	U	0.00200	0.00109	mg/Kg	₽	06/28/24 11:09	06/29/24 10:49	1
<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:09	06/29/24 10:49	1
< 0.00159	U	0.00200	0.00159	mg/Kg	₩	06/28/24 11:09	06/29/24 10:49	1
<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:09	06/29/24 10:49	1
	Result <0.00140 <0.00200 <0.00109 <0.00229 <0.00159	tile Organic Compounds (GC) Result Qualifier <0.00140 U <0.00200 U <0.00109 U <0.00229 U <0.00159 U <0.00229 U	<0.00140 U 0.00200 <0.00200 U 0.00200 <0.00109 U 0.00200 <0.00229 U 0.00401 <0.00159 U 0.00200	Result Qualifier RL MDL <0.00140	Result Qualifier RL MDL Unit <0.00140	Result Qualifier RL MDL Unit D <0.00140	Result Qualifier RL MDL Unit D Prepared <0.00140	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00140

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 124 Lab Sample ID: 880-45373-44

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/28/24 11:09	06/29/24 10:49	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/28/24 11:09	06/29/24 10:49	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	12.4	JB	50.5	11.1	mg/Kg	— <u> </u>	06/28/24 16:24	07/01/24 13:21	
Diesel Range Organics (Over C10-C28)	95.2		50.5	15.1	mg/Kg	₩	06/28/24 16:24	07/01/24 13:21	
Oil Range Organics (Over C28-C36)	<12.6	U	50.5	12.6	mg/Kg	₽	06/28/24 16:24	07/01/24 13:21	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	135	S1+	70 - 130				06/28/24 16:24	07/01/24 13:21	
o-Terphenyl	159	S1+	70 - 130				06/28/24 16:24	07/01/24 13:21	

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	496		4.97	0.393	mg/Kg			07/02/24 17:18	1

Client Sample ID: CS 125 Lab Sample ID: 880-45373-45

Date Collected: 06/27/24 09:43

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 97.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	₩	06/28/24 11:09	06/29/24 11:10	1
Toluene	<0.00205	U	0.00205	0.00205	mg/Kg	₽	06/28/24 11:09	06/29/24 11:10	1
Ethylbenzene	<0.00112	U	0.00205	0.00112	mg/Kg	₽	06/28/24 11:09	06/29/24 11:10	1
m-Xylene & p-Xylene	<0.00234	U	0.00410	0.00234	mg/Kg	₽	06/28/24 11:09	06/29/24 11:10	1
o-Xylene	<0.00162	U	0.00205	0.00162	mg/Kg	₽	06/28/24 11:09	06/29/24 11:10	1
Xylenes, Total	<0.00234	U	0.00410	0.00234	mg/Kg	₩	06/28/24 11:09	06/29/24 11:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/28/24 11:09	06/29/24 11:10	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 11:10	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	12.1	J B	50.6	11.1	mg/Kg	<u></u>	06/28/24 16:24	07/01/24 13:40	1
Diesel Range Organics (Over C10-C28)	760		50.6	15.2	mg/Kg	₩	06/28/24 16:24	07/01/24 13:40	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.6	12.7	mg/Kg	₩	06/28/24 16:24	07/01/24 13:40	1

Method: EPA 300.0 - Anions, Ion Ch	romatograph	y - Soluble							
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4850		50.4	3.98	mg/Kg			07/02/24 17:24	10

70 - 130

70 - 130

141 S1+

172 S1+

Eurofins Midland

07/01/24 13:40

07/01/24 13:40

06/28/24 16:24

06/28/24 16:24

1-Chlorooctane

o-Terphenyl

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 116

Date Collected: 06/27/24 09:45

Date Received: 06/28/24 08:44

o-Terphenyl

Job ID: 880-45373-1

nnlo ID: 000 45272 46

Lab Sample ID: 880-45373-46

06/28/24 16:24 07/01/24 14:00

Matrix: Solid
Percent Solids: 98.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	<u></u>	06/28/24 11:09	06/29/24 11:30	1
Toluene	<0.00204	U	0.00204	0.00204	mg/Kg	₽	06/28/24 11:09	06/29/24 11:30	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₽	06/28/24 11:09	06/29/24 11:30	1
m-Xylene & p-Xylene	<0.00233	U	0.00408	0.00233	mg/Kg	₩	06/28/24 11:09	06/29/24 11:30	1
o-Xylene	<0.00162	U	0.00204	0.00162	mg/Kg	☼	06/28/24 11:09	06/29/24 11:30	1
Xylenes, Total	<0.00233	U	0.00408	0.00233	mg/Kg	₽	06/28/24 11:09	06/29/24 11:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 11:30	1
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 11:30	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	13.1	JB	50.6	11.1	mg/Kg	<u></u>	06/28/24 16:24	07/01/24 14:00	1
Diesel Range Organics (Over C10-C28)	389		50.6	15.2	mg/Kg	₩	06/28/24 16:24	07/01/24 14:00	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.6	12.7	mg/Kg	\$	06/28/24 16:24	07/01/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	131	S1+	70 - 130				06/28/24 16:24	07/01/24 14:00	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble							
Analyte	Result Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17000	99.6	7.87	mg/Kg			07/02/24 17:30	20

70 - 130

155 S1+

Client Sample ID: CS 4 Lab Sample ID: 880-45373-47

 Date Collected: 06/27/24 09:47
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 99.0

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00201	0.00140	mg/Kg	₩	06/28/24 11:09	06/29/24 11:51	1
Toluene	<0.00201	U	0.00201	0.00201	mg/Kg	₽	06/28/24 11:09	06/29/24 11:51	1
Ethylbenzene	<0.00109	U	0.00201	0.00109	mg/Kg	₽	06/28/24 11:09	06/29/24 11:51	1
m-Xylene & p-Xylene	<0.00229	U	0.00401	0.00229	mg/Kg	₩	06/28/24 11:09	06/29/24 11:51	1
o-Xylene	<0.00159	U	0.00201	0.00159	mg/Kg	₽	06/28/24 11:09	06/29/24 11:51	1
Xylenes, Total	<0.00229	U	0.00401	0.00229	mg/Kg	₽	06/28/24 11:09	06/29/24 11:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 11:51	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 11:51	1

Analyte		nics (DRO) (G	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Qualifier		MIDE	UIIIL		Frepareu	Allalyzeu	DII Fac
Gasoline Range Organics	<55.3	U	252	55.3	mg/Kg	₩	06/28/24 16:24	07/01/24 16:24	5
(GRO)-C6-C10									
Diesel Range Organics (Over	4690		252	75.5	mg/Kg	₽	06/28/24 16:24	07/01/24 16:24	5
C10-C28)									
Oil Range Organics (Over C28-C36)	<63.0	U	252	63.0	mg/Kg	₩	06/28/24 16:24	07/01/24 16:24	5

Eurofins Midland

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Client Sample ID: CS 4

Lab Sample ID: 880-45373-47 Date Collected: 06/27/24 09:47

Matrix: Solid

Date Received: 06/28/24 08:44

Percent Solids: 99.0

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130				06/28/24 16:24	07/01/24 16:24	5
o-Terphenyl	167	S1+	70 - 130				06/28/24 16:24	07/01/24 16:24	5
Method: EPA 300.0 - Anions, Ion Cl Analyte	• •	hy - Soluble Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Chloride	2660		25.0	1.98	mg/Kg			07/02/24 10:45	5

Client Sample ID: CS 6 Lab Sample ID: 880-45373-48

Date Collected: 06/27/24 09:49 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00140	U	0.00202	0.00140	mg/Kg		06/28/24 11:09	06/29/24 12:11	1
Toluene	<0.00202	U	0.00202	0.00202	mg/Kg	₽	06/28/24 11:09	06/29/24 12:11	1
Ethylbenzene	<0.00110	U	0.00202	0.00110	mg/Kg	₽	06/28/24 11:09	06/29/24 12:11	1
m-Xylene & p-Xylene	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:09	06/29/24 12:11	1
o-Xylene	<0.00160	U	0.00202	0.00160	mg/Kg	₽	06/28/24 11:09	06/29/24 12:11	1
Xylenes, Total	<0.00230	U	0.00403	0.00230	mg/Kg	₽	06/28/24 11:09	06/29/24 12:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/28/24 11:09	06/29/24 12:11	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/28/24 11:09	06/29/24 12:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	12.8	J B	50.8	11.1	mg/Kg	*	06/28/24 16:24	07/01/24 14:19	1
Diesel Range Organics (Over C10-C28)	186		50.8	15.2	mg/Kg	₽	06/28/24 16:24	07/01/24 14:19	1
Oil Range Organics (Over C28-C36)	<12.7	U	50.8	12.7	mg/Kg	₽	06/28/24 16:24	07/01/24 14:19	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	149	S1+	70 - 130				06/28/24 16:24	07/01/24 14:19	
o-Terphenyl	170	S1+	70 - 130				06/28/24 16:24	07/01/24 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qual	lifier RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	6980	49.7	3.93	mg/Kg			07/02/24 11:04	10

Client Sample ID: CS 126 Lab Sample ID: 880-45373-49 Date Collected: 06/27/24 09:51 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.5

Method: SW846 8021B - Vola	atile Organic Comp	ounds (GC)							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00141	U	0.00203	0.00141	mg/Kg	₩	06/28/24 11:09	06/29/24 12:31	1
Toluene	<0.00203	U	0.00203	0.00203	mg/Kg	₩	06/28/24 11:09	06/29/24 12:31	1
Ethylbenzene	<0.00111	U	0.00203	0.00111	mg/Kg	₽	06/28/24 11:09	06/29/24 12:31	1
m-Xylene & p-Xylene	<0.00232	U	0.00406	0.00232	mg/Kg	₽	06/28/24 11:09	06/29/24 12:31	1
o-Xylene	< 0.00161	U	0.00203	0.00161	mg/Kg	₩	06/28/24 11:09	06/29/24 12:31	1
Xylenes, Total	<0.00232	U	0.00406	0.00232	mg/Kg	₩	06/28/24 11:09	06/29/24 12:31	1

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 126

Date Collected: 06/27/24 09:51 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-49

Matrix: Solid

Percent Solids: 98.5

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/28/24 11:09	06/29/24 12:31	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 12:31	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	21.6	JB	50.5	11.1	mg/Kg	-	06/28/24 16:24	07/01/24 14:38	1
Diesel Range Organics (Over C10-C28)	87.2		50.5	15.2	mg/Kg	₽	06/28/24 16:24	07/01/24 14:38	1
Oil Range Organics (Over C28-C36)	<12.6	U	50.5	12.6	mg/Kg	\$	06/28/24 16:24	07/01/24 14:38	•
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1-Chlorooctane	144	S1+	70 - 130				06/28/24 16:24	07/01/24 14:38	1
o-Terphenyl	161	S1+	70 - 130				06/28/24 16:24	07/01/24 14:38	1
- Method: EPA 300.0 - Anions, Ion	Chromatogran	hv - Solub	le						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4110		49.7	3.93	ma/Ka			07/02/24 11:11	10

Client Sample ID: CS 131 Lab Sample ID: 880-45373-50

Date Collected: 06/27/24 09:53

Date Received: 06/28/24 08:44

Matrix: Solid Percent Solids: 99.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg	₽	06/28/24 11:09	06/29/24 12:52	
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg	₽	06/28/24 11:09	06/29/24 12:52	
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg	₽	06/28/24 11:09	06/29/24 12:52	
m-Xylene & p-Xylene	<0.00228	U	0.00399	0.00228	mg/Kg	₩	06/28/24 11:09	06/29/24 12:52	
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg	☼	06/28/24 11:09	06/29/24 12:52	
Xylenes, Total	<0.00228	U	0.00399	0.00228	mg/Kg	₽	06/28/24 11:09	06/29/24 12:52	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	103		70 - 130				06/28/24 11:09	06/29/24 12:52	
1,4-Difluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 12:52	
Method: SW846 8015B NM - Dies				MDI	Unit	n	Prenared	Analyzed	Dil F:
Markarda OMO 40 0045D NM - Disc		! (DDO)	(00)						
Analyte	Result	Qualifier	RL	MDL		<u>D</u>	Prepared 10:04	Analyzed	Dil Fa
Analyte Gasoline Range Organics		Qualifier		MDL 55.0	Unit mg/Kg	<u>D</u>	Prepared 06/28/24 16:24	Analyzed 07/01/24 16:43	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 96.1	Qualifier		55.0	mg/Kg	*	06/28/24 16:24	07/01/24 16:43	
Analyte Gasoline Range Organics	Result	Qualifier	RL				<u>.</u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 96.1	Qualifier J B		55.0	mg/Kg	*	06/28/24 16:24	07/01/24 16:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	96.1 3660	Qualifier J B	250 250	55.0 75.1	mg/Kg	— —	06/28/24 16:24 06/28/24 16:24	07/01/24 16:43 07/01/24 16:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36)	96.1 3660 <62.7	Qualifier J B	250 250 250	55.0 75.1	mg/Kg	— —	06/28/24 16:24 06/28/24 16:24 06/28/24 16:24	07/01/24 16:43 07/01/24 16:43 07/01/24 16:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate	Result 96.1 3660 <62.7 %Recovery	Qualifier J B U Qualifier	250 250 250 250 <i>Limits</i>	55.0 75.1	mg/Kg	— —	06/28/24 16:24 06/28/24 16:24 06/28/24 16:24 Prepared	07/01/24 16:43 07/01/24 16:43 07/01/24 16:43 Analyzed	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result 96.1 3660 <62.7 %Recovery 159 184	Qualifier U Qualifier S1+ S1+	250 250 250 250 Limits 70 - 130 70 - 130	55.0 75.1	mg/Kg	— —	06/28/24 16:24 06/28/24 16:24 06/28/24 16:24 Prepared 06/28/24 16:24	07/01/24 16:43 07/01/24 16:43 07/01/24 16:43 Analyzed 07/01/24 16:43	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oil Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result 96.1 3660 <62.7 %Recovery 159 184 Chromatograp	Qualifier U Qualifier S1+ S1+	250 250 250 250 Limits 70 - 130 70 - 130	55.0 75.1	mg/Kg mg/Kg mg/Kg	— —	06/28/24 16:24 06/28/24 16:24 06/28/24 16:24 Prepared 06/28/24 16:24	07/01/24 16:43 07/01/24 16:43 07/01/24 16:43 Analyzed 07/01/24 16:43	Dil Fa

Client: Civil & Environmental Consultants Inc

Job ID: 880-45373-1

Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: F031H-14A

Lab Sample

Lab Sample ID: 880-45373-51

Date Collected: 06/27/24 11:54

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 89.8

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00157	U	0.00225	0.00157	mg/Kg	<u></u>	06/28/24 11:09	06/29/24 14:15	
Toluene	<0.00225	U	0.00225	0.00225	mg/Kg	₽	06/28/24 11:09	06/29/24 14:15	
Ethylbenzene	<0.00122	U	0.00225	0.00122	mg/Kg	₽	06/28/24 11:09	06/29/24 14:15	
m-Xylene & p-Xylene	<0.00257	U	0.00450	0.00257	mg/Kg	₽	06/28/24 11:09	06/29/24 14:15	
o-Xylene	<0.00178	U	0.00225	0.00178	mg/Kg	₽	06/28/24 11:09	06/29/24 14:15	
Xylenes, Total	<0.00257	U	0.00450	0.00257	mg/Kg	₩	06/28/24 11:09	06/29/24 14:15	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 14:15	
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 14:15	

1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 14:15	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<12.2	U	55.3	12.2	mg/Kg	<u></u>	06/28/24 16:24	07/01/24 14:58	1
Diesel Range Organics (Over C10-C28)	76.4		55.3	16.6	mg/Kg	₩	06/28/24 16:24	07/01/24 14:58	1
Oil Range Organics (Over C28-C36)	<13.9	U	55.3	13.9	mg/Kg	₽	06/28/24 16:24	07/01/24 14:58	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				06/28/24 16:24	07/01/24 14:58	1
o-Terphenyl	167	S1+	70 - 130				06/28/24 16:24	07/01/24 14:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	55.8		4.98	0.393	mg/Kg			07/02/24 11:24	1

 Client Sample ID: F031H-12A
 Lab Sample ID: 880-45373-52

 Date Collected: 06/27/24 11:59
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 94.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00149	U	0.00214	0.00149	mg/Kg	*	06/28/24 11:09	06/29/24 14:36	1
Toluene	<0.00214	U	0.00214	0.00214	mg/Kg	₽	06/28/24 11:09	06/29/24 14:36	1
Ethylbenzene	<0.00116	U	0.00214	0.00116	mg/Kg	₽	06/28/24 11:09	06/29/24 14:36	1
m-Xylene & p-Xylene	<0.00244	U	0.00427	0.00244	mg/Kg	₽	06/28/24 11:09	06/29/24 14:36	1
o-Xylene	<0.00169	U	0.00214	0.00169	mg/Kg	₽	06/28/24 11:09	06/29/24 14:36	1
Xylenes, Total	<0.00244	U	0.00427	0.00244	mg/Kg	₩	06/28/24 11:09	06/29/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 14:36	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/28/24 11:09	06/29/24 14:36	1

Method: SW846 8015B NM - Diesel	Range Orga	nics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	28.3	J	53.0	11.6	mg/Kg	<u> </u>	06/28/24 16:46	06/29/24 21:16	1
Diesel Range Organics (Over C10-C28)	<15.9	U	53.0	15.9	mg/Kg	₽	06/28/24 16:46	06/29/24 21:16	1
Oil Range Organics (Over C28-C36)	<13.3	U	53.0	13.3	mg/Kg	₽	06/28/24 16:46	06/29/24 21:16	1

Eurofins Midland

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Client Sample ID: F031H-12A Lab Sam
Date Collected: 06/27/24 11:59

Lab Sample ID: 880-45373-52 Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 94.2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	06/28/24 16:4	06/29/24 21:16	1
o-Terphenyl	97		70 - 130	06/28/24 16:4	06/29/24 21:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	204		5.05	0.399	mg/Kg			07/02/24 11:44	1

Client Sample ID: F031H-11A Lab Sample ID: 880-45373-53

Date Collected: 06/27/24 12:04
Date Received: 06/28/24 08:44
Percent Solids: 92.8

Method: SW846 8021B - Volati	le Organic Comp	ounds (GC))						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00150	U	0.00216	0.00150	mg/Kg	₩	06/28/24 11:09	06/29/24 14:56	1
Toluene	<0.00216	U	0.00216	0.00216	mg/Kg	₩	06/28/24 11:09	06/29/24 14:56	1
Ethylbenzene	<0.00118	U	0.00216	0.00118	mg/Kg	₩	06/28/24 11:09	06/29/24 14:56	1
m-Xylene & p-Xylene	<0.00247	U	0.00432	0.00247	mg/Kg	₽	06/28/24 11:09	06/29/24 14:56	1
o-Xylene	<0.00171	U	0.00216	0.00171	mg/Kg	₩	06/28/24 11:09	06/29/24 14:56	1
Xylenes, Total	<0.00247	U	0.00432	0.00247	mg/Kg	₩	06/28/24 11:09	06/29/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				06/28/24 11:09	06/29/24 14:56	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/28/24 11:09	06/29/24 14:56	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	37.9	J	53.7	11.8	mg/Kg	— <u> </u>	06/28/24 16:46	06/29/24 21:35	1
Diesel Range Organics (Over C10-C28)	18.3	J	53.7	16.1	mg/Kg	₩	06/28/24 16:46	06/29/24 21:35	1
Oil Range Organics (Over C28-C36)	<13.4	U	53.7	13.4	mg/Kg	₽	06/28/24 16:46	06/29/24 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/28/24 16:46	06/29/24 21:35	1
o-Terphenyl	108		70 - 130				06/28/24 16:46	06/29/24 21:35	1

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	178	4.99	0.394 mg/Kg			07/02/24 11:50	1

 Client Sample ID: F031H-3A
 Lab Sample ID: 880-45373-54

 Date Collected: 06/27/24 12:09
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 81.9

tile Organic Comp	ounds (GC)							
Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00169	U	0.00242	0.00169	mg/Kg	₽	06/28/24 11:09	06/29/24 15:17	1
<0.00242	U	0.00242	0.00242	mg/Kg	₩	06/28/24 11:09	06/29/24 15:17	1
< 0.00132	U	0.00242	0.00132	mg/Kg	₩	06/28/24 11:09	06/29/24 15:17	1
<0.00277	U	0.00485	0.00277	mg/Kg	₩	06/28/24 11:09	06/29/24 15:17	1
< 0.00192	U	0.00242	0.00192	mg/Kg	₩	06/28/24 11:09	06/29/24 15:17	1
<0.00277	U	0.00485	0.00277	mg/Kg	₩	06/28/24 11:09	06/29/24 15:17	1
	Result <0.00169 <0.00242 <0.00132 <0.00277 <0.00192	Result Qualifier Compounds (GC) Result Qualifier Compounds Compo	<0.00169 U 0.00242 <0.00242 U 0.00242 <0.00132 U 0.00242 <0.00277 U 0.00485 <0.00192 U 0.00242	Result Qualifier RL MDL <0.00169	Result Qualifier RL MDL Unit <0.00169	Result Qualifier RL MDL Unit D <0.00169	Result Qualifier RL MDL Unit D Prepared <0.00169	Result Qualifier RL MDL Unit D Prepared Analyzed <0.00169

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/E/2024

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: F031H-3A

Date Collected: 06/27/24 12:09

Job ID: 880-45373-1

Lab Sample ID: 880-45373-54

Matrix: Solid

Date Received: 06/28/24 08:44						Percent Solid	ls: 81.9
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	<u></u>	06/28/24 11:09	06/29/24 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/28/24 11:09	06/29/24 15:17	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/28/24 11:09	06/29/24 15:17	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	45.6	J	60.7	13.3	mg/Kg	<u></u>	06/28/24 16:46	06/29/24 21:54	
Diesel Range Organics (Over C10-C28)	<18.2	U	60.7	18.2	mg/Kg	₩	06/28/24 16:46	06/29/24 21:54	,
Oil Range Organics (Over C28-C36)	<15.2	U	60.7	15.2	mg/Kg	₩	06/28/24 16:46	06/29/24 21:54	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/28/24 16:46	06/29/24 21:54	1
o-Terphenyl	107		70 ₋ 130				06/28/24 16:46	06/29/24 21:54	1

	Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	152		4.95	0.391	mg/Kg			07/02/24 11:56	1

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

Matrix: Solid				Prep Type: Total/NA
_				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-45373-1	CS 20	89	88	
880-45373-1 MS	CS 20	129	112	
880-45373-1 MSD	CS 20	105	98	
880-45373-2	CS 27	72	91	
880-45373-3	CS 25	72	92	
880-45373-4	CS 34	83	91	
880-45373-5	CS 35	104	78	
880-45373-6	CS 33	97	77	
880-45373-7	CS 36	97	89	
880-45373-8	CS 38	94	81	
880-45373-9	CS 47	93	80	
880-45373-10	CS 48	86	85	
880-45373-11	CS 45	80	91	
880-45373-12	CS 49	99	81	
880-45373-13	CS 58	105	92	
880-45373-14	CS 59	96	86	
880-45373-15	CS 60	99	85	
880-45373-16	CS 57	84	88	
880-45373-17	CS 61	89	84	
880-45373-18	CS 16	90	77	
880-45373-19	CS 76	95	80	
880-45373-20	CS 71	82	79	
880-45373-21	CS 72	102	106	
880-45373-21 MS	CS 72	100	101	
880-45373-21 MSD	CS 72	98	102	
880-45373-22	CS 73	101	103	
880-45373-23	CS 69	106	102	
880-45373-24	CS 14	102	101	
880-45373-25	CS 88	101	101	
880-45373-26	CS 89	99	101	
880-45373-27	CS 99	106	103	
880-45373-28	CS 90	106	100	
880-45373-29				
	CS 1	104	102	
880-45373-30		103	101	
880-45373-31	CS 86	103 104	102	
880-45373-32	CS 101		102	
880-45373-33	CS 102	103	101	
880-45373-34	CS 103	101	103	
880-45373-35	CS 104	103	101	
880-45373-36	CS 12	105	100	
880-45373-37	CS 113	103	102	
880-45373-38	CS 114	105	102	
880-45373-39	CS 115	106	102	
880-45373-40	CS 8	106	103	
880-45373-41	CS 10	103	103	
880-45373-41 MS	CS 10	102	101	
880-45373-41 MSD	CS 10	102	100	
880-45373-42	CS 105	102	102	
880-45373-43	CS 2	103	101	

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-45373-44	CS 124	102	101	
880-45373-45	CS 125	104	102	
880-45373-46	CS 116	103	102	
880-45373-47	CS 4	101	103	
380-45373-48	CS 6	108	100	
880-45373-49	CS 126	104	101	
880-45373-50	CS 131	103	102	
880-45373-51	F031H-14A	102	101	
880-45373-52	F031H-12A	101	100	
880-45373-53	F031H-11A	102	101	
880-45373-54	F031H-3A	103	101	
_CS 880-84489/1-A	Lab Control Sample	96	107	
_CS 880-84494/1-A	Lab Control Sample	98	99	
_CS 880-84495/1-A	Lab Control Sample	97	99	
_CSD 880-84489/2-A	Lab Control Sample Dup	124	114	
LCSD 880-84494/2-A	Lab Control Sample Dup	98	99	
_CSD 880-84495/2-A	Lab Control Sample Dup	99	99	
MB 880-84459/5-A	Method Blank	103	99	
MB 880-84468/5-A	Method Blank	72	91	
MB 880-84489/5-A	Method Blank	74	93	
MB 880-84494/5-A	Method Blank	99	97	
MB 880-84495/5-A	Method Blank	103	98	

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 L
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
380-45373-1	CS 20	128	134 S1+	
80-45373-2	CS 27	126	129	
880-45373-3	CS 25	92	100	
80-45373-3 MS	CS 25	83	81	
80-45373-3 MSD	CS 25	87	86	
880-45373-4	CS 34	96	104	
880-45373-5	CS 35	104	108	
880-45373-6	CS 33	84	93	
80-45373-7	CS 36	103	108	
80-45373-8	CS 38	97	104	
880-45373-9	CS 47	107	113	
80-45373-10	CS 48	99	105	
880-45373-11	CS 45	98	105	
80-45373-12	CS 49	106	107	
80-45373-13	CS 58	91	102	
80-45373-14	CS 59	106	118	
80-45373-15	CS 60	17 S1-	18 S1-	
380-45373-16	CS 57	100	106	

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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

Matrix: Solid Prep Type: Total/NA

		1CO1	ОТРН1	Percent Surrogate Recovery (Acceptance Limits)
Lab Canada ID	Olient Committee ID	1001 (70-130)		
Lab Sample ID 880-45373-17	Client Sample ID CS 61	87	(70-130) 93	
880-45373-18	CS 16	90	98	
880-45373-19	CS 76	12 S1-	12 S1-	
880-45373-19	CS 70	121	115	
880-45373-21	CS 72	10 S1-	10 S1-	
880-45373-22	CS 73	79	83	
880-45373-23	CS 69	97	100	
880-45373-23 MS	CS 69	74	68 S1-	
880-45373-23 MSD	CS 69	74 75	69 S1-	
880-45373-24	CS 14	71	75	
880-45373-25	CS 88	7 T	75 79	
880-45373-26	CS 89	75 10 S1-	12 S1-	
880-45373-27	CS 90	76	80	
880-45373-28	CS 91	92	97	
880-45373-29	CS 1	78	85	
880-45373-30	CS 74	73	77	
880-45373-31	CS 86	87	86	
880-45373-32	CS 101	94	93	
880-45373-33	CS 102	69 S1-	71	
880-45373-34	CS 103	19 S1-	19 S1-	
880-45373-35	CS 104	93	96	
880-45373-36	CS 12	81	82	
880-45373-37	CS 113	78	80	
380-45373-38	CS 114	95	96	
880-45373-39	CS 115	98	99	
880-45373-40	CS 8	6 S1-	8 S1-	
880-45373-41	CS 10	80	83	
880-45373-42	CS 105	97	100	
380-45373-43	CS 2	136 S1+	148 S1+	
880-45373-44	CS 124	135 S1+	159 S1+	
880-45373-45	CS 125	141 S1+	172 S1+	
880-45373-46	CS 116	131 S1+	155 S1+	
880-45373-47	CS 4	145 S1+	167 S1+	
880-45373-48	CS 6	149 S1+	170 S1+	
880-45373-49	CS 126	144 S1+	161 S1+	
880-45373-50	CS 131	159 S1+	184 S1+	
880-45373-51	F031H-14A	137 S1+	167 S1+	
880-45373-52	F031H-12A	87	97	
880-45373-53	F031H-11A	96	108	
880-45373-54	F031H-3A	96	107	
LCS 880-84585/2-A	Lab Control Sample	108	115	
LCS 880-84587/2-A	Lab Control Sample	108	113	
LCS 880-84589/2-A	Lab Control Sample	92	88	
LCS 880-84594/2-A	Lab Control Sample	144 S1+	157 S1+	
LCS 880-84599/2-A	Lab Control Sample	114	120	
LCSD 880-84585/3-A	Lab Control Sample Dup	98	104	
LCSD 880-84587/3-A	Lab Control Sample Dup	125	129	
LCSD 880-84589/3-A	Lab Control Sample Dup	126	122	
_CSD 880-84594/3-A	Lab Control Sample Dup	117	126	
LCSD 880-84599/3-A	Lab Control Sample Dup	102	108	

OTPH = o-Terphenyl

Surrogate Summary

Client: Civil & Environmental Consultants Inc
Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

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

Matrix: Solid Prep Type: Total/NA

		Per	cent Surrogate Recovery (Acceptance Limits)
	1CO1	ОТРН1	
Client Sample ID	(70-130)	(70-130)	
Method Blank	217 S1+	247 S1+	
Method Blank	154 S1+	178 S1+	
Method Blank	169 S1+	178 S1+	
Method Blank	214 S1+	266 S1+	
Method Blank	246 S1+	270 S1+	
	Method Blank Method Blank Method Blank Method Blank	Client Sample ID (70-130) Method Blank 217 S1+ Method Blank 154 S1+ Method Blank 169 S1+ Method Blank 214 S1+	Client Sample ID (70-130) (70-130) Method Blank 217 S1+ 247 S1+ Method Blank 154 S1+ 178 S1+ Method Blank 169 S1+ 178 S1+ Method Blank 214 S1+ 266 S1+

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-84459/5-A

Matrix: Solid Analysis Batch: 84457 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84459

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/28/24 09:49	06/28/24 11:36	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/28/24 09:49	06/28/24 11:36	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/28/24 09:49	06/28/24 11:36	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 09:49	06/28/24 11:36	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/28/24 09:49	06/28/24 11:36	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 09:49	06/28/24 11:36	1

MB MB

MD MD

Surrogate	%Recovery Qualifier	Limits	F	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103	70 - 130	06/2	28/24 09:49	06/28/24 11:36	1
1,4-Difluorobenzene (Surr)	99	70 - 130	06/2	28/24 09:49	06/28/24 11:36	1

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

Prep Batch: 84468

Matrix: Solid

Analysis Batch: 84451

Lab Sample ID: MB 880-84468/5-A

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
Ethylbenzene	< 0.00109	U	0.00200	0.00109	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/28/24 10:09	06/28/24 22:10	1
Xylenes, Total	< 0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 10:09	06/28/24 22:10	1

мв мв

MD MD

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130	06/28/24 10:09	06/28/24 22:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/28/24 10:09	06/28/24 22:10	1

Lab Sample ID: MB 880-84489/5-A

Matrix: Solid

Analysis Batch: 84451

Client	Sample	ID:	Meth	od Bla	nk
	D.		F	Total/N	LA

Prep Type: Total/NA Prep Batch: 84489

	IVID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/28/24 11:05	06/29/24 08:51	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/28/24 11:05	06/29/24 08:51	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/28/24 11:05	06/29/24 08:51	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 11:05	06/29/24 08:51	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/28/24 11:05	06/29/24 08:51	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 11:05	06/29/24 08:51	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	74		70 - 130	06/28/24 11:05	06/29/24 08:51	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/28/24 11:05	06/29/24 08:51	1

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

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

Lab Sample ID: LCS 880-84489/1-A

Analysis Batch: 84451

Matrix: Solid

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 84489

Spike LCS LCS Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1159 mg/Kg 116 70 - 130 Toluene 0.100 0.1072 mg/Kg 107 70 - 130 Ethylbenzene 0.100 0.1166 70 - 130 mg/Kg 117 m-Xylene & p-Xylene 0.200 0.2232 mg/Kg 112 70 - 130 o-Xylene 0.100 0.1025 mg/Kg 103 70 - 130

Spike

Added

0.100

0.100

0.100

0.200

0.100

70 - 130

LCSD LCSD

0.1234

0.1108

0.2541

0.1239

0.1390 *+

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

%Rec

111

139

127

124

LCS LCS

%Recovery Qualifier Limits Surrogate 70 - 130 4-Bromofluorobenzene (Surr) 96 1,4-Difluorobenzene (Surr) 107 70 - 130

Lab Sample ID: LCSD 880-84489/2-A

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 84451

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 84489

17

13

19

35

35

35

RPD %Rec Limit Limits RPD 123 70 - 130 6 35 70 - 130 3 35

LCSD LCSD Qualifier Limits Surrogate %Recovery 4-Bromofluorobenzene (Surr) 124 70 - 130

Lab Sample ID: 880-45373-1 MS

Matrix: Solid

Matrix: Solid

Analysis Batch: 84451

Analysis Batch: 84451

1,4-Difluorobenzene (Surr)

Client Sample ID: CS 20 Prep Type: Total/NA

Prep Batch: 84489

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00141	U F1 F2	0.102	0.09679	-	mg/Kg	₩	95	70 - 130	
Toluene	<0.00203	U F1	0.102	0.08117		mg/Kg	₽	80	70 - 130	
Ethylbenzene	<0.00111	U *+ F1	0.102	0.07481		mg/Kg	₽	74	70 - 130	
m-Xylene & p-Xylene	<0.00232	U F1	0.203	0.1494		mg/Kg	₽	74	70 - 130	
o-Xylene	<0.00161	U F1 F2	0.102	0.08998		mg/Kg	₽	89	70 - 130	

MS MS

114

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	129		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Client Sample ID: CS 20

Prep Type: Total/NA Prep Batch: 84489

MSD MSD RPD Sample Sample Spike %Rec Limit Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Benzene <0.00141 U F1 F2 0.103 0.05313 F1 F2 ₽ 58 35 mg/Kg 52 70 - 130 Toluene <0.00203 UF1 0.103 0.05815 F1 mg/Kg 57 70 - 130 33 35 Ö Ethylbenzene <0.00111 U*+F1 0.103 0.06762 F1 mg/Kg ₽ 66 70 - 130 10 35

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Page 47 of 102

Lab Sample ID: 880-45373-1 MSD

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

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

Lab Sample ID: 880-45373-1 MSD **Matrix: Solid**

Analysis Batch: 84451

Client Sample ID: CS 20

Prep Type: Total/NA Prep Batch: 84489

Sample Sample Spike MSD MSD %Rec **RPD** Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits **RPD** Limit 0.1151 F1 <0.00232 U F1 0.206 56 70 - 130 26 35 m-Xylene & p-Xylene mg/Kg Ü o-Xylene <0.00161 U F1 F2 0.103 0.05768 F1 F2 mg/Kg 56 70 - 130 44 35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84494

Lab Sample ID: MB 880-84494/5-A **Matrix: Solid**

Analysis Batch: 84457

мв мв

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.00139 0.00200 0.00139 mg/Kg 06/28/24 11:07 06/28/24 22:53 Toluene <0.00200 U 0.00200 0.00200 mg/Kg 06/28/24 11:07 06/28/24 22:53 06/28/24 22:53 Ethylbenzene <0.00109 U 0.00200 0.00109 mg/Kg 06/28/24 11:07 m-Xylene & p-Xylene <0.00229 U 0.00400 0.00229 06/28/24 11:07 06/28/24 22:53 mg/Kg 0.00200 06/28/24 22:53 o-Xylene <0.00158 U 0.00158 mg/Kg 06/28/24 11:07 0.00229 mg/Kg Xylenes, Total <0.00229 U 0.00400 06/28/24 11:07 06/28/24 22:53

MR MR

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99	70 - 130	06/28/24 11:07	06/28/24 22:53	1
1,4-Difluorobenzene (Surr)	97	70 - 130	06/28/24 11:07	06/28/24 22:53	1

Lab Sample ID: LCS 880-84494/1-A

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 84494

%Rec
lifier Unit D %Rec Limits
mg/Kg 99 70 - 130
mg/Kg 93 70 ₋ 130
mg/Kg 97 70 - 130
mg/Kg 94 70 ₋ 130
mg/Kg 96 70 - 130

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Lab Sample ID: LCSD 880-84494/2-A

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84494

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09834		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.09206		mg/Kg		92	70 - 130	1	35
Ethylbenzene	0.100	0.09602		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1856		mg/Kg		93	70 - 130	1	35
o-Xylene	0.100	0.09446		mg/Kg		94	70 - 130	1	35

Eurofins Midland

Released to Imaging: 12/20/2024 9:34:34 AM

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-45373-21 MS

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: CS 72 Prep Type: Total/NA

Prep Batch: 84494

Sample Sample Spike MS MS %Rec Result Qualifier Added Analyte Result Qualifier Unit %Rec Limits Benzene <0.00142 U 0.102 0.08211 ₩ 81 70 - 130 mg/Kg Toluene <0.00204 UF1 0.102 0.06374 F1 70 - 130 mg/Kg ₩ 63 Ethylbenzene <0.00111 UF1 0.102 0.05211 F1 mg/Kg ₩ 51 70 - 130 m-Xylene & p-Xylene <0.00233 UF1 0.204 0.09828 F1 mg/Kg Ö 48 70 - 130 0.102 o-Xylene <0.00161 UF1 0.04913 F1 mg/Kg 48 70 - 130

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 880-45373-21 MSD

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: CS 72 Prep Type: Total/NA

Prep Batch: 84494

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00142	U	0.103	0.08784		mg/Kg	<u></u>	85	70 - 130	7	35
Toluene	<0.00204	U F1	0.103	0.07258		mg/Kg	₩	70	70 - 130	13	35
Ethylbenzene	<0.00111	U F1	0.103	0.06518	F1	mg/Kg	₩	63	70 - 130	22	35
m-Xylene & p-Xylene	<0.00233	U F1	0.206	0.1224	F1	mg/Kg	₩	59	70 - 130	22	35
o-Xylene	<0.00161	U F1	0.103	0.05922	F1	mg/Kg	₩	57	70 - 130	19	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	98	70 - 130
1,4-Difluorobenzene (Surr)	102	70 - 130

Lab Sample ID: MB 880-84495/5-A

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84495

	МВ	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		06/28/24 11:09	06/29/24 09:26	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		06/28/24 11:09	06/29/24 09:26	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		06/28/24 11:09	06/29/24 09:26	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 11:09	06/29/24 09:26	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		06/28/24 11:09	06/29/24 09:26	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		06/28/24 11:09	06/29/24 09:26	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/28/24 11:09	06/29/24 09:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/28/24 11:09	06/29/24 09:26	1

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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

Lab Sample ID: LCS 880-84495/1-A

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 84495

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09639		mg/Kg		96	70 - 130	
Toluene	0.100	0.08888		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.09185		mg/Kg		92	70 - 130	
m-Xylene & p-Xylene	0.200	0.1781		mg/Kg		89	70 - 130	
o-Xylene	0.100	0.09111		mg/Kg		91	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	97	70 - 130
1,4-Difluorobenzene (Surr)	99	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84495

Analysis Batch: 84457

Matrix: Solid

Lab Sample ID: LCSD 880-84495/2-A

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09692		mg/Kg		97	70 - 130	1	35
Toluene	0.100	0.09014		mg/Kg		90	70 - 130	1	35
Ethylbenzene	0.100	0.09338		mg/Kg		93	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1802		mg/Kg		90	70 - 130	1	35
o-Xylene	0.100	0.09268		mg/Kg		93	70 - 130	2	35

LCSD LCSD

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

Lab Sample ID: 880-45373-41 MS

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: CS 10 Prep Type: Total/NA

Prep Batch: 84495

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00141	U F1 F2	0.101	0.05152	F1	mg/Kg	₩	51	70 - 130	
Toluene	<0.00202	U F1 F2	0.101	0.04623	F1	mg/Kg	₽	46	70 - 130	
Ethylbenzene	<0.00110	U F1 F2	0.101	0.04559	F1	mg/Kg	₽	45	70 - 130	
m-Xylene & p-Xylene	<0.00231	U F1 F2	0.203	0.08856	F1	mg/Kg	₽	44	70 - 130	
o-Xylene	<0.00160	U F1 F2	0.101	0.04666	F1	mg/Kg	₽	46	70 - 130	

MS MS

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	102	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130

Lab Sample ID: 880-45373-41 MSD

Matrix: Solid

Analysis Batch: 84457

Client Sample ID: CS 10	
Prep Type: Total/NA	

Prep Batch: 84495

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00141	U F1 F2	0.102	0.09433	F2	mg/Kg		92	70 - 130	59	35
Toluene	<0.00202	U F1 F2	0.102	0.08277	F2	mg/Kg	₽	81	70 - 130	57	35
Ethylbenzene	<0.00110	U F1 F2	0.102	0.08057	F2	mg/Kg	₩	79	70 - 130	55	35

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Page 50 of 102

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

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

Lab Sample ID: 880-45373-41 MSD **Matrix: Solid**

Analysis Batch: 84457

Client Sample ID: CS 10 Prep Type: Total/NA

Prep Batch: 84495

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
m-Xylene & p-Xylene	<0.00231	U F1 F2	0.205	0.1527	F2	mg/Kg	*	74	70 - 130	53	35
o-Xylene	<0.00160	U F1 F2	0.102	0.07635	F2	mg/Kg	₩	74	70 - 130	48	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-84585/1-A

Matrix: Solid

Analysis Batch: 84626

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 84585

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	13.97	J	50.0	11.0	mg/Kg	<u></u>	06/28/24 16:08	06/29/24 08:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/28/24 16:08	06/29/24 08:16	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		06/28/24 16:08	06/29/24 08:16	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	217	S1+	70 - 130	06/28/24 16:08	06/29/24 08:16	1
o-Terphenyl	247	S1+	70 - 130	06/28/24 16:08	06/29/24 08:16	1

Lab Sample ID: LCS 880-84585/2-A

Matrix: Solid

Analysis Batch: 84626

					_	
Client	Sample	ID:	Lab	Control	Samp	le

Prep Type: Total/NA

Prep Batch: 84585

	Spike	LCS	LUS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	875.7		mg/Kg		88	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	938.8		mg/Kg		94	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qualifie	r Limits
1-Chlorooctane	108	70 - 130
o-Terphenyl	115	70 - 130

Lab Sample ID: LCSD 880-84585/3-A

Matrix: Solid

Analysis Batch: 84626

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

Prep Batch: 84585

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	754.3		mg/Kg		75	70 - 130	15	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	813.5		mg/Kg		81	70 - 130	14	20
C10-C28)									

Job ID: 880-45373-1

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

Lab Sample ID: LCSD 880-84585/3-A

Matrix: Solid

Analysis Batch: 84626

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84585

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 98 70 - 130 o-Terphenyl 104 70 - 130

Lab Sample ID: MB 880-84587/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 84622 Prep Batch: 84587

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac 15.53 J 50.0 11.0 06/28/24 16:11 06/29/24 18:57 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 50.0 06/28/24 16:11 06/29/24 18:57 mg/Kg 15.0 C10-C28) Oil Range Organics (Over C28-C36) <12.5 U 50.0 12.5 mg/Kg 06/28/24 16:11 06/29/24 18:57

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	154	S1+	70 - 130	06/28/24 16:11	06/29/24 18:57	1
o-Terphenyl	178	S1+	70 - 130	06/28/24 16:11	06/29/24 18:57	1

Lab Sample ID: LCS 880-84587/2-A

Matrix: Solid

Analysis Batch: 84622

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

Prep Batch: 84587

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	915.7		mg/Kg		92	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	888.5		mg/Kg		89	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-84587/3-A

Matrix: Solid

Analysis Batch: 84622

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 84587

%Rec **RPD** RPD Limit

Spike LCSD LCSD Analyte Added Result Qualifier Unit %Rec Limits 1000 1010 Gasoline Range Organics 101 20 mg/Kg 70 - 13010 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1020 102 70 - 130 14 20 mg/Kg C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	129		70 - 130

Job ID: 880-45373-1

Client Sample ID: CS 25

Client Sample ID: CS 25

Prep Type: Total/NA

Prep Batch: 84587

Prep Type: Total/NA

Prep Batch: 84587

20

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

Lab Sample ID: 880-45373-3 MS

Matrix: Solid

Analysis Batch: 84622

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	26.7	JB	1010	980.0		mg/Kg	*	94	70 - 130
Diesel Range Organics (Over C10-C28)	16.8	J F1	1010	537.7	F1	mg/Kg	₩	51	70 - 130

	IVIS	IVIS	13		
Surrogate	%Recovery	Qualifier	Limits		
1-Chlorooctane	83		70 - 130		
o-Terphenyl	81		70 - 130		

Lab Sample ID: 880-45373-3 MSD

Matrix: Solid

Analysis Batch: 84622

Sample Sample Spike MSD MSD %Rec RPD Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits **RPD** Limit 26.7 JB 1010 1014 ₩ 97 70 - 130 3 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 16.8 JF1 1010 556.4 F1 mg/Kg 53 70 - 130 3

C10-C28)

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: MB 880-84589/1-A

Matrix: Solid

Analysis Batch: 84620

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 84589

ı		MB	MR							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	13.48	J	50.0	11.0	mg/Kg		06/28/24 16:15	06/29/24 18:57	1
	(GRO)-C6-C10									
	Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		06/28/24 16:15	06/29/24 18:57	1
	C10-C28)									
	Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		06/28/24 16:15	06/29/24 18:57	1
ı										

Limits Prepared Dil Fac Surrogate %Recovery Qualifier Analyzed 70 - 130 06/28/24 16:15 06/29/24 18:57 1-Chlorooctane 169 S1+ 178 S1+ 70 - 130 06/28/24 16:15 06/29/24 18:57 o-Terphenyl

Lab Sample ID: LCS 880-84589/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 84620						Prep Batch: 84589			
	Spike	LCS	LCS				%Rec		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	940.4		mg/Kg		94	70 - 130		
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	937.3		mg/Kg		94	70 - 130		
C10-C28)									

Eurofins Midland

Prep Type: Total/NA

Client: Civil & Environmental Consultants Inc

Job ID: 880-45373-1

Project/Site: Fighting Okra 18 19 31H CTB 2

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

LCS LCS

Lab Sample ID: LCS 880-84589/2-A

Matrix: Solid

Analysis Batch: 84620

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

Prep Batch: 84589

Surrogate	%Recovery	Qualifier	Limits				
1-Chlorooctane	92		70 - 130				
o-Terphenyl	88		70 - 130				

Lab Sample ID: LCSD 880-84589/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 84620

Prep Type: Total/NA Prep Batch: 84589

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1044 104 70 - 130 10 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1125 mg/Kg 113 70 - 130 18 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	122		70 - 130

Lab Sample ID: 880-45373-23 MS Client Sample ID: CS 69 **Matrix: Solid**

Analysis Batch: 84620

Prep Type: Total/NA

Prep Batch: 84589

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	28.2	JB	1010	927.4		mg/Kg	₽	89	70 - 130		_
(GRO)-C6-C10 Diesel Range Organics (Over	47.1	J F1	1010	458.5	F1	mg/Kg	₩	41	70 - 130		
C10-C28)											

	MS	MS MS				
Surrogate	%Recovery	Qualifier	Limits			
1-Chlorooctane	74		70 - 130			
o-Terphenyl	68	S1-	70 - 130			

Lab Sample ID: 880-45373-23 MSD Client Sample ID: CS 69

Matrix: Solid Prep Type: Total/NA

Analysis Batch: 84620 Prep Batch: 84589

	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	28.2	JB	1010	971.0		mg/Kg	<u></u>	93	70 - 130	5	20	
Diesel Range Organics (Over	47.1	JF1	1010	476.9	F1	mg/Kg	₽	43	70 - 130	4	20	

	IVISD	INISD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	69	S1-	70 - 130

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

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

Lab Sample ID: MB 880-84594/1-A

Matrix: Solid

Analysis Batch: 84647

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84594

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	12.80	J	50.0	11.0	mg/Kg		06/28/24 16:24	07/01/24 08:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/28/24 16:24	07/01/24 08:34	1
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		06/28/24 16:24	07/01/24 08:34	1
	MB	MB							
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

70 - 130

70 - 130

Lab Sample ID: LCS 880-84594/2-A

Matrix: Solid

1-Chlorooctane

o-Terphenyl

Analysis Batch: 84647

Client Sample ID: Lab Control Sample

07/01/24 08:34

07/01/24 08:34

06/28/24 16:24

06/28/24 16:24

Prep Type: Total/NA

Prep Batch: 84594

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 1000 1035 103 70 - 130 mg/Kg (GRO)-C6-C10 1000 1224 Diesel Range Organics (Over mg/Kg 122 70 - 130C10-C28)

LCS LCS

214 S1+

266 S1+

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 144 S1+ 70 - 130 o-Terphenyl 157 S1+ 70 - 130

Lab Sample ID: LCSD 880-84594/3-A

Matrix: Solid

Analysis Batch: 84647

Client Sample ID: Lab (Control Sample Dup
-------------------------	--------------------

Prep Type: Total/NA

Prep Batch: 84594

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	900.7		mg/Kg		90	70 - 130	14	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	1040		mg/Kg		104	70 - 130	16	20
C10-C28)									

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	126		70 - 130

Lab Sample ID: MB 880-84599/1-A

Matrix: Solid

Analysis Batch: 84626

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 84599

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	21.23	J	50.0	11.0	mg/Kg		06/28/24 16:46	06/29/24 18:21	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.0	U	50.0	15.0	mg/Kg		06/28/24 16:46	06/29/24 18:21	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<12.5	U	50.0	12.5	mg/Kg		06/28/24 16:46	06/29/24 18:21	1

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Released to Imaging: 12/20/2024 9:34:34 AM

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

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

Lab Sample ID: MB 880-84599/1-A **Matrix: Solid**

Analysis Batch: 84626

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 84599

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 1-Chlorooctane 246 S1+ 70 - 130 06/28/24 16:46 06/29/24 18:21 o-Terphenyl 270 S1+ 70 - 130 06/28/24 16:46 06/29/24 18:21

Lab Sample ID: LCS 880-84599/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 84626

Prep Type: Total/NA Prep Batch: 84599

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits 1000 907.4 91 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 963.1 mg/Kg 96 70 - 130C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-84599/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 84626

Prep Type: Total/NA

Prep Batch: 84599

Spike LCSD LCSD Analyte hahhA Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics 1000 858.8 mg/Kg 86 70 - 130 6 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 907.5 mg/Kg 91 70 - 130 6 20 C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	108		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84502/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 84722

MB MB

Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride <0.395 U 5.00 0.395 mg/Kg 07/02/24 00:14

Lab Sample ID: LCS 880-84502/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 84722

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit Chloride 250 252.8 mg/Kg 101 90 - 110

Job ID: 880-45373-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-84502/3-A

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 84722

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	i
Chloride	250	253.0		mg/Kg		101	90 - 110	0	20	

Lab Sample ID: MB 880-84510/1-A

Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 84743

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			07/02/24 02:59	1

Lab Sample ID: LCS 880-84510/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 84743

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	 250	251.9		mg/Kg		101	90 - 110	

Lab Sample ID: LCSD 880-84510/3-A

Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Client Sample ID: CS 36

Client Sample ID: CS 36

Client Sample ID: CS 61

Client Sample ID: CS 61

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 84743

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	253.5		mg/Kg		101	90 - 110	1	20	

Lab Sample ID: 880-45373-7 MS

Matrix: Solid

Analysis Batch: 84743

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	14000	F1	4990	19830	F1	ma/Ka		117	90 - 110	

Lab Sample ID: 880-45373-7 MSD

Matrix: Solid

Analysis Batch: 84743

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	14000	F1	4990	19900	F1	mg/Kg		118	90 - 110	0	20	

Lab Sample ID: 880-45373-17 MS

Matrix: Solid

Analysis Batch: 84743

,	Sample Sample	Spike	MS N	MS				%Rec
Analyte	Result Qualifier	Added	Result C	Qualifier (Jnit	D	%Rec	Limits
Chloride	2240	1250	3529	r	ng/Kg		103	90 - 110

Lab Sample ID: 880-45373-17 MSD

Matrix: Solid

Analysis Batch: 84743											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	2240		1250	3528		mg/Kg		103	90 - 110	0	20

Job ID: 880-45373-1

Client Sample ID: CS 90

Client Sample ID: CS 90

Client Sample ID: CS 113

Client Sample ID: CS 113

Prep Type: Soluble

Client Sample ID: Method Blank

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-84511/1-A

Matrix: Solid

Analyte

Chloride

Analysis Batch: 84751

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Prep Type: Soluble	

мв мв Dil Fac Result Qualifier RLMDL Unit Prepared Analyzed <0.395 U 5.00 0.395 mg/Kg 07/02/24 14:35

Lab Sample ID: LCS 880-84511/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 84751

	Spike	LCS LCS				%Rec	
Analyte	Added	Result Qualifier	Unit	D	%Rec	Limits	
Chloride	250	255.0	mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-84511/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble** Analysis Batch: 84751

		Spike	LCSD	LCSD				%Rec		RPD
Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride		250	253.4		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 880-45373-27 MS

Matrix: Solid

Analysis Batch: 84751

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	4580		1250	5901		mg/Kg	_	106	90 - 110	

Lab Sample ID: 880-45373-27 MSD

Matrix: Solid

Analysis Batch: 84751

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	4580		1250	5897		mg/Kg		106	90 - 110		20

Lab Sample ID: 880-45373-37 MS

Matrix: Solid

Analysis Batch: 84751

-	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	821		249	1048		ma/Ka		91	90 - 110	

Lab Sample ID: 880-45373-37 MSD

Matrix: Solid

Analysis Batch: 84751

7 manyono Batom o m o .											
	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	821		249	1046		mg/Kg		90	90 - 110	0	20

Lab Sample ID: MB 880-84514/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 84768

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	< 0.395	U	5 00	0.395	ma/Ka			07/02/24 10:25	1

QC Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: CS 4

Client Sample ID: CS 4

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-84514/2-A

Matrix: Solid

Analysis Batch: 84768

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 258.0 mg/Kg 103 90 - 110

Lab Sample ID: LCSD 880-84514/3-A

Matrix: Solid

Analysis Batch: 84768

Spike LCSD LCSD %Rec RPD Added Unit RPD Limit Analyte Result Qualifier D %Rec Limits Chloride 250 258.3 mg/Kg 103 90 - 110 0

Lab Sample ID: 880-45373-47 MS

Matrix: Solid

Analysis Batch: 84768

MS MS %Rec Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Chloride 2660 1250 3921 101 90 - 110 mg/Kg

Lab Sample ID: 880-45373-47 MSD

Matrix: Solid

Analysis Batch: 84768

Sample Sample MSD MSD RPD Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits 2660 1250 Chloride 3829 93 90 - 110 20 mg/Kg

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

GC VOA

Analysis Batch: 84451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-1	CS 20	Total/NA	Solid	8021B	84489
880-45373-2	CS 27	Total/NA	Solid	8021B	84489
880-45373-3	CS 25	Total/NA	Solid	8021B	84489
880-45373-4	CS 34	Total/NA	Solid	8021B	84489
880-45373-5	CS 35	Total/NA	Solid	8021B	84489
880-45373-6	CS 33	Total/NA	Solid	8021B	84489
880-45373-7	CS 36	Total/NA	Solid	8021B	84489
880-45373-8	CS 38	Total/NA	Solid	8021B	84489
880-45373-9	CS 47	Total/NA	Solid	8021B	84489
880-45373-10	CS 48	Total/NA	Solid	8021B	84489
880-45373-11	CS 45	Total/NA	Solid	8021B	84489
880-45373-12	CS 49	Total/NA	Solid	8021B	84489
880-45373-13	CS 58	Total/NA	Solid	8021B	84489
880-45373-14	CS 59	Total/NA	Solid	8021B	84489
880-45373-15	CS 60	Total/NA	Solid	8021B	84489
880-45373-16	CS 57	Total/NA	Solid	8021B	84489
880-45373-17	CS 61	Total/NA	Solid	8021B	84489
880-45373-18	CS 16	Total/NA	Solid	8021B	84489
880-45373-19	CS 76	Total/NA	Solid	8021B	84489
880-45373-20	CS 71	Total/NA	Solid	8021B	84489
MB 880-84468/5-A	Method Blank	Total/NA	Solid	8021B	84468
MB 880-84489/5-A	Method Blank	Total/NA	Solid	8021B	84489
LCS 880-84489/1-A	Lab Control Sample	Total/NA	Solid	8021B	84489
LCSD 880-84489/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84489
880-45373-1 MS	CS 20	Total/NA	Solid	8021B	84489
880-45373-1 MSD	CS 20	Total/NA	Solid	8021B	84489

Analysis Batch: 84457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-21	CS 72	Total/NA	Solid	8021B	84494
880-45373-22	CS 73	Total/NA	Solid	8021B	84494
880-45373-23	CS 69	Total/NA	Solid	8021B	84494
880-45373-24	CS 14	Total/NA	Solid	8021B	84494
880-45373-25	CS 88	Total/NA	Solid	8021B	84494
880-45373-26	CS 89	Total/NA	Solid	8021B	84494
880-45373-27	CS 90	Total/NA	Solid	8021B	84494
880-45373-28	CS 91	Total/NA	Solid	8021B	84494
880-45373-29	CS 1	Total/NA	Solid	8021B	84494
880-45373-30	CS 74	Total/NA	Solid	8021B	84494
880-45373-31	CS 86	Total/NA	Solid	8021B	84494
880-45373-32	CS 101	Total/NA	Solid	8021B	84494
880-45373-33	CS 102	Total/NA	Solid	8021B	84494
880-45373-34	CS 103	Total/NA	Solid	8021B	84494
880-45373-35	CS 104	Total/NA	Solid	8021B	84494
880-45373-36	CS 12	Total/NA	Solid	8021B	84494
880-45373-37	CS 113	Total/NA	Solid	8021B	84494
880-45373-38	CS 114	Total/NA	Solid	8021B	84494
880-45373-39	CS 115	Total/NA	Solid	8021B	84494
880-45373-40	CS 8	Total/NA	Solid	8021B	84494
880-45373-41	CS 10	Total/NA	Solid	8021B	84495
880-45373-42	CS 105	Total/NA	Solid	8021B	84495

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Page 60 of 102

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

GC VOA (Continued)

Analysis Batch: 84457 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-43	CS 2	Total/NA	Solid	8021B	84495
880-45373-44	CS 124	Total/NA	Solid	8021B	84495
880-45373-45	CS 125	Total/NA	Solid	8021B	84495
880-45373-46	CS 116	Total/NA	Solid	8021B	84495
880-45373-47	CS 4	Total/NA	Solid	8021B	84495
880-45373-48	CS 6	Total/NA	Solid	8021B	84495
880-45373-49	CS 126	Total/NA	Solid	8021B	84495
880-45373-50	CS 131	Total/NA	Solid	8021B	84495
880-45373-51	F031H-14A	Total/NA	Solid	8021B	84495
880-45373-52	F031H-12A	Total/NA	Solid	8021B	84495
880-45373-53	F031H-11A	Total/NA	Solid	8021B	84495
880-45373-54	F031H-3A	Total/NA	Solid	8021B	84495
MB 880-84459/5-A	Method Blank	Total/NA	Solid	8021B	84459
MB 880-84494/5-A	Method Blank	Total/NA	Solid	8021B	84494
MB 880-84495/5-A	Method Blank	Total/NA	Solid	8021B	84495
LCS 880-84494/1-A	Lab Control Sample	Total/NA	Solid	8021B	84494
LCS 880-84495/1-A	Lab Control Sample	Total/NA	Solid	8021B	84495
LCSD 880-84494/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84494
LCSD 880-84495/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	84495
880-45373-21 MS	CS 72	Total/NA	Solid	8021B	84494
880-45373-21 MSD	CS 72	Total/NA	Solid	8021B	84494
880-45373-41 MS	CS 10	Total/NA	Solid	8021B	84495
880-45373-41 MSD	CS 10	Total/NA	Solid	8021B	84495

Prep Batch: 84459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-84459/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 84468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-84468/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 84489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-45373-1	CS 20	Total/NA	Solid	5035	
880-45373-2	CS 27	Total/NA	Solid	5035	
880-45373-3	CS 25	Total/NA	Solid	5035	
880-45373-4	CS 34	Total/NA	Solid	5035	
880-45373-5	CS 35	Total/NA	Solid	5035	
880-45373-6	CS 33	Total/NA	Solid	5035	
880-45373-7	CS 36	Total/NA	Solid	5035	
880-45373-8	CS 38	Total/NA	Solid	5035	
880-45373-9	CS 47	Total/NA	Solid	5035	
880-45373-10	CS 48	Total/NA	Solid	5035	
880-45373-11	CS 45	Total/NA	Solid	5035	
880-45373-12	CS 49	Total/NA	Solid	5035	
880-45373-13	CS 58	Total/NA	Solid	5035	
880-45373-14	CS 59	Total/NA	Solid	5035	
880-45373-15	CS 60	Total/NA	Solid	5035	
880-45373-16	CS 57	Total/NA	Solid	5035	
880-45373-17	CS 61	Total/NA	Solid	5035	

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

GC VOA (Continued)

Prep Batch: 84489 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-18	CS 16	Total/NA	Solid	5035	
880-45373-19	CS 76	Total/NA	Solid	5035	
880-45373-20	CS 71	Total/NA	Solid	5035	
MB 880-84489/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84489/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84489/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45373-1 MS	CS 20	Total/NA	Solid	5035	
880-45373-1 MSD	CS 20	Total/NA	Solid	5035	

Prep Batch: 84494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-21	CS 72	Total/NA	Solid	5035	
880-45373-22	CS 73	Total/NA	Solid	5035	
880-45373-23	CS 69	Total/NA	Solid	5035	
880-45373-24	CS 14	Total/NA	Solid	5035	
880-45373-25	CS 88	Total/NA	Solid	5035	
880-45373-26	CS 89	Total/NA	Solid	5035	
880-45373-27	CS 90	Total/NA	Solid	5035	
880-45373-28	CS 91	Total/NA	Solid	5035	
880-45373-29	CS 1	Total/NA	Solid	5035	
880-45373-30	CS 74	Total/NA	Solid	5035	
880-45373-31	CS 86	Total/NA	Solid	5035	
880-45373-32	CS 101	Total/NA	Solid	5035	
880-45373-33	CS 102	Total/NA	Solid	5035	
880-45373-34	CS 103	Total/NA	Solid	5035	
880-45373-35	CS 104	Total/NA	Solid	5035	
880-45373-36	CS 12	Total/NA	Solid	5035	
880-45373-37	CS 113	Total/NA	Solid	5035	
880-45373-38	CS 114	Total/NA	Solid	5035	
880-45373-39	CS 115	Total/NA	Solid	5035	
880-45373-40	CS 8	Total/NA	Solid	5035	
MB 880-84494/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84494/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84494/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45373-21 MS	CS 72	Total/NA	Solid	5035	
880-45373-21 MSD	CS 72	Total/NA	Solid	5035	

Prep Batch: 84495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-41	CS 10	Total/NA	Solid	5035	_
880-45373-42	CS 105	Total/NA	Solid	5035	
880-45373-43	CS 2	Total/NA	Solid	5035	
880-45373-44	CS 124	Total/NA	Solid	5035	
880-45373-45	CS 125	Total/NA	Solid	5035	
880-45373-46	CS 116	Total/NA	Solid	5035	
880-45373-47	CS 4	Total/NA	Solid	5035	
880-45373-48	CS 6	Total/NA	Solid	5035	
880-45373-49	CS 126	Total/NA	Solid	5035	
880-45373-50	CS 131	Total/NA	Solid	5035	
880-45373-51	F031H-14A	Total/NA	Solid	5035	
880-45373-52	F031H-12A	Total/NA	Solid	5035	

Eurofins Midland

Page 62 of 102

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

GC VOA (Continued)

Prep Batch: 84495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-53	F031H-11A	Total/NA	Solid	5035	
880-45373-54	F031H-3A	Total/NA	Solid	5035	
MB 880-84495/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-84495/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-84495/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-45373-41 MS	CS 10	Total/NA	Solid	5035	
880-45373-41 MSD	CS 10	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 84585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-1	CS 20	Total/NA	Solid	8015NM Prep	
880-45373-2	CS 27	Total/NA	Solid	8015NM Prep	
MB 880-84585/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84585/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 84587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-3	CS 25	Total/NA	Solid	8015NM Prep	
880-45373-4	CS 34	Total/NA	Solid	8015NM Prep	
880-45373-5	CS 35	Total/NA	Solid	8015NM Prep	
880-45373-6	CS 33	Total/NA	Solid	8015NM Prep	
880-45373-7	CS 36	Total/NA	Solid	8015NM Prep	
880-45373-8	CS 38	Total/NA	Solid	8015NM Prep	
880-45373-9	CS 47	Total/NA	Solid	8015NM Prep	
880-45373-10	CS 48	Total/NA	Solid	8015NM Prep	
880-45373-11	CS 45	Total/NA	Solid	8015NM Prep	
880-45373-12	CS 49	Total/NA	Solid	8015NM Prep	
880-45373-13	CS 58	Total/NA	Solid	8015NM Prep	
880-45373-14	CS 59	Total/NA	Solid	8015NM Prep	
880-45373-15	CS 60	Total/NA	Solid	8015NM Prep	
880-45373-16	CS 57	Total/NA	Solid	8015NM Prep	
880-45373-17	CS 61	Total/NA	Solid	8015NM Prep	
880-45373-18	CS 16	Total/NA	Solid	8015NM Prep	
880-45373-19	CS 76	Total/NA	Solid	8015NM Prep	
880-45373-20	CS 71	Total/NA	Solid	8015NM Prep	
880-45373-21	CS 72	Total/NA	Solid	8015NM Prep	
880-45373-22	CS 73	Total/NA	Solid	8015NM Prep	
MB 880-84587/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84587/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45373-3 MS	CS 25	Total/NA	Solid	8015NM Prep	
880-45373-3 MSD	CS 25	Total/NA	Solid	8015NM Prep	

Prep Batch: 84589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-23	CS 69	Total/NA	Solid	8015NM Prep	
880-45373-24	CS 14	Total/NA	Solid	8015NM Prep	
880-45373-25	CS 88	Total/NA	Solid	8015NM Prep	

Eurofins Midland

Page 63 of 102

7/5/2024

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

GC Semi VOA (Continued)

Prep Batch: 84589 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-26	CS 89	Total/NA	Solid	8015NM Prep	
880-45373-27	CS 90	Total/NA	Solid	8015NM Prep	
880-45373-28	CS 91	Total/NA	Solid	8015NM Prep	
880-45373-29	CS 1	Total/NA	Solid	8015NM Prep	
880-45373-30	CS 74	Total/NA	Solid	8015NM Prep	
880-45373-31	CS 86	Total/NA	Solid	8015NM Prep	
880-45373-32	CS 101	Total/NA	Solid	8015NM Prep	
880-45373-33	CS 102	Total/NA	Solid	8015NM Prep	
880-45373-34	CS 103	Total/NA	Solid	8015NM Prep	
880-45373-35	CS 104	Total/NA	Solid	8015NM Prep	
880-45373-36	CS 12	Total/NA	Solid	8015NM Prep	
880-45373-37	CS 113	Total/NA	Solid	8015NM Prep	
880-45373-38	CS 114	Total/NA	Solid	8015NM Prep	
880-45373-39	CS 115	Total/NA	Solid	8015NM Prep	
880-45373-40	CS 8	Total/NA	Solid	8015NM Prep	
880-45373-41	CS 10	Total/NA	Solid	8015NM Prep	
880-45373-42	CS 105	Total/NA	Solid	8015NM Prep	
MB 880-84589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-45373-23 MS	CS 69	Total/NA	Solid	8015NM Prep	
880-45373-23 MSD	CS 69	Total/NA	Solid	8015NM Prep	

Prep Batch: 84594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-43	CS 2	Total/NA	Solid	8015NM Prep	
880-45373-44	CS 124	Total/NA	Solid	8015NM Prep	
880-45373-45	CS 125	Total/NA	Solid	8015NM Prep	
880-45373-46	CS 116	Total/NA	Solid	8015NM Prep	
880-45373-47	CS 4	Total/NA	Solid	8015NM Prep	
880-45373-48	CS 6	Total/NA	Solid	8015NM Prep	
880-45373-49	CS 126	Total/NA	Solid	8015NM Prep	
880-45373-50	CS 131	Total/NA	Solid	8015NM Prep	
880-45373-51	F031H-14A	Total/NA	Solid	8015NM Prep	
MB 880-84594/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84594/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84594/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 84599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-52	F031H-12A	Total/NA	Solid	8015NM Prep	
880-45373-53	F031H-11A	Total/NA	Solid	8015NM Prep	
880-45373-54	F031H-3A	Total/NA	Solid	8015NM Prep	
MB 880-84599/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-84599/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-84599/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 84620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-23	CS 69	Total/NA	Solid	8015B NM	84589
880-45373-24	CS 14	Total/NA	Solid	8015B NM	84589

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

GC Semi VOA (Continued)

Analysis Batch: 84620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-25	CS 88	Total/NA	Solid	8015B NM	84589
880-45373-26	CS 89	Total/NA	Solid	8015B NM	84589
880-45373-27	CS 90	Total/NA	Solid	8015B NM	84589
880-45373-28	CS 91	Total/NA	Solid	8015B NM	84589
880-45373-29	CS 1	Total/NA	Solid	8015B NM	84589
880-45373-30	CS 74	Total/NA	Solid	8015B NM	84589
880-45373-31	CS 86	Total/NA	Solid	8015B NM	84589
880-45373-32	CS 101	Total/NA	Solid	8015B NM	84589
880-45373-33	CS 102	Total/NA	Solid	8015B NM	84589
880-45373-34	CS 103	Total/NA	Solid	8015B NM	84589
880-45373-35	CS 104	Total/NA	Solid	8015B NM	84589
880-45373-36	CS 12	Total/NA	Solid	8015B NM	84589
880-45373-37	CS 113	Total/NA	Solid	8015B NM	84589
880-45373-38	CS 114	Total/NA	Solid	8015B NM	84589
880-45373-39	CS 115	Total/NA	Solid	8015B NM	84589
880-45373-40	CS 8	Total/NA	Solid	8015B NM	84589
880-45373-41	CS 10	Total/NA	Solid	8015B NM	84589
880-45373-42	CS 105	Total/NA	Solid	8015B NM	84589
MB 880-84589/1-A	Method Blank	Total/NA	Solid	8015B NM	84589
LCS 880-84589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84589
LCSD 880-84589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84589
880-45373-23 MS	CS 69	Total/NA	Solid	8015B NM	84589
880-45373-23 MSD	CS 69	Total/NA	Solid	8015B NM	84589

Analysis Batch: 84622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-3	CS 25	Total/NA	Solid	8015B NM	84587
880-45373-4	CS 34	Total/NA	Solid	8015B NM	84587
880-45373-5	CS 35	Total/NA	Solid	8015B NM	84587
880-45373-6	CS 33	Total/NA	Solid	8015B NM	84587
880-45373-7	CS 36	Total/NA	Solid	8015B NM	84587
880-45373-8	CS 38	Total/NA	Solid	8015B NM	84587
880-45373-9	CS 47	Total/NA	Solid	8015B NM	84587
880-45373-10	CS 48	Total/NA	Solid	8015B NM	84587
880-45373-11	CS 45	Total/NA	Solid	8015B NM	84587
880-45373-12	CS 49	Total/NA	Solid	8015B NM	84587
880-45373-13	CS 58	Total/NA	Solid	8015B NM	84587
880-45373-14	CS 59	Total/NA	Solid	8015B NM	84587
880-45373-15	CS 60	Total/NA	Solid	8015B NM	84587
880-45373-16	CS 57	Total/NA	Solid	8015B NM	84587
880-45373-17	CS 61	Total/NA	Solid	8015B NM	84587
880-45373-18	CS 16	Total/NA	Solid	8015B NM	84587
880-45373-19	CS 76	Total/NA	Solid	8015B NM	84587
880-45373-20	CS 71	Total/NA	Solid	8015B NM	84587
880-45373-21	CS 72	Total/NA	Solid	8015B NM	84587
880-45373-22	CS 73	Total/NA	Solid	8015B NM	84587
MB 880-84587/1-A	Method Blank	Total/NA	Solid	8015B NM	84587
LCS 880-84587/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84587
LCSD 880-84587/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84587
880-45373-3 MS	CS 25	Total/NA	Solid	8015B NM	84587
880-45373-3 MSD	CS 25	Total/NA	Solid	8015B NM	84587

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

GC Semi VOA

Analysis Batch: 84625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-52	F031H-12A	Total/NA	Solid	8015B NM	84599
880-45373-53	F031H-11A	Total/NA	Solid	8015B NM	84599
880-45373-54	F031H-3A	Total/NA	Solid	8015B NM	84599

Analysis Batch: 84626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-1	CS 20	Total/NA	Solid	8015B NM	84585
880-45373-2	CS 27	Total/NA	Solid	8015B NM	84585
MB 880-84585/1-A	Method Blank	Total/NA	Solid	8015B NM	84585
MB 880-84599/1-A	Method Blank	Total/NA	Solid	8015B NM	84599
LCS 880-84585/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84585
LCS 880-84599/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84599
LCSD 880-84585/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84585
LCSD 880-84599/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84599

Analysis Batch: 84647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-43	CS 2	Total/NA	Solid	8015B NM	84594
880-45373-44	CS 124	Total/NA	Solid	8015B NM	84594
880-45373-45	CS 125	Total/NA	Solid	8015B NM	84594
880-45373-46	CS 116	Total/NA	Solid	8015B NM	84594
880-45373-47	CS 4	Total/NA	Solid	8015B NM	84594
880-45373-48	CS 6	Total/NA	Solid	8015B NM	84594
880-45373-49	CS 126	Total/NA	Solid	8015B NM	84594
880-45373-50	CS 131	Total/NA	Solid	8015B NM	84594
880-45373-51	F031H-14A	Total/NA	Solid	8015B NM	84594
MB 880-84594/1-A	Method Blank	Total/NA	Solid	8015B NM	84594
LCS 880-84594/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	84594
LCSD 880-84594/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	84594

HPLC/IC

Leach Batch: 84502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-1	CS 20	Soluble	Solid	DI Leach	
880-45373-2	CS 27	Soluble	Solid	DI Leach	
880-45373-3	CS 25	Soluble	Solid	DI Leach	
880-45373-4	CS 34	Soluble	Solid	DI Leach	
880-45373-5	CS 35	Soluble	Solid	DI Leach	
880-45373-6	CS 33	Soluble	Solid	DI Leach	
MB 880-84502/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84502/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84502/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 84510

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-7	CS 36	Soluble	Solid	DI Leach	
880-45373-8	CS 38	Soluble	Solid	DI Leach	
880-45373-9	CS 47	Soluble	Solid	DI Leach	
880-45373-10	CS 48	Soluble	Solid	DI Leach	
880-45373-11	CS 45	Soluble	Solid	DI Leach	

Eurofins Midland

Page 66 of 102

7/5/2024

9

4

7

9

11

12

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

HPLC/IC (Continued)

Leach Batch: 84510 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-12	CS 49	Soluble	Solid	DI Leach	_
880-45373-13	CS 58	Soluble	Solid	DI Leach	
880-45373-14	CS 59	Soluble	Solid	DI Leach	
880-45373-15	CS 60	Soluble	Solid	DI Leach	
880-45373-16	CS 57	Soluble	Solid	DI Leach	
880-45373-17	CS 61	Soluble	Solid	DI Leach	
880-45373-18	CS 16	Soluble	Solid	DI Leach	
880-45373-19	CS 76	Soluble	Solid	DI Leach	
880-45373-20	CS 71	Soluble	Solid	DI Leach	
880-45373-21	CS 72	Soluble	Solid	DI Leach	
880-45373-22	CS 73	Soluble	Solid	DI Leach	
880-45373-23	CS 69	Soluble	Solid	DI Leach	
880-45373-24	CS 14	Soluble	Solid	DI Leach	
880-45373-25	CS 88	Soluble	Solid	DI Leach	
880-45373-26	CS 89	Soluble	Solid	DI Leach	
MB 880-84510/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84510/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84510/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45373-7 MS	CS 36	Soluble	Solid	DI Leach	
880-45373-7 MSD	CS 36	Soluble	Solid	DI Leach	
880-45373-17 MS	CS 61	Soluble	Solid	DI Leach	
880-45373-17 MSD	CS 61	Soluble	Solid	DI Leach	

Leach Batch: 84511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-45373-27	CS 90	Soluble	Solid	DI Leach	
880-45373-28	CS 91	Soluble	Solid	DI Leach	
880-45373-29	CS 1	Soluble	Solid	DI Leach	
880-45373-30	CS 74	Soluble	Solid	DI Leach	
880-45373-31	CS 86	Soluble	Solid	DI Leach	
880-45373-32	CS 101	Soluble	Solid	DI Leach	
880-45373-33	CS 102	Soluble	Solid	DI Leach	
880-45373-34	CS 103	Soluble	Solid	DI Leach	
880-45373-35	CS 104	Soluble	Solid	DI Leach	
880-45373-36	CS 12	Soluble	Solid	DI Leach	
880-45373-37	CS 113	Soluble	Solid	DI Leach	
880-45373-38	CS 114	Soluble	Solid	DI Leach	
880-45373-39	CS 115	Soluble	Solid	DI Leach	
880-45373-40	CS 8	Soluble	Solid	DI Leach	
880-45373-41	CS 10	Soluble	Solid	DI Leach	
880-45373-42	CS 105	Soluble	Solid	DI Leach	
880-45373-43	CS 2	Soluble	Solid	DI Leach	
880-45373-44	CS 124	Soluble	Solid	DI Leach	
880-45373-45	CS 125	Soluble	Solid	DI Leach	
880-45373-46	CS 116	Soluble	Solid	DI Leach	
MB 880-84511/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84511/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84511/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45373-27 MS	CS 90	Soluble	Solid	DI Leach	
880-45373-27 MSD	CS 90	Soluble	Solid	DI Leach	
880-45373-37 MS	CS 113	Soluble	Solid	DI Leach	

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

HPLC/IC (Continued)

Leach Batch: 84511 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-37 MSD	CS 113	Soluble	Solid	DI Leach	

Leach Batch: 84514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-47	CS 4	Soluble	Solid	DI Leach	
880-45373-48	CS 6	Soluble	Solid	DI Leach	
880-45373-49	CS 126	Soluble	Solid	DI Leach	
880-45373-50	CS 131	Soluble	Solid	DI Leach	
880-45373-51	F031H-14A	Soluble	Solid	DI Leach	
880-45373-52	F031H-12A	Soluble	Solid	DI Leach	
880-45373-53	F031H-11A	Soluble	Solid	DI Leach	
880-45373-54	F031H-3A	Soluble	Solid	DI Leach	
MB 880-84514/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-84514/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-84514/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-45373-47 MS	CS 4	Soluble	Solid	DI Leach	
880-45373-47 MSD	CS 4	Soluble	Solid	DI Leach	

Analysis Batch: 84722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-1	CS 20	Soluble	Solid	300.0	84502
880-45373-2	CS 27	Soluble	Solid	300.0	84502
880-45373-3	CS 25	Soluble	Solid	300.0	84502
880-45373-4	CS 34	Soluble	Solid	300.0	84502
880-45373-5	CS 35	Soluble	Solid	300.0	84502
880-45373-6	CS 33	Soluble	Solid	300.0	84502
MB 880-84502/1-A	Method Blank	Soluble	Solid	300.0	84502
LCS 880-84502/2-A	Lab Control Sample	Soluble	Solid	300.0	84502
LCSD 880-84502/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84502

Analysis Batch: 84743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
880-45373-7	CS 36	Soluble	Solid	300.0	84510	
880-45373-8	CS 38	Soluble	Solid	300.0	84510 84510	
880-45373-9	CS 47	Soluble	Solid	300.0		
880-45373-10	CS 48	Soluble	Solid	300.0	84510	
880-45373-11	CS 45	Soluble	Solid	300.0	84510	
880-45373-12	CS 49	Soluble	Solid	300.0	84510	
880-45373-13	CS 58	Soluble	Solid	300.0	84510	
880-45373-14	CS 59	Soluble Soluble	Solid Solid	300.0 300.0	84510 84510	
880-45373-15	CS 60					
880-45373-16	CS 57	Soluble	Solid	300.0	84510	
880-45373-17	CS 61	Soluble	Solid	300.0	84510	
880-45373-18	CS 16	Soluble	Solid	300.0	84510	
880-45373-19	CS 76	Soluble	Solid	300.0	84510	
880-45373-20	CS 71	Soluble	Solid	300.0	84510	
880-45373-21	CS 72	Soluble	Solid	300.0	84510	
880-45373-22	CS 73	Soluble	Solid	300.0	84510	
880-45373-23	CS 69	Soluble	Solid	300.0	84510	
880-45373-24	CS 14	Soluble	Solid	300.0	84510	
880-45373-25	CS 88	Soluble	Solid	300.0	84510	

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

HPLC/IC (Continued)

Analysis Batch: 84743 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-26	CS 89	Soluble	Solid	300.0	84510
MB 880-84510/1-A	Method Blank	Soluble	Solid	300.0	84510
LCS 880-84510/2-A	Lab Control Sample	Soluble	Solid	300.0	84510
LCSD 880-84510/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84510
880-45373-7 MS	CS 36	Soluble	Solid	300.0	84510
880-45373-7 MSD	CS 36	Soluble	Solid	300.0	84510
880-45373-17 MS	CS 61	Soluble	Solid	300.0	84510
880-45373-17 MSD	CS 61	Soluble	Solid	300.0	84510

Analysis Batch: 84751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-27	CS 90	Soluble	Solid	300.0	84511
880-45373-28	CS 91	Soluble	Solid	300.0	84511
880-45373-29	CS 1	Soluble	Solid	300.0	84511
880-45373-30	CS 74	Soluble	Solid	300.0	84511
880-45373-31	CS 86	Soluble	Solid	300.0	84511
880-45373-32	CS 101	Soluble	Solid	300.0	84511
880-45373-33	CS 102	Soluble	Solid	300.0	84511
880-45373-34	CS 103	Soluble	Solid	300.0	84511
880-45373-35	CS 104	Soluble	Solid	300.0	84511
880-45373-36	CS 12	Soluble	Solid	300.0	84511
880-45373-37	CS 113	Soluble	Solid	300.0	84511
880-45373-38	CS 114	Soluble	Solid Solid	300.0 300.0	84511 84511
880-45373-39	CS 115	Soluble			
880-45373-40	CS 8	Soluble	Solid	300.0	84511
880-45373-41	CS 10	Soluble	Solid	300.0	84511
880-45373-42	CS 105	Soluble	Solid	300.0	84511
880-45373-43	CS 2	Soluble	Solid	300.0	84511
880-45373-44	CS 124	Soluble	Solid	300.0	84511
880-45373-45	CS 125	Soluble	Solid	300.0	84511
880-45373-46	CS 116	Soluble	Solid	300.0	84511
MB 880-84511/1-A	Method Blank	Soluble	Solid	300.0	84511
LCS 880-84511/2-A	Lab Control Sample	Soluble	Solid	300.0	84511
LCSD 880-84511/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84511
880-45373-27 MS	CS 90	Soluble	Solid	300.0	84511
880-45373-27 MSD	CS 90	Soluble	Solid	300.0	84511
880-45373-37 MS	CS 113	Soluble	Solid	300.0	84511
880-45373-37 MSD	CS 113	Soluble	Solid	300.0	84511

Analysis Batch: 84768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-47	CS 4	Soluble	Solid	300.0	84514
880-45373-48	CS 6	Soluble	Solid	300.0	84514
880-45373-49	CS 126	Soluble	Solid	300.0	84514
880-45373-50	CS 131	Soluble	Solid	300.0	84514
880-45373-51	F031H-14A	Soluble	Solid	300.0	84514
880-45373-52	F031H-12A	Soluble	Solid	300.0	84514
880-45373-53	F031H-11A	Soluble	Solid	300.0	84514
880-45373-54	F031H-3A	Soluble	Solid	300.0	84514
MB 880-84514/1-A	Method Blank	Soluble	Solid	300.0	84514
LCS 880-84514/2-A	Lab Control Sample	Soluble	Solid	300.0	84514

Eurofins Midland

Page 69 of 102

2

3

4

6

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10

13

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

HPLC/IC (Continued)

Analysis Batch: 84768 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-84514/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	84514
880-45373-47 MS	CS 4	Soluble	Solid	300.0	84514
880-45373-47 MSD	CS 4	Soluble	Solid	300.0	84514

General Chemistry

Analysis Batch: 84547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-45373-1	CS 20	Total/NA	Solid	D2216	<u> </u>
880-45373-2	CS 27	Total/NA	Solid	D2216	
880-45373-3	CS 25	Total/NA	Solid	D2216	
880-45373-4	CS 34	Total/NA	Solid	D2216	
880-45373-5	CS 35	Total/NA	Solid	D2216	
880-45373-6	CS 33	Total/NA	Solid	D2216	
880-45373-7	CS 36	Total/NA	Solid	D2216	
880-45373-8	CS 38	Total/NA	Solid	D2216	
880-45373-9	CS 47	Total/NA	Solid	D2216	
880-45373-10	CS 48	Total/NA	Solid	D2216	
880-45373-11	CS 45	Total/NA	Solid	D2216	
880-45373-12	CS 49	Total/NA	Solid	D2216	
880-45373-13	CS 58	Total/NA	Solid	D2216	
880-45373-14	CS 59	Total/NA	Solid	D2216	
880-45373-15	CS 60	Total/NA	Solid	D2216	
880-45373-16	CS 57	Total/NA	Solid	D2216	
880-45373-17	CS 61	Total/NA	Solid	D2216	
MB 880-84547/1	Method Blank	Total/NA	Solid	D2216	
880-45373-13 DU	CS 58	Total/NA	Solid	D2216	

Analysis Batch: 84548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-45373-18	CS 16	Total/NA	Solid	D2216	
880-45373-19	CS 76	Total/NA	Solid	D2216	
880-45373-20	CS 71	Total/NA	Solid	D2216	
380-45373-21	CS 72	Total/NA	Solid	D2216	
380-45373-22	CS 73	Total/NA	Solid	D2216	
380-45373-23	CS 69	Total/NA	Solid	D2216	
380-45373-24	CS 14	Total/NA	Solid	D2216	
880-45373-25	CS 88	Total/NA	Solid	D2216	
380-45373-26	CS 89	Total/NA	Solid	D2216	
380-45373-27	CS 90	Total/NA	Solid	D2216	
380-45373-28	CS 91	Total/NA	Solid	D2216	
380-45373-29	CS 1	Total/NA	Solid	D2216	
380-45373-30	CS 74	Total/NA	Solid	D2216	
380-45373-31	CS 86	Total/NA	Solid	D2216	
380-45373-32	CS 101	Total/NA	Solid	D2216	
380-45373-33	CS 102	Total/NA	Solid	D2216	
380-45373-34	CS 103	Total/NA	Solid	D2216	
380-45373-35	CS 104	Total/NA	Solid	D2216	
380-45373-36	CS 12	Total/NA	Solid	D2216	
880-45373-37	CS 113	Total/NA	Solid	D2216	
MB 880-84548/1	Method Blank	Total/NA	Solid	D2216	

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7/5/2024

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

General Chemistry (Continued)

Analysis Batch: 84548 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-18 DU	CS 16	Total/NA	Solid	D2216	
880-45373-28 DU	CS 91	Total/NA	Solid	D2216	

Analysis Batch: 84558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-45373-38	CS 114	Total/NA	Solid	D2216	_
880-45373-39	CS 115	Total/NA	Solid	D2216	
880-45373-40	CS 8	Total/NA	Solid	D2216	
880-45373-41	CS 10	Total/NA	Solid	D2216	
880-45373-42	CS 105	Total/NA	Solid	D2216	
880-45373-43	CS 2	Total/NA	Solid	D2216	
880-45373-44	CS 124	Total/NA	Solid	D2216	
880-45373-45	CS 125	Total/NA	Solid	D2216	
880-45373-46	CS 116	Total/NA	Solid	D2216	
880-45373-47	CS 4	Total/NA	Solid	D2216	
880-45373-48	CS 6	Total/NA	Solid	D2216	
880-45373-49	CS 126	Total/NA	Solid	D2216	
880-45373-50	CS 131	Total/NA	Solid	D2216	
880-45373-51	F031H-14A	Total/NA	Solid	D2216	
880-45373-52	F031H-12A	Total/NA	Solid	D2216	
880-45373-53	F031H-11A	Total/NA	Solid	D2216	
880-45373-54	F031H-3A	Total/NA	Solid	D2216	
MB 880-84558/1	Method Blank	Total/NA	Solid	D2216	
880-45373-38 DU	CS 114	Total/NA	Solid	D2216	
880-45373-48 DU	CS 6	Total/NA	Solid	D2216	

Lab Sample ID: 880-45373-1

Matrix: Solid

Client Sample ID: CS 20 Date Collected: 06/27/24 08:15

Date Received: 06/28/24 08:44

Client Sample ID: CS 20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84722	07/02/24 02:54	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Lab Sample ID: 880-45373-1

Percent Solids: 98.1

Date Collected: 06/27/24 08:15 **Matrix: Solid** Date Received: 06/28/24 08:44

	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	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 09:13	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84585	06/28/24 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84626	06/29/24 17:22	SM	EET MID

Client Sample ID: CS 27 Lab Sample ID: 880-45373-2

Date Collected: 06/27/24 08:17 **Matrix: Solid**

Date Received: 06/28/24 08:44

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
	Soluble	Leach	DI Leach			5.03 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
	Soluble	Analysis	300.0		10	50 mL	50 mL	84722	07/02/24 03:00	CH	EET MID
L	Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 27 Lab Sample ID: 880-45373-2 Date Collected: 06/27/24 08:17

	Batch	Batch	Dil	Initial	Final	Batch	Prepared	
Date Received: (06/28/24 08:4	4						Percent Solids: 98.8
Date Collected:	06/27/24 08:1	7						Matrix: Solid

	Batch	Batch		DII	initiai	Finai	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 09:33	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84585	06/28/24 16:08	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84626	06/29/24 17:42	SM	EET MID

Lab Sample ID: 880-45373-3 **Client Sample ID: CS 25**

Date Collected: 06/27/24 08:19 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84722	07/02/24 03:07	CH	EET MID
Total/NA	Analysis	D2216		1			8/5/7	06/28/24 14:01	CH	EET MID

Eurofins Midland

Matrix: Solid

Client Sample ID: CS 25

Date Collected: 06/27/24 08:19

Lab Sample ID: 880-45373-3

Matrix: Solid

Matrix: Solid
Percent Solids: 98.4

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 84489 Total/NA Prep 4.95 g 5 mL 06/28/24 11:05 MNR **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 84451 06/29/24 09:53 MNR **EET MID** Total/NA Prep 8015NM Prep 10.00 g 10 mL 84587 06/28/24 16:11 EL EET MID Total/NA Analysis 8015B NM 1 1 uL 1 uL 84622 06/29/24 19:59 SM **EET MID**

Client Sample ID: CS 34 Lab Sample ID: 880-45373-4

Date Collected: 06/27/24 08:21 Matrix: Solid

Date Received: 06/28/24 08:44

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84722	07/02/24 03:14	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 34 Lab Sample ID: 880-45373-4

 Date Collected: 06/27/24 08:21
 Matrix: Solid

 Date Received: 06/28/24 08:44
 Percent Solids: 98.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 10:14	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 21:00	SM	EET MID

Client Sample ID: CS 35 Lab Sample ID: 880-45373-5

Date Collected: 06/27/24 08:23

Date Received: 06/28/24 08:44

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84722	07/02/24 03:20	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	CH	EET MID

Client Sample ID: CS 35 Lab Sample ID: 880-45373-5

Date Collected: 06/27/24 08:23

Date Received: 06/28/24 08:44

Percent Solids: 98.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 10:35	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 21:21	SM	EET MID

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Lab Sample ID: 880-45373-6

Matrix: Solid

Matrix: Solid

Percent Solids: 98.9

Client Sample ID: CS 33 Date Collected: 06/27/24 08:25

Date Received: 06/28/24 08:44

-	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	84502	06/28/24 11:15	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84722	07/02/24 03:27	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 33 Lab Sample ID: 880-45373-6

Date Collected: 06/27/24 08:25 Date Received: 06/28/24 08:44

	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	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 10:56	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 21:41	SM	EET MID

Client Sample ID: CS 36 Lab Sample ID: 880-45373-7

Date Collected: 06/27/24 08:27 **Matrix: Solid**

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 03:14	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 36 Lab Sample ID: 880-45373-7

Date Collected: 06/27/24 08:27 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 11:16	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 22:02	SM	EET MID

Lab Sample ID: 880-45373-8 **Client Sample ID: CS 38** Date Collected: 06/27/24 08:29

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 03:30	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	CH	EET MID

Eurofins Midland

Matrix: Solid

Job ID: 880-45373-1

Client Sample ID: CS 38

Lab Sample ID: 880-45373-8

Matrix: Solid

Percent Solids: 98.4

Date Collected: 06/27/24 08:29 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 11:37	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 22:22	SM	EET MID

Client Sample ID: CS 47 Lab Sample ID: 880-45373-9

Date Collected: 06/27/24 08:31 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 03:35	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 47 Lab Sample ID: 880-45373-9

Date Collected: 06/27/24 08:31 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 11:57	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 22:42	SM	EET MID

Client Sample ID: CS 48 Lab Sample ID: 880-45373-10

Date Collected: 06/27/24 08:33 **Matrix: Solid** Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84743	07/02/24 03:40	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 48 Lab Sample ID: 880-45373-10

Date Collected: 06/27/24 08:33 Date Received: 06/28/24 08:44 Percent Solids: 98.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 12:18	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 23:03	SM	EET MID

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Matrix: Solid

Lab Sample ID: 880-45373-11

Matrix: Solid

Client Sample ID: CS 45

Date Collected: 06/27/24 08:35 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84743	07/02/24 03:46	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	CH	EET MID

Client Sample ID: CS 45 Lab Sample ID: 880-45373-11

Date Collected: 06/27/24 08:35

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 98.4

Prep Type Total/NA	Batch Type Prep	Batch Method 5035	Run	Dil Factor	Amount 4.95 g	Final Amount 5 mL	Batch Number 84489	Prepared or Analyzed 06/28/24 11:05	Analyst MNR	EET MID
Total/NA Total/NA Total/NA	Analysis Prep Analysis	8021B 8015NM Prep 8015B NM		1	5 mL 10.02 g 1 uL	5 mL 10 mL 1 uL	84451 84587 84622	06/29/24 13:44 06/28/24 16:11 06/29/24 23:23	MNR EL SM	EET MID EET MID

Client Sample ID: CS 49 Lab Sample ID: 880-45373-12

Date Collected: 06/27/24 08:37 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 04:01	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 49 Lab Sample ID: 880-45373-12

Date Collected: 06/27/24 08:37

Date Received: 06/28/24 08:44

Matrix: Solid
Percent Solids: 99.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 14:04	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/29/24 23:44	SM	EET MID

Client Sample ID: CS 58 Lab Sample ID: 880-45373-13

Date Collected: 06/27/24 08:39

Date Received: 06/28/24 08:44

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 04:06	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Analysis

D2216

Total/NA

Client Sample ID: CS 58 Lab Sample ID: 880-45373-13 Date Collected: 06/27/24 08:39

Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 97.5

	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	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 14:25	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 00:25	SM	EET MID

Client Sample ID: CS 59 Lab Sample ID: 880-45373-14

Date Collected: 06/27/24 08:41 Matrix: Solid Date Received: 06/28/24 08:44

Batch Batch Dil Initial Final Batch Prepared Method or Analyzed **Prep Type** Туре Run Factor Amount Amount Number Analyst Lab Soluble Leach DI Leach 5.05 g 50 mL 84510 06/28/24 11:54 SMC EET MID Soluble 300.0 07/02/24 04:12 СН Analysis 10 50 mL 50 mL 84743 **EET MID**

1

Client Sample ID: CS 59 Lab Sample ID: 880-45373-14

84547

06/28/24 14:01

СН

EET MID

Date Collected: 06/27/24 08:41 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 14:46	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 00:45	SM	EET MID

Client Sample ID: CS 60 Lab Sample ID: 880-45373-15

Date Collected: 06/27/24 08:43 Matrix: Solid Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 04:17	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	CH	EET MID

Client Sample ID: CS 60 Lab Sample ID: 880-45373-15

Date Collected: 06/27/24 08:43 Matrix: Solid Date Received: 06/28/24 08:44 Percent Solids: 99.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 15:06	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 04:14	SM	EET MID

Lab Sample ID: 880-45373-16

Matrix: Solid

Client Sample ID: CS 57 Date Collected: 06/27/24 08:45

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84743	07/02/24 04:22	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 57

Date Collected: 06/27/24 08:45

Date Received: 06/28/24 08:44

Lab Sample	ID:	880-45373-16
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Matrix: Solid Percent Solids: 98.9

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 5035 8021B	Run	Dil Factor	Amount 5.04 g 5 mL	Final Amount 5 mL 5 mL	Batch Number 84489 84451	Prepared or Analyzed 06/28/24 11:05 06/29/24 15:27	Analyst MNR MNR	Lab EET MID EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10 mL 1 uL	84587 84622	06/28/24 16:11 06/30/24 01:06	EL SM	EET MID EET MID

Client Sample ID: CS 61

Date Collected: 06/27/24 08:04

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 04:27	CH	EET MID
Total/NA	Analysis	D2216		1			84547	06/28/24 14:01	СН	EET MID

Client Sample ID: CS 61

Date Collected: 06/27/24 08:04

Date Received: 06/28/24 08:44

Percent Solids: 98.6

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			4.99 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 15:47	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 01:26	SM	EET MID

Client Sample ID: CS 16

Date Collected: 06/27/24 08:49

Date Received: 06/28/24 08:44

Lab Sample	EID: 880-45373-18	
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 04:43	СН	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 16 Lab Sample ID: 880-45373-18 Date Collected: 06/27/24 08:49

Matrix: Solid Percent Solids: 99.1

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 16:08	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 01:47	SM	EET MID

Client Sample ID: CS 76 Lab Sample ID: 880-45373-19 Date Collected: 06/27/24 08:51 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 04:48	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Lab Sample ID: 880-45373-19 **Client Sample ID: CS 76**

Date Collected: 06/27/24 08:51 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 97.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 16:29	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 02:06	SM	EET MID

Client Sample ID: CS 71 Lab Sample ID: 880-45373-20 **Matrix: Solid**

Date Collected: 06/27/24 08:53

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 05:04	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Client Sample ID: CS 71 Lab Sample ID: 880-45373-20

Date Collected: 06/27/24 08:53 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	84489	06/28/24 11:05	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84451	06/29/24 16:49	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 03:12	SM	EET MID

Eurofins Midland

Matrix: Solid

Percent Solids: 97.5

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Lab Sample ID: 880-45373-21

Client Sample ID: CS 72 Date Collected: 06/27/24 08:55

Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	84743	07/02/24 05:10	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 72 Lab Sample ID: 880-45373-21

Date Collected: 06/27/24 08:55 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 97.8

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/28/24 23:15	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 03:54	SM	EET MID

Lab Sample ID: 880-45373-22 Client Sample ID: CS 73

Date Collected: 06/27/24 08:57 Date Received: 06/28/24 08:44

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 06/28/24 11:54 Soluble Leach DI Leach 5.00 g 50 mL 84510 SMC EET MID Soluble Analysis 300.0 20 50 mL 50 mL 84743 07/02/24 05:15 **EET MID** СН Total/NA Analysis D2216 1 84548 06/28/24 14:03 СН **EET MID**

Client Sample ID: CS 73 Lab Sample ID: 880-45373-22

Date Collected: 06/27/24 08:57 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.4

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/28/24 23:35	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84587	06/28/24 16:11	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84622	06/30/24 03:34	SM	EET MID

Client Sample ID: CS 69 Lab Sample ID: 880-45373-23

Date Received: 06/28/24 08:44

Date Collected: 06/27/24 08:59

Г	Batch	Batch		Dil	Initial	Final	Batch	Dranarad		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 05:20	СН	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Eurofins Midland

Matrix: Solid

Matrix: Solid

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 69

Date Collected: 06/27/24 08:59

Lab Sample ID: 880-45373-23

Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 98.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/28/24 23:55	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 19:59	SM	EET MID

Lab Sample ID: 880-45373-24

Client Sample ID: CS 14 Date Collected: 06/27/24 09:01 **Matrix: Solid**

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 05:25	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 14 Lab Sample ID: 880-45373-24

Date Collected: 06/27/24 09:01 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 00:16	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 21:00	SM	EET MID

Client Sample ID: CS 88 Lab Sample ID: 880-45373-25 **Matrix: Solid**

Date Collected: 06/27/24 09:03 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84743	07/02/24 05:30	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Client Sample ID: CS 88 Lab Sample ID: 880-45373-25

Date Collected: 06/27/24 09:03 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 00:36	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 21:21	SM	EET MID

Client Sample ID: CS 89

Date Collected: 06/27/24 09:05 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-26

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84510	06/28/24 11:54	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84743	07/02/24 05:36	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 89

Date Collected: 06/27/24 09:05 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-26

Matrix: Solid Percent Solids: 98.5

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 5035 8021B	Run	Dil Factor	Amount 4.99 g 5 mL	Final Amount 5 mL 5 mL	Batch Number 84494 84457	Prepared or Analyzed 06/28/24 11:07 06/29/24 00:57	Analyst MNR MNR	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	84589 84620	06/28/24 16:15 06/30/24 03:54	EL SM	EET MID

Client Sample ID: CS 90

Date Collected: 06/27/24 09:07

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-27

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 06/28/24 11:57 Soluble Leach DI Leach 5.02 g 50 mL 84511 SMC EET MID Soluble Analysis 300.0 5 50 mL 50 mL 84751 07/02/24 14:53 **EET MID** СН

1

Client Sample ID: CS 90

Total/NA

Date Collected: 06/27/24 09:07 Date Received: 06/28/24 08:44

Analysis

D2216

Lab Sample ID: 880-45373-27

СН

06/28/24 14:03

84548

Matrix: Solid

EET MID

Percent Solids: 98.9

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 01:17	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 21:41	SM	EET MID

Client Sample ID: CS 91

Date Collected: 06/27/24 09:09

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-28

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84751	07/02/24 15:11	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 91 Lab Sample ID: 880-45373-28 Date Collected: 06/27/24 09:09

Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 98.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 01:38	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 22:02	SM	EET MID

Client Sample ID: CS 1 Lab Sample ID: 880-45373-29

Date Collected: 06/27/24 09:11 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84751	07/02/24 15:17	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 1 Lab Sample ID: 880-45373-29

Date Collected: 06/27/24 09:11 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.5

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 01:58	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 22:22	SM	EET MID

Client Sample ID: CS 74 Lab Sample ID: 880-45373-30

Date Collected: 06/27/24 09:13 **Matrix: Solid** Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84751	07/02/24 15:23	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Client Sample ID: CS 74 Lab Sample ID: 880-45373-30

Date Collected: 06/27/24 09:13 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.8

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 02:18	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 22:42	SM	EET MID

Client Sample ID: CS 86 Lab Sample ID: 880-45373-31 Date Collected: 06/27/24 09:15

Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84751	07/02/24 15:29	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 86 Lab Sample ID: 880-45373-31

Date Collected: 06/27/24 09:15 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 03:41	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 23:03	SM	EET MID

Lab Sample ID: 880-45373-32 Client Sample ID: CS 101

Date Collected: 06/27/24 09:17 **Matrix: Solid**

Date Received: 06/28/24 08:44

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Soluble Leach DI Leach 4.95 g 50 mL 84511 06/28/24 11:57 SMC EET MID Soluble Analysis 300.0 50 mL 50 mL 84751 07/02/24 15:47 **EET MID** СН Total/NA Analysis D2216 1 84548 06/28/24 14:03 СН **EET MID**

Client Sample ID: CS 101 Lab Sample ID: 880-45373-32

Date Collected: 06/27/24 09:17 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.3

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 04:01	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 23:23	SM	EET MID

Client Sample ID: CS 102 Lab Sample ID: 880-45373-33

Date Collected: 06/27/24 09:19 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		50	50 mL	50 mL	84751	07/02/24 15:53	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Eurofins Midland

Matrix: Solid

Job ID: 880-45373-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 102 Lab Sample ID: 880-45373-33 Date Collected: 06/27/24 09:19

Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 97.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 04:22	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/29/24 23:44	SM	EET MID

Client Sample ID: CS 103 Lab Sample ID: 880-45373-34

Date Collected: 06/27/24 09:21 **Matrix: Solid**

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84751	07/02/24 15:59	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 103 Lab Sample ID: 880-45373-34

Date Collected: 06/27/24 09:21 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 04:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 04:14	SM	EET MID

Client Sample ID: CS 104 Lab Sample ID: 880-45373-35

Date Collected: 06/27/24 09:23 **Matrix: Solid** Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84751	07/02/24 16:05	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	CH	EET MID

Client Sample ID: CS 104 Lab Sample ID: 880-45373-35

Date Collected: 06/27/24 09:23 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 05:02	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 00:25	SM	EET MID

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 12 Lab Sample ID: 880-45373-36 Date Collected: 06/27/24 09:25

Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84751	07/02/24 16:11	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 12 Lab Sample ID: 880-45373-36

Date Collected: 06/27/24 09:25 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.3

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 05:23	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 00:45	SM	EET MID

Client Sample ID: CS 113 Lab Sample ID: 880-45373-37

Date Collected: 06/27/24 09:27 **Matrix: Solid**

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84751	07/02/24 16:17	CH	EET MID
Total/NA	Analysis	D2216		1			84548	06/28/24 14:03	СН	EET MID

Client Sample ID: CS 113 Lab Sample ID: 880-45373-37

Date Collected: 06/27/24 09:27 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.4

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 05:43	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 01:06	SM	EET MID

Client Sample ID: CS 114 Lab Sample ID: 880-45373-38

Date Collected: 06/27/24 09:29 Date Received: 06/28/24 08:44

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84751	07/02/24 16:35	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Eurofins Midland

Matrix: Solid

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Lab Sample ID: 880-45373-38

Matrix: Solid

Percent Solids: 99.1

Client Sample ID: CS 114

Date Collected: 06/27/24 09:29 Date Received: 06/28/24 08:44

	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	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 06:03	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 01:26	SM	EET MID

Client Sample ID: CS 115 Lab Sample ID: 880-45373-39 Date Collected: 06/27/24 09:31 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84751	07/02/24 16:41	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Client Sample ID: CS 115 Lab Sample ID: 880-45373-39

Date Collected: 06/27/24 09:31 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 06:24	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 01:47	SM	EET MID

Client Sample ID: CS 8 Lab Sample ID: 880-45373-40 **Matrix: Solid**

Date Collected: 06/27/24 09:33

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Ty	уре Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84751	07/02/24 17:00	CH	EET MID
Total/N/	A Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: CS 8 Lab Sample ID: 880-45373-40

Date Collected: 06/27/24 09:33 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	84494	06/28/24 11:07	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 06:44	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 02:06	SM	EET MID

Eurofins Midland

Matrix: Solid

Percent Solids: 98.6

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 10

Date Collected: 06/27/24 09:35 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-41

Matrix: Solid

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84751	07/02/24 17:06	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: CS 10

Date Collected: 06/27/24 09:35 Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-41

Matrix: Solid Percent Solids: 98.4

Prep Type Total/NA Total/NA	Batch Type Prep Analysis	Batch Method 5035 8021B	Run	Dil Factor	Amount 5.02 g 5 mL	Final Amount 5 mL 5 mL	Batch Number 84495 84457	Prepared or Analyzed 06/28/24 11:09 06/29/24 09:48	Analyst MNR MNR	Lab EET MID EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.04 g 1 uL	10 mL 1 uL	84589 84620	06/28/24 16:15 06/30/24 03:12	EL SM	EET MID EET MID

Client Sample ID: CS 105

Date Collected: 06/27/24 09:37

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-42

Prepared

Matrix: Solid

								•		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	84751	07/02/24 17:36	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Initial

Final

Batch

Dil

Client Sample ID: CS 105

Date Collected: 06/27/24 09:37

Date Received: 06/28/24 08:44

Batch

Batch

Lab Sample ID: 880-45373-42

Matrix: Solid

Percent Solids: 98.6

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 10:08	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84589	06/28/24 16:15	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84620	06/30/24 03:34	SM	EET MID

Client Sample ID: CS 2

Date Collected: 06/27/24 09:39

Date Received: 06/28/24 08:44

Lab Sample ID	: 880-45373-43
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Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84751	07/02/24 17:12	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Analysis

8015B NM

Client Sample ID: CS 2

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-43 Date Collected: 06/27/24 09:39

Matrix: Solid Percent Solids: 99.1

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 84495 MNR Total/NA Prep 4.95 g 5 mL 06/28/24 11:09 **EET MID** Total/NA Analysis 8021B 1 5 mL 5 mL 84457 06/29/24 10:29 MNR **EET MID** Total/NA Prep 8015NM Prep 10.03 g 10 mL 84594 06/28/24 16:24 EL EET MID

Client Sample ID: CS 124 Lab Sample ID: 880-45373-44 Date Collected: 06/27/24 09:41

1 uL

1 uL

84647

07/01/24 13:01

1

Matrix: Solid

EET MID

SM

Date Received: 06/28/24 08:44

Total/NA

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84751	07/02/24 17:18	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Lab Sample ID: 880-45373-44 Client Sample ID: CS 124

Date Collected: 06/27/24 09:41 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 10:49	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 13:21	SM	EET MID

Client Sample ID: CS 125 Lab Sample ID: 880-45373-45

Date Collected: 06/27/24 09:43 Matrix: Solid Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84511	06/28/24 11:57	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84751	07/02/24 17:24	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Client Sample ID: CS 125 Lab Sample ID: 880-45373-45

Date Collected: 06/27/24 09:43 Matrix: Solid Date Received: 06/28/24 08:44 Percent Solids: 97.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 11:10	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 13:40	SM	EET MID

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 116 Lab Sample ID: 880-45373-46

Date Collected: 06/27/24 09:45 Matrix: Solid Date Received: 06/28/24 08:44

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab DI Leach 84511 SMC Soluble Leach 5.02 g 50 mL 06/28/24 11:57 **EET MID** 300.0 Soluble Analysis 20 50 mL 50 mL 84751 07/02/24 17:30 СН **EET MID** Total/NA Analysis D2216 84558 06/28/24 14:20 СН **EET MID** 1

Client Sample ID: CS 116 Lab Sample ID: 880-45373-46

Date Collected: 06/27/24 09:45 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.2

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 11:30	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 14:00	SM	EET MID

Lab Sample ID: 880-45373-47 Client Sample ID: CS 4

Date Collected: 06/27/24 09:47 **Matrix: Solid**

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84768	07/02/24 10:45	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: CS 4 Lab Sample ID: 880-45373-47

Date Collected: 06/27/24 09:47 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 99.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 11:51	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	84647	07/01/24 16:24	SM	EET MID

Client Sample ID: CS 6 Lab Sample ID: 880-45373-48

Date Collected: 06/27/24 09:49 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84768	07/02/24 11:04	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Eurofins Midland

Matrix: Solid

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: CS 6 Lab Sample ID: 880-45373-48

Date Collected: 06/27/24 09:49 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 12:11	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 14:19	SM	EET MID

Client Sample ID: CS 126 Lab Sample ID: 880-45373-49 Date Collected: 06/27/24 09:51 Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	84768	07/02/24 11:11	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Lab Sample ID: 880-45373-49 Client Sample ID: CS 126

Date Collected: 06/27/24 09:51 **Matrix: Solid** Date Received: 06/28/24 08:44 Percent Solids: 98.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 12:31	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84647	07/01/24 14:38	SM	EET MID

Client Sample ID: CS 131 Lab Sample ID: 880-45373-50 **Matrix: Solid**

Date Collected: 06/27/24 09:53 Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	84768	07/02/24 11:18	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: CS 131 Lab Sample ID: 880-45373-50

Date Collected: 06/27/24 09:53 Date Received: 06/28/24 08:44

	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	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 12:52	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	84594	06/28/24 16:24	EL	EET MID
Total/NA	Analysis	8015B NM		5	1 uL	1 uL	84647	07/01/24 16:43	SM	EET MID

Eurofins Midland

Matrix: Solid

Percent Solids: 99.2

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Client Sample ID: F031H-14A Lab Sample ID: 880-45373-51

Date Collected: 06/27/24 11:54 Date Received: 06/28/24 08:44

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84768	07/02/24 11:24	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: F031H-14A Lab Sample ID: 880-45373-51

Date Collected: 06/27/24 11:54 Date Received: 06/28/24 08:44

Matrix: Solid Percent Solids: 89.8

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Factor Туре Run Amount Amount Number or Analyzed Analyst Lab Total/NA 5035 MNR Prep 4.95 g 5 mL 84495 06/28/24 11:09 **EET MID** Total/NA 84457 MNR Analysis 8021B 5 mL 5 mL 06/29/24 14:15 **EET MID** Total/NA Prep 8015NM Prep 10.06 g 10 mL 84594 06/28/24 16:24 EL **EET MID**

Client Sample ID: F031H-12A Lab Sample ID: 880-45373-52

1

1 uL

1 uL

84647

07/01/24 14:58

Date Collected: 06/27/24 11:59

Analysis

8015B NM

Matrix: Solid

SM

Date Received: 06/28/24 08:44

Total/NA

EET MID

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84768	07/02/24 11:44	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client Sample ID: F031H-12A Lab Sample ID: 880-45373-52

Date Collected: 06/27/24 11:59

Matrix: Solid

Date Received: 06/28/24 08:44 Percent Solids: 94.2

	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	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 14:36	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	84599	06/28/24 16:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84625	06/29/24 21:16	SM	EET MID

Client Sample ID: F031H-11A Lab Sample ID: 880-45373-53

Date Collected: 06/27/24 12:04

Matrix: Solid

Date Received: 06/28/24 08:44

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84768	07/02/24 11:50	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	СН	EET MID

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Client Sample ID: F031H-11A

Date Collected: 06/27/24 12:04 Date Received: 06/28/24 08:44 Lab Sample ID: 880-45373-53

Matrix: Solid

Percent Solids: 92.8

	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	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 14:56	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	84599	06/28/24 16:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84625	06/29/24 21:35	SM	EET MID

Client Sample ID: F031H-3A

Date Collected: 06/27/24 12:09

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-54 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	84514	06/28/24 12:05	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	84768	07/02/24 11:56	CH	EET MID
Total/NA	Analysis	D2216		1			84558	06/28/24 14:20	CH	EET MID

Client Sample ID: F031H-3A

Date Collected: 06/27/24 12:09

Date Received: 06/28/24 08:44

Lab Sample ID: 880-45373-54 **Matrix: Solid**

Percent Solids: 81.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	84495	06/28/24 11:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	84457	06/29/24 15:17	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	84599	06/28/24 16:46	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	84625	06/29/24 21:54	SM	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2 Job ID: 880-45373-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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Method Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	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.

Laboratory References:

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

Sample Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H CTB 2

Job ID: 880-45373-1

2

	Lab Sample ID	Client Sample ID	Matrix	Collected	Received
SB0-45373-3 CS 25	880-45373-1	CS 20	Solid	06/27/24 08:15	06/28/24 08:44
880-45373-4 CS 34 Solid 06/27/24 08:21 06/28/24 08:34 880-45373-5 CS 35 Solid 06/27/24 08:22 06/28/24 08:44 880-45373-6 CS 33 Solid 06/27/24 08:27 06/28/24 08:44 880-45373-7 CS 36 Solid 06/27/24 08:27 06/28/24 08:44 880-45373-9 CS 47 Solid 06/27/24 08:31 06/28/24 08:44 880-45373-10 CS 48 Solid 06/27/24 08:31 06/28/24 08:44 880-45373-12 CS 49 Solid 06/27/24 08:37 06/28/24 08:44 880-45373-13 CS 58 Solid 06/27/24 08:37 06/28/24 08:44 880-45373-14 CS 59 Solid 06/27/24 08:39 06/28/24 08:44 880-45373-15 CS 50 Solid 06/27/24 08:41 06/28/24 08:44 880-45373-16 CS 50 Solid 06/27/24 08:41 06/28/24 08:44 880-45373-17 CS 61 Solid 06/27/24 08:41 06/28/24 08:44 880-45373-19 CS 59 Solid 06/27/24 08:41 06/28/24 08:	880-45373-2	CS 27	Solid	06/27/24 08:17	06/28/24 08:44
September Sept	880-45373-3	CS 25	Solid	06/27/24 08:19	06/28/24 08:44
\$80.45373-6 CS 33 Solid 0627724 08.25 062824 08.44 80.45373-7 CS 36 Solid 0627724 08.27 062824 08.44 80.45373-7 CS 36 Solid 0627724 08.27 062824 08.44 80.45373-7 CS 36 Solid 0627724 08.25 062824 08.44 80.45373-8 CS 47 Solid 0627724 08.23 062824 08.44 80.45373-11 CS 45 Solid 0627724 08.35 062824 08.44 80.45373-11 CS 45 Solid 0627724 08.35 062824 08.44 80.45373-11 CS 49 Solid 0627724 08.35 062824 08.44 80.45373-14 CS 56 Solid 0627724 08.35 062824 08.44 80.45373-15 CS 60 Solid 0627724 08.35 062824 08.44 80.45373-15 CS 60 Solid 0627724 08.35 062824 08.44 80.45373-16 CS 57 Solid 0627724 08.35 062824 08.44 80.45373-16 CS 57 Solid 0627724 08.35 062824 08.44 80.45373-17 CS 61 Solid 0627724 08.35 062824 08.44 80.45373-19 CS 76 Solid 0627724 08.35 062824 08.44 80.45373-19 CS 76 Solid 0627724 08.35 062824 08.44 80.45373-19 CS 76 Solid 0627724 08.35 062824 08.44 80.45373-20 CS 71 Solid 0627724 08.35 062824 08.44 80.45373-20 CS 71 Solid 0627724 08.35 062824 08.44 80.45373-22 CS 73 Solid 0627724 08.35 062824 08.44 80.45373-23 CS 89 Solid 0627724 08.35 062824 08.44 80.45373-25 CS 88 Solid 0627724 08.35 062824 08.44 80.45373-25 CS 88 Solid 0627724 09.37 062824 08.44 80.45373-25 CS 81 Solid 0627724 09.37 062824 08.44 80.45373-32 CS 71 Solid 0627724 09.37 062824 08.44 80.45373-32 CS 71 Solid 0627724 09.37 062824 08.44 80.45373-32 CS 71 Solid 0627724 09.37 062824 08.44 80.45373-35 CS 101 Solid 0627724 09.37 062824 08.44 80.45373-35 CS 102 Solid 0627724 09.37 062824 08.44 80.45373-35 CS 104 Solid 0627724 09.37 062824 08.44 80.4537	880-45373-4	CS 34	Solid	06/27/24 08:21	06/28/24 08:44
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Solid G627724 08:29 G62824 08:44 G62824 08:	880-45373-7				06/28/24 08:44
September Sept					
\$80.45373-10 CS 48 Solid 06271/24 08:33 0628/24 08:44 880.45373-11 CS 45 Solid 06271/24 08:35 0628/24 08:44 880.45373-11 CS 45 Solid 06271/24 08:35 0628/24 08:44 880.45373-13 CS 58 Solid 06271/24 08:39 0628/24 08:44 880.45373-14 CS 59 Solid 06271/24 08:41 0628/24 08:44 880.45373-14 CS 59 Solid 06271/24 08:41 0628/24 08:44 880.45373-16 CS 67 Solid 06271/24 08:45 0628/24 08:44 880.45373-16 CS 67 Solid 06271/24 08:45 0628/24 08:44 880.45373-17 CS 61 Solid 06271/24 08:45 0628/24 08:44 880.45373-17 CS 61 Solid 06271/24 08:45 0628/24 08:44 880.45373-19 CS 76 Solid 06271/24 08:45 0628/24 08:44 880.45373-19 CS 76 Solid 06271/24 08:51 0628/24 08:44 880.45373-19 CS 76 Solid 06271/24 08:51 0628/24 08:44 880.45373-20 CS 71 Solid 06271/24 08:51 0628/24 08:44 880.45373-20 CS 73 Solid 06271/24 08:51 0628/24 08:44 880.45373-22 CS 73 Solid 06271/24 08:57 0628/24 08:44 880.45373-23 CS 69 Solid 06271/24 08:50 0628/24 08:44 880.45373-25 CS 88 Solid 06271/24 09:07 0628/24 08:44 880.45373-25 CS 88 Solid 06271/24 09:07 0628/24 08:44 880.45373-25 CS 88 Solid 06271/24 09:07 0628/24 08:44 880.45373-27 CS 90 Solid 06271/24 09:07 0628/24 08:44 880.45373-27 CS 90 Solid 06271/24 09:07 0628/24 08:44 880.45373-28 CS 91 Solid 06271/24 09:07 0628/24 08:44 880.45373-30 CS 74 Solid 06271/24 09:07 0628/24 08:44 880.45373-30 CS 74 Solid 06271/24 09:07 0628/24 08:44 880.45373-33 CS 102 Solid 06271/24 09:10 0628/24 08:44 880.45373-33 CS 102 Solid 06271/24 09:10 0628/24 08:44 880.45373-33 CS 103 Solid 06271/24 09:13 0628/24 08:44 880.45373-34 CS 103 Solid 06271/24 09:47					
\$80.45373-11 CS 45 Solid 06/27/24 08:35 06/28/24 08:44 880.45373-12 CS 49 Solid 06/27/24 08:37 06/28/24 08:44 880.45373-13 CS 59 Solid 06/27/24 08:39 06/28/24 08:44 880.45373-14 CS 59 Solid 06/27/24 08:41 06/28/24 08:44 880.45373-15 CS 60 Solid 06/27/24 08:43 06/28/24 08:44 880.45373-15 CS 60 Solid 06/27/24 08:44 06/28/24 08:44 880.45373-17 CS 61 Solid 06/27/24 08:44 06/28/24 08:44 880.45373-17 CS 61 Solid 06/27/24 08:49 06/28/24 08:44 880.45373-17 CS 61 Solid 06/27/24 08:49 06/28/24 08:44 880.45373-18 CS 16 Solid 06/27/24 08:49 06/28/24 08:49 880.45373-18 CS 16 Solid 06/27/24 08:49 06/28/24 08:49 880.45373-27 CS 71 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-27 CS 72 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-27 CS 72 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-23 CS 69 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-24 CS 14 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-25 CS 73 Solid 06/27/24 08:50 06/28/24 08:49 880.45373-25 CS 88 Solid 06/27/24 09:01 06/28/24 08:49 880.45373-27 CS 50 Solid 06/27/24 09:01 06/28/24 08:49 880.45373-27 CS 50 Solid 06/27/24 09:01 06/28/24 08:49 880.45373-27 CS 90 Solid 06/27/24 09:01 06/28/24 08:49 880.45373-27 CS 90 Solid 06/27/24 09:07 06/28/24 08:49 880.45373-29 CS 1 Solid 06/27/24 09:07 06/28/24 08:49 880.45373-30 CS 74 Solid 06/27/24 09:09 06/28/24 08:49 880.45373-30 CS 74 Solid 06/27/24 09:09 06/28/24 08:49 880.45373-30 CS 74 Solid 06/27/24 09:09 06/28/24 08:44 Solid 06/27/					
\$80.45373-12 CS 49 Solid 06/27/24 08:37 06/28/24 08:44 08:04 580-45373-13 CS 56 Solid 06/27/24 08:14 0S-59 Solid 06/27/24 08:15 06/28/24 08:14 0S-59 Solid 06/27/24 08:15 0S-69 Solid 06/27/24 08:14 Solid 06/27/24 08:15 0S-69 Solid 06/27/24 08:14 Solid 0					
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1211 W. Florida Ave Midland, TX 79701 Phone: 422 704 5440	C	Chain of Custody Record	ustody R	ecord		Environment Testing
Client Information	Sampler		Lab PM Richter,	M ter, Travis W	Carrier Tracking No(s)	COC No. 880-9852-1380.1
Client Contact Ms. Laura Campbell	Phone		E-Mair Travis	E-Mair Travis.Richter@et.eurofinsus.com	State of Origin:	Page 1 of 6
Company Civil & Environmental Consultants Inc		PWSID.	-		/sis Requested	S 129 # **
Address 700 Cherrington Parkway	Due Date Requested:					Preservation Codes: N - None
City Moon Township	TAT Requested (days):	s):				
State, Zip: PA, 15108	Compliance Project:	∆ Yes ∆ No				
Phone 800-365-2324(Tel)	PO *) 		
Email: campbell@cecinc.com	WO*			No)	880-453	880-45373 Chain of Custody
Project Name Fighting Okra 18 19 31H-CTB2	Project # 88001737			oride	talne	
Site	SSOW#			D - Chi	of con	Other:
			le Matrix (W-water.	Filtered S PTM MS/M PRGFM_28 WOD_NM - I 3 - BTEX TURE_2544	Number	
Sample Identification	Sample Date	Time G=grab)	87.	300_ 8015 8021	Tota	Special Instructions/Note:
			Preservation Code:	XXZZZZZ	×	
CS 20	API PIN	3	Solid	>		
FC 27	7	0 4.8	Solid	XXXX		
CS 2S	11	5.19 C	Solid	XXX		
CS 34	"		Solid	XXXX		
CS 35	11	5330	Solid	XXXX		
cs 33	11		Solid	XXXX		
CS 36		5,77 C	Solid	XXX		
CS 38	11	5.30	Solid	× × × ×		
CS 47	1.	0 16.8	Solid	× × ×		
CS 48	, 11	8:33 C	Solid	XXXX		
CS 45	11	8:85 C	Solid	XXXX		
Possible Hazard Identification Non-Hazard Flammable Skin Irritant	□ Poison B □ Unknown		gical	Sample Disposal (A fee may be a	may be assessed if samples are retained longer than 1 month) Disposal By Lab Archive For Mon	tained longer than 1 month) Archive For Months
ested: I, II, III, IV, Other				Requireme		
Empty Kit Relinquished by:	o	Date:		Time:	Method of Shipment	
Relinquished by ${\cal M}{\cal M}$	Pare/firme Date/firme	17:40	Company	Received by:	Date/Ime:	7.40 Company
Relinquished by:	Date/Time		Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:		Company	Received by	Date/Time:	Company
Custody Seals Intact: Custody Seal No.:				Cooler Temperature(s) °C and Other Remarks	marks: 3.2/3.1	
						Ver: 04/02/2024

Proje (c)	Chain of Custody quested: [ed (days): Project: A Yes A No Project: A Yes A No Matr Tune Matr Tune	Chain of Custody Record Lab PM: Richter, Travis W E-Mail: Travis Richter@et. eurofinsus Bample (Yes or No) BD - Chloride - Full TPH 40G - Local Method	Chain of Custody Record Lab PM: Richter, Travis W E-Mail: Travis Richter@et.eurofinsus.com Project: A Yes A No Project: A Yes A No Analysis Req Analysis Req Sample (C=comp. Covasalvol. D. O.	kway 31H-CTB2	W. Florida Ave nd, TX 79701 s: 432-704-5440 s: 432-704-5440 It Information Indicat aura Campbell aura Campbell for Environmental Consultants Inc s herrington Parkway Township Township Township
	Lab PM: Richter, 1 F-Mail: Travis, Richter, 1 Iltered Sample (Yes or No)	- Full TPH 40G - Local Method	ISMOD_NM - Full TPH 21B - BTEX DISTURE_2540G - Local Method Analysis Req	quested: ted (days): Project: \(\Delta \text{ Yes} \) \(\Delta \) Project: \(\Delta \text{ Yes} \) \(\Delta \)	Chain of Cu
OD_NM - Full TPH - BTEX URE_2540G - Local Method Analysis Requested State of Origin: Number of containers	Requested Requested Requested	r of containers		Job #: 4637 3 Preservation Codes: N-None	CCC No. 880-9852-1380.2 Page Page 2 of 5 Job # 45373 Preservation Codes: N - None

01004	quested	Analysis Rec			nvironmental Consultants Inc
#116777	Job		PWSID		
Page 3 of S	Pa	Travis Richter@et.eurofinsus.com	Tra		ra Campbell
Page	State of Origin: Pay	E-Mail:	F-3	Phone:	tact
880-9852-1380.3	88	Richter, Travis W	Ric		Information
CÓC No.	Carrier Tracking No(s): CO	Lab PM	Lat	Sampler	
					432-704-5440
Environment Testing			Citation of Carolina		TX 79701
eurofins		Record	Chain of Custody Record		Florida Ave
					ins Midland

Pwsid: Sample Type (C=comp, G=grab) Preserva	Sample Sample (Wester Gegrab) Striffson. Time Gegrab) Striffson. Preservation Coc Soli 2:05 C Soli	Sample Sample (Yes or No) Perform M3/MSD (Yes or No) Perform M3/MSD (Yes or No) Perform M3/MSD (Yes or No) Solid Solid Solid N Solid So	PWSID: Sample Sample (Wereal Cecomp. Consult Consult Cecomp. Cecomp. Consult Cecomp.
	Lab PM. Richter, Tra Richter, Tra Richter, Tra E-Mail Travis Richt Travis Richt Solid	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Z 300_ORGFM_28D - Chloride Z 8015MOD_NM - Full TPH Z 8021B - BTEX MOISTURE_2540G - Local Method	Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) Z 300_ORGFM_28D - Chloride Z 8015MOD_NM - Full TPH Z 8021B - BTEX MOISTURE_2540G - Local Method Analysis Req

H-CTB2 BROOT/37 Sample Date Time G-grab) Freservation Code: F	Phone: 432-704-5440 Client Information Client Contact Ms. Laura Campbell Company Civil & Environmental Consultants Inc Address 700 Cherrington Parkway City Moon Township State, Zip: PA, 15108 Phone 800-365-2324(Tel) Email: Icampbell@cecinc.com	Proje (c	Lab PM Richter, Travis \ Richter, Travis \ E-Mail: Travis Richter@ PWSID: PWS)et.eurofins	Carrier Tracking No(s). State of Origin: S Requested	
Sample Matrix Type ("mease Solid X	Project Name Fighting Okra 18 19 31H-CTB2 Site:	Project # 88001737 SSOW#		D - Chloride		
Company Company Received to a Code: No.	Sample Identification			Perform MS/MS 300_ORGFM_28D		
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Sampler: Chain of Custody F Chain of Custody F Ric Ric Phone: PWSID: PWSID: Transplance Project: A Yes A No Poject #: 88001737 SSOW# Sample Date Time Sample G-grably Bir-Transplance Sample Corporation Conde	Chain of Custody Record Lab PM. Richter, Travis W E-Mail: Travis Richter@et eurofinsus.com Project: A Yes or No) wm M8/MSD (Yes or No) RGFM_28D - Chloride MOD_NM - Full TPH 3- BTEX TURE_2540G - Local Method
	MOD_NM - Full TPH 3 - BTEX TURE_2540G - Local Method Analysis
Carmer Tracking No(s) Coc No 880-9852-1380.5 Page Page 5 one 5 N- None Preservation Codes N- None Other:	COC No 880-9852-1380.5 Page 5 of 5 Job # UF 3 N- None Other:

7/5/2024

Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc Job Number: 880-45373-1

Login Number: 45373 List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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.	True	
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	

c 303 0j 370

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 11/18/2024 9:50:00 AM Revision 1

JOB DESCRIPTION

Fighting Okra 18 19 31H-CTB2

JOB NUMBER

880-49314-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 11/18/2024 9:50:00 AM Revision 1

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216 •

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Laboratory Job ID: 880-49314-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	18
QC Sample Results	20
QC Association Summary	25
Lab Chronicle	30
Certification Summary	38
Method Summary	39
Sample Summary	40
Chain of Custody	41
Receint Checklists	43

3

4

5

7

9

10

12

13

114

Definitions/Glossary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Qualifiers

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GU	· V	U,	А

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

GC Semi VOA

Qualifier	Qualifier Description
В	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary	
Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Coloulated

Not Calculated NC

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)

RLReporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Case Narrative

Client: Civil & Environmental Consultants Inc

Project: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Job ID: 880-49314-1 Eurofins Midland

Job Narrative 880-49314-1

REVISION

The report being provided is a revision of the original report sent on 10/16/2024. The report (revision 1) is being revised due to Sample ID was incorrect on the original report. Reported ID did not match the COC..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The samples were received on 10/3/2024 8:30 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 2.6°C.

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92318 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following sample was outside control limits: CS-89a (880-49314-18). 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.

Diesel Range Organics

Method 8015MOD_NM: The method blank for preparation batch 880-92457 and analytical batch 880-92490 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92457/2-A) and (LCSD 880-92457/3-A). Percent recoveries are based on the amount spiked.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-92462 and analytical batch 880-92497 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

General Chemistry

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

Eurofins Midland

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Client Sample ID: North Wall

Date Collected: 10/01/24 11:57

Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-1

Matrix: Solid

Percent Solids: 93.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00149	U	0.00213	0.00149	mg/Kg	<u></u>	10/03/24 10:32	10/05/24 03:58	1
Toluene	< 0.00213	U	0.00213	0.00213	mg/Kg	☼	10/03/24 10:32	10/05/24 03:58	1
Ethylbenzene	<0.00116	U	0.00213	0.00116	mg/Kg	☼	10/03/24 10:32	10/05/24 03:58	1
m-Xylene & p-Xylene	<0.00244	U	0.00427	0.00244	mg/Kg	₩	10/03/24 10:32	10/05/24 03:58	1
o-Xylene	< 0.00169	U	0.00213	0.00169	mg/Kg	☼	10/03/24 10:32	10/05/24 03:58	1
Xylenes, Total	<0.00244	U	0.00427	0.00244	mg/Kg	☼	10/03/24 10:32	10/05/24 03:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/03/24 10:32	10/05/24 03:58	1

101 70 - 130 1,4-Difluorobenzene (Surr) 10/03/24 10:32 10/05/24 03:58

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier **MDL** Unit D Prepared Analyzed 10/03/24 09:59 Gasoline Range Organics <15.5 U 53.3 15.5 mg/Kg 10/04/24 17:40 (GRO)-C6-C10 53.3 10/03/24 09:59 10/04/24 17:40 Diesel Range Organics (Over <16.1 U 16.1 mg/Kg C10-C28) Oil Range Organics (Over C28-C36) <16.1 U 53.3 16.1 mg/Kg 10/03/24 09:59 10/04/24 17:40

Limits Prepared Dil Fac Surrogate %Recovery Qualifier Analyzed 10/03/24 09:59 10/04/24 17:40 1-Chlorooctane 101 70 - 130 o-Terphenyl 103 70 - 130 10/03/24 09:59 10/04/24 17:40

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier **MDL** Unit D Dil Fac Analyte Prepared Analyzed - 26.4 10/05/24 00:31 **Chloride** 2700 F1 2.09 mg/Kg

Lab Sample ID: 880-49314-2 **Client Sample ID: South Wall** Date Collected: 10/01/24 12:00 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 94.9

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00146	U	0.00210	0.00146	mg/Kg	-	10/03/24 10:32	10/05/24 04:18	1
Toluene	<0.00210	U	0.00210	0.00210	mg/Kg	☼	10/03/24 10:32	10/05/24 04:18	1
Ethylbenzene	< 0.00114	U	0.00210	0.00114	mg/Kg	☼	10/03/24 10:32	10/05/24 04:18	1
m-Xylene & p-Xylene	<0.00240	U	0.00420	0.00240	mg/Kg	₩	10/03/24 10:32	10/05/24 04:18	1
o-Xylene	<0.00166	U	0.00210	0.00166	mg/Kg	☼	10/03/24 10:32	10/05/24 04:18	1
Xylenes, Total	<0.00240	U	0.00420	0.00240	mg/Kg	₩	10/03/24 10:32	10/05/24 04:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/03/24 10:32	10/05/24 04:18	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<15.2	U	52.5	15.2	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 18:26	1	
Diesel Range Organics (Over C10-C28)	<15.9	U	52.5	15.9	mg/Kg	₩	10/03/24 09:59	10/04/24 18:26	1	
Oil Range Organics (Over C28-C36)	<15.9	U	52.5	15.9	mg/Kg	₩	10/03/24 09:59	10/04/24 18:26	1	

70 - 130

100

Eurofins Midland

10/03/24 10:32 10/05/24 04:18

Dil Fac

1,4-Difluorobenzene (Surr)

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: South Wall Lab Sample ID: 880-49314-2

Date Collected: 10/01/24 12:00 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 94.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	10/03/24 09:59	10/04/24 18:26	1
o-Terphenyl	96		70 - 130	10/03/24 09:59	10/04/24 18:26	1

Method: EPA 300.0 - Anions, lo									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	579		5.26	0.415	mg/Kg	<u></u>		10/05/24 00:50	1

Client Sample ID: CS-35a Lab Sample ID: 880-49314-3

Date Collected: 10/01/24 12:37 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 97.1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00144	U	0.00206	0.00144	mg/Kg	<u></u>	10/03/24 10:32	10/05/24 04:39	1
Toluene	<0.00206	U	0.00206	0.00206	mg/Kg	₩	10/03/24 10:32	10/05/24 04:39	1
Ethylbenzene	< 0.00112	U	0.00206	0.00112	mg/Kg	₩	10/03/24 10:32	10/05/24 04:39	1
m-Xylene & p-Xylene	<0.00236	U	0.00413	0.00236	mg/Kg	₩	10/03/24 10:32	10/05/24 04:39	1
o-Xylene	< 0.00163	U	0.00206	0.00163	mg/Kg	₩	10/03/24 10:32	10/05/24 04:39	1
Xylenes, Total	<0.00236	U	0.00413	0.00236	mg/Kg	☼	10/03/24 10:32	10/05/24 04:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				10/03/24 10:32	10/05/24 04:39	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 10:32	10/05/24 04:39	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)												
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac			
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	51.2	14.9	mg/Kg	— <u></u>	10/03/24 09:59	10/04/24 18:41	1			
Diesel Range Organics (Over C10-C28)	<15.5	U	51.2	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 18:41	1			
Oil Range Organics (Over C28-C36)	<15.5	U	51.2	15.5	mg/Kg	₽	10/03/24 09:59	10/04/24 18:41	1			
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac			
1-Chlorooctane	105		70 - 130				10/03/24 09:59	10/04/24 18:41	1			
o-Terphenyl	104		70 - 130				10/03/24 09:59	10/04/24 18:41	1			

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3500		26.0	2.05	mg/Kg	*		10/05/24 00:56	5	

Client Sample ID: CS-36a Lab Sample ID: 880-49314-4 Date Collected: 10/01/24 12:39 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 96.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00206	0.00143	mg/Kg	<u></u>	10/03/24 10:32	10/05/24 04:59	1
Toluene	<0.00206	U	0.00206	0.00206	mg/Kg	₩	10/03/24 10:32	10/05/24 04:59	1
Ethylbenzene	<0.00112	U	0.00206	0.00112	mg/Kg	₩	10/03/24 10:32	10/05/24 04:59	1
m-Xylene & p-Xylene	<0.00235	U	0.00412	0.00235	mg/Kg	₩	10/03/24 10:32	10/05/24 04:59	1
o-Xylene	< 0.00163	U	0.00206	0.00163	mg/Kg	₩	10/03/24 10:32	10/05/24 04:59	1
Xylenes, Total	< 0.00235	U	0.00412	0.00235	mg/Kg	₩	10/03/24 10:32	10/05/24 04:59	1

Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Client Sample ID: CS-36a Date Collected: 10/01/24 12:39

Lab Sample ID: 880-49314-4 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 96.7

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107	70 - 130	10/03/24 10:32	10/05/24 04:59	1
1,4-Difluorobenzene (Surr)	101	70 - 130	10/03/24 10:32	10/05/24 04:59	1

	, ,	-,			,	
4-Bromofluorobenzene (Surr)	107		70 - 130	10/03/24 10:32	10/05/24 04:59	1
1,4-Difluorobenzene (Surr)	101		70 - 130	10/03/24 10:32	2 10/05/24 04:59	1
Mothod: CMO4C 004ED NM D	ianal Danas	0	(DDO) (CC	,		

Method: SW846 8015B NM - [Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	51.5	15.0	mg/Kg	₽	10/03/24 09:59	10/04/24 18:57	1
Diesel Range Organics (Over C10-C28)	43.7	JB	51.5	15.6	mg/Kg	₽	10/03/24 09:59	10/04/24 18:57	1
Oil Range Organics (Over C28-C36)	<15.6	U	51.5	15.6	mg/Kg	₩	10/03/24 09:59	10/04/24 18:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/03/24 09:59	10/04/24 18:57	1
o-Terphenyl	106		70 - 130				10/03/24 09:59	10/04/24 18:57	1

Method: EPA 300.0 - Anions, lo	on Chromat	tography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3270		25.8	2.03	mg/Kg	☆		10/05/24 01:03	5

Lab Sample ID: 880-49314-5 Client Sample ID: CS-58a Date Collected: 10/01/24 12:42 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 94.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00146	U	0.00210	0.00146	mg/Kg	-	10/03/24 10:32	10/05/24 05:20	1
Toluene	<0.00210	U	0.00210	0.00210	mg/Kg	☼	10/03/24 10:32	10/05/24 05:20	1
Ethylbenzene	< 0.00114	U	0.00210	0.00114	mg/Kg	☼	10/03/24 10:32	10/05/24 05:20	1
m-Xylene & p-Xylene	<0.00240	U	0.00420	0.00240	mg/Kg	₩	10/03/24 10:32	10/05/24 05:20	1
o-Xylene	< 0.00166	U	0.00210	0.00166	mg/Kg	☼	10/03/24 10:32	10/05/24 05:20	1
Xylenes, Total	<0.00240	U	0.00420	0.00240	mg/Kg	₩	10/03/24 10:32	10/05/24 05:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 10:32	10/05/24 05:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 10:32	10/05/24 05:20	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 10:32	10/05/24 05:20	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 10:32	10/05/24 05:20	1
- Method: SW846 8015B NM - [Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.3	U	52.8	15.3	mg/Kg	*	10/03/24 09:59	10/04/24 19:11	1
Diesel Range Organics (Over C10-C28)	45.8	JB	52.8	16.0	mg/Kg	₩	10/03/24 09:59	10/04/24 19:11	1
Oil Range Organics (Over C28-C36)	<16.0	U	52.8	16.0	mg/Kg	≎	10/03/24 09:59	10/04/24 19:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				10/03/24 09:59	10/04/24 19:11	1
o-Terphenyl	109		70 - 130				10/03/24 09:59	10/04/24 19:11	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3300		26.6	2.10	mg/Kg	<u></u>		10/05/24 01:09	5

Consultants Inc Job ID: 880-49314-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-60a Lab Sample ID: 880-49314-6

Date Collected: 10/01/24 12:45

Date Received: 10/03/24 08:30

Matrix: Solid
Percent Solids: 97.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	<u></u>	10/03/24 10:32	10/05/24 05:40	1
Toluene	< 0.00205	U	0.00205	0.00205	mg/Kg	₩	10/03/24 10:32	10/05/24 05:40	1
Ethylbenzene	< 0.00112	U	0.00205	0.00112	mg/Kg	₩	10/03/24 10:32	10/05/24 05:40	1
m-Xylene & p-Xylene	<0.00235	U	0.00411	0.00235	mg/Kg	₩	10/03/24 10:32	10/05/24 05:40	1
o-Xylene	< 0.00163	U	0.00205	0.00163	mg/Kg	₩	10/03/24 10:32	10/05/24 05:40	1
Xylenes, Total	<0.00235	U	0.00411	0.00235	mg/Kg	≎	10/03/24 10:32	10/05/24 05:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/03/24 10:32	10/05/24 05:40	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 10:32	10/05/24 05:40	1
- Method: SW846 8015B NM	- Diesel Range	Organics	(DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	51.4	14.9	mg/Kg	-	10/03/24 09:59	10/04/24 19:26	1

Method. Strotto do ISB Min - B	riesei italiye	, Organics	(DIXO) (GG)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	51.4	14.9	mg/Kg	*	10/03/24 09:59	10/04/24 19:26	1
Diesel Range Organics (Over C10-C28)	22.2	JB	51.4	15.6	mg/Kg	₩	10/03/24 09:59	10/04/24 19:26	1
Oil Range Organics (Over C28-C36)	<15.6	U	51.4	15.6	mg/Kg	☼	10/03/24 09:59	10/04/24 19:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				10/03/24 09:59	10/04/24 19:26	1
o-Terphenyl	115		70 - 130				10/03/24 09:59	10/04/24 19:26	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1070		5.11	0.404	mg/Kg	*		10/05/24 01:29	1

 Client Sample ID: CS-76a
 Lab Sample ID: 880-49314-7

 Date Collected: 10/01/24 12:48
 Matrix: Solid

 Date Received: 10/03/24 08:30
 Percent Solids: 92.9

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00151	U	0.00217	0.00151	mg/Kg	₽	10/03/24 10:32	10/05/24 06:01	1
Toluene	< 0.00217	U	0.00217	0.00217	mg/Kg	₩	10/03/24 10:32	10/05/24 06:01	1
Ethylbenzene	<0.00118	U	0.00217	0.00118	mg/Kg	₩	10/03/24 10:32	10/05/24 06:01	1
m-Xylene & p-Xylene	<0.00248	U	0.00434	0.00248	mg/Kg	₩	10/03/24 10:32	10/05/24 06:01	1
o-Xylene	< 0.00172	U	0.00217	0.00172	mg/Kg	₩	10/03/24 10:32	10/05/24 06:01	1
Xylenes, Total	<0.00248	U	0.00434	0.00248	mg/Kg	≎	10/03/24 10:32	10/05/24 06:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/03/24 10:32	10/05/24 06:01	1
1 4-Difluorobenzene (Surr)	102		70 - 130				10/03/24 10:32	10/05/24 06:01	1

Method: SW846 8015B NM - Die	esel Range	Organics ((DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.6	U	53.7	15.6	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 19:41	1
Diesel Range Organics (Over C10-C28)	20.1	JB	53.7	16.3	mg/Kg	₽	10/03/24 09:59	10/04/24 19:41	1
Oil Range Organics (Over C28-C36)	<16.3	U	53.7	16.3	mg/Kg	₩	10/03/24 09:59	10/04/24 19:41	1

Eurofins Midland

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Job ID: 880-49314-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-76a Lab Sample ID: 880-49314-7

Date Collected: 10/01/24 12:48 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 92.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	10/03/24 09:59	10/04/24 19:41	1
o-Terphenyl	121		70 - 130	10/03/24 09:59	10/04/24 19:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	320		5.34	0.422	mg/Kg	*		10/05/24 01:35	1

Client Sample ID: CS-102a Lab Sample ID: 880-49314-8 Date Collected: 10/01/24 12:51 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 92.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00151	U	0.00217	0.00151	mg/Kg	-	10/03/24 10:32	10/05/24 06:21	1
Toluene	< 0.00217	U	0.00217	0.00217	mg/Kg	₩	10/03/24 10:32	10/05/24 06:21	1
Ethylbenzene	<0.00118	U	0.00217	0.00118	mg/Kg	₩	10/03/24 10:32	10/05/24 06:21	1
m-Xylene & p-Xylene	<0.00248	U	0.00434	0.00248	mg/Kg	₩	10/03/24 10:32	10/05/24 06:21	1
o-Xylene	< 0.00172	U	0.00217	0.00172	mg/Kg	₩	10/03/24 10:32	10/05/24 06:21	1
Xylenes, Total	<0.00248	U	0.00434	0.00248	mg/Kg	₩	10/03/24 10:32	10/05/24 06:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				10/03/24 10:32	10/05/24 06:21	1
1,4-Difluorobenzene (Surr)	100		70 - 130				10/03/24 10:32	10/05/24 06:21	1

Method: SW846 8015B NM - D Analyte	_	Qualifier	RL (DRO)	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.7	U	53.9	15.7	mg/Kg	-	10/03/24 09:59	10/04/24 19:57	1
Diesel Range Organics (Over C10-C28)	70.9	В	53.9	16.3	mg/Kg	₩	10/03/24 09:59	10/04/24 19:57	1
Oil Range Organics (Over C28-C36)	<16.3	U	53.9	16.3	mg/Kg	₽	10/03/24 09:59	10/04/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/03/24 09:59	10/04/24 19:57	1
o-Terphenyl	105		70 - 130				10/03/24 09:59	10/04/24 19:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	1470		27.2	2.15	mg/Kg	*		10/05/24 01:41	5

Client Sample ID: CS-10a Lab Sample ID: 880-49314-9 Date Collected: 10/01/24 12:55 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 96.4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00144	U	0.00207	0.00144	mg/Kg	₩	10/03/24 10:32	10/05/24 06:42	1
Toluene	<0.00207	U	0.00207	0.00207	mg/Kg	₩	10/03/24 10:32	10/05/24 06:42	1
Ethylbenzene	< 0.00113	U	0.00207	0.00113	mg/Kg	₩	10/03/24 10:32	10/05/24 06:42	1
m-Xylene & p-Xylene	<0.00236	U	0.00413	0.00236	mg/Kg	₩	10/03/24 10:32	10/05/24 06:42	1
o-Xylene	< 0.00164	U	0.00207	0.00164	mg/Kg	₩	10/03/24 10:32	10/05/24 06:42	1
Xylenes, Total	< 0.00236	U	0.00413	0.00236	mg/Kg	≎	10/03/24 10:32	10/05/24 06:42	1

Client Sample ID: CS-10a

Date Collected: 10/01/24 12:55

o-Terphenyl

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Lab Sample ID: 880-49314-9

10/03/24 09:59 10/04/24 20:11

Matrix: Solid

Date Received: 10/03/24 08:30				Percent Solid	ds: 96.4
I					
Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	10/03/24 10:32	10/05/24 06:42	1
1,4-Difluorobenzene (Surr)	100		70 - 130	10/03/24 10:32	10/05/24 06:42	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	51.7	15.0	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 20:11	1
Diesel Range Organics (Over C10-C28)	<15.6	U	51.7	15.6	mg/Kg	₩	10/03/24 09:59	10/04/24 20:11	1
Oil Range Organics (Over C28-C36)	<15.6	U	51.7	15.6	mg/Kg	₩	10/03/24 09:59	10/04/24 20:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				10/03/24 09:59	10/04/24 20:11	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		5.15	0.407	mg/Kg	<u></u>		10/05/24 01:48	1

70 - 130

100

Lab Sample ID: 880-49314-10 Client Sample ID: CS-105a Date Collected: 10/01/24 12:58 **Matrix: Solid**

Date Received: 10/03/24 08:30 **Percent Solids: 97.3**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00144	U	0.00207	0.00144	mg/Kg	<u></u>	10/03/24 10:32	10/05/24 07:02	1
Toluene	< 0.00207	U	0.00207	0.00207	mg/Kg	≎	10/03/24 10:32	10/05/24 07:02	1
Ethylbenzene	< 0.00113	U	0.00207	0.00113	mg/Kg	≎	10/03/24 10:32	10/05/24 07:02	1
m-Xylene & p-Xylene	<0.00236	U	0.00414	0.00236	mg/Kg	₩	10/03/24 10:32	10/05/24 07:02	1
o-Xylene	< 0.00164	U	0.00207	0.00164	mg/Kg	₩	10/03/24 10:32	10/05/24 07:02	1
Xylenes, Total	<0.00236	U	0.00414	0.00236	mg/Kg	≎	10/03/24 10:32	10/05/24 07:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 10:32	10/05/24 07:02	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/03/24 10:32	10/05/24 07:02	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 10:32	10/05/24 07:02	1
1,4-Difluorobenzene (Surr)	88		70 - 130				10/03/24 10:32	10/05/24 07:02	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	51.1	14.9	mg/Kg	— <u> </u>	10/03/24 09:59	10/04/24 20:26	1
Diesel Range Organics (Over C10-C28)	<15.5	U	51.1	15.5	mg/Kg	₽	10/03/24 09:59	10/04/24 20:26	1
Oil Range Organics (Over C28-C36)	<15.5	U	51.1	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 20:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				10/03/24 09:59	10/04/24 20:26	1
o-Terphenyl	98		70 - 130				10/03/24 09:59	10/04/24 20:26	1
Method: EPA 300.0 - Anions,	lon Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1480		25.6	2.02	mg/Kg	-		10/05/24 01:54	5

Client Sample ID: CS-116a Date Collected: 10/01/24 13:00

Date Received: 10/03/24 08:30

Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Lab Sample ID: 880-49314-11

Matrix: Solid

Percent Solids: 97.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00206	0.00143	mg/Kg	<u></u>	10/03/24 12:09	10/03/24 15:20	1
Toluene	<0.00206	U	0.00206	0.00206	mg/Kg	☼	10/03/24 12:09	10/03/24 15:20	1
Ethylbenzene	< 0.00112	U	0.00206	0.00112	mg/Kg	₩	10/03/24 12:09	10/03/24 15:20	1
m-Xylene & p-Xylene	<0.00235	U	0.00412	0.00235	mg/Kg	☼	10/03/24 12:09	10/03/24 15:20	1
o-Xylene	< 0.00163	U	0.00206	0.00163	mg/Kg	₩	10/03/24 12:09	10/03/24 15:20	1
Xylenes, Total	<0.00235	U	0.00412	0.00235	mg/Kg	₽	10/03/24 12:09	10/03/24 15:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 12:09	10/03/24 15:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 12:09	10/03/24 15:20	1

Method: SW846 8015B NM - I									
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	51.1	14.9	mg/Kg	*	10/03/24 09:59	10/04/24 20:56	1
Diesel Range Organics (Over C10-C28)	<15.5	U	51.1	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 20:56	1
Oil Range Organics (Over C28-C36)	<15.5	U	51.1	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 20:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				10/03/24 09:59	10/04/24 20:56	1
o-Terphenyl	98		70 - 130				10/03/24 09:59	10/04/24 20:56	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200	F1	25.6	2.02	mg/Kg	*		10/05/24 02:01	5

Lab Sample ID: 880-49314-12 **Client Sample ID: CS-131a** Date Collected: 10/01/24 13:05 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 98.0

Method: SW846 8021B - Vo	olatile Organic	Compoun	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00205	0.00143	mg/Kg	☆	10/03/24 12:09	10/03/24 15:41	1
Toluene	< 0.00205	U	0.00205	0.00205	mg/Kg	₩	10/03/24 12:09	10/03/24 15:41	1
Ethylbenzene	<0.00112	U	0.00205	0.00112	mg/Kg	₩	10/03/24 12:09	10/03/24 15:41	1
m-Xylene & p-Xylene	<0.00234	U	0.00410	0.00234	mg/Kg	₩	10/03/24 12:09	10/03/24 15:41	1
o-Xylene	< 0.00162	U	0.00205	0.00162	mg/Kg	₽	10/03/24 12:09	10/03/24 15:41	1
Xylenes, Total	<0.00234	U	0.00410	0.00234	mg/Kg	≎	10/03/24 12:09	10/03/24 15:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130				10/03/24 12:09	10/03/24 15:41	1
1,4-Difluorobenzene (Surr)	96		70 - 130				10/03/24 12:09	10/03/24 15:41	1

Method: SW846 8015B NM - Di	esel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.7	U	50.7	14.7	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 21:11	1
Diesel Range Organics (Over C10-C28)	69.3	В	50.7	15.4	mg/Kg	₩	10/03/24 09:59	10/04/24 21:11	1
Oil Range Organics (Over C28-C36)	<15.4	U	50.7	15.4	mg/Kg	₩	10/03/24 09:59	10/04/24 21:11	1

Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

Client Sample ID: CS-131a

Lab Sample ID: 880-49314-12

Date Collected: 10/01/24 13:05 Date Received: 10/03/24 08:30 Matrix: Solid Percent Solids: 98.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	10/03/24 09:59	10/04/24 21:11	1
o-Terphenyl	110		70 - 130	10/03/24 09:59	10/04/24 21:11	1

5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

7

Client Sample ID: CS-69a Lab Sample ID: 880-49314-13

Date Collected: 10/01/24 13:10 Matrix: Solid
Date Received: 10/03/24 08:30 Percent Solids: 95.5

9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00145	U	0.00209	0.00145	mg/Kg	-	10/03/24 12:09	10/03/24 16:01	1
Toluene	<0.00209	U	0.00209	0.00209	mg/Kg	₩	10/03/24 12:09	10/03/24 16:01	1
Ethylbenzene	<0.00114	U	0.00209	0.00114	mg/Kg	₩	10/03/24 12:09	10/03/24 16:01	1
m-Xylene & p-Xylene	<0.00238	U	0.00417	0.00238	mg/Kg	₩	10/03/24 12:09	10/03/24 16:01	1
o-Xylene	< 0.00165	U	0.00209	0.00165	mg/Kg	₩	10/03/24 12:09	10/03/24 16:01	1
Xylenes, Total	<0.00238	U	0.00417	0.00238	mg/Kg	₽	10/03/24 12:09	10/03/24 16:01	1
Surrogate	%Recovery	Qualifier	l imits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	10/03/24 12:09	10/03/24 16:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130	10/03/24 12:09	10/03/24 16:01	1

12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.2	U	52.4	15.2	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 21:26	1
Diesel Range Organics (Over C10-C28)	40.3	JB	52.4	15.8	mg/Kg	☼	10/03/24 09:59	10/04/24 21:26	1
Oil Range Organics (Over C28-C36)	<15.8	U	52.4	15.8	mg/Kg	☼	10/03/24 09:59	10/04/24 21:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4 Oblama a stama			70 400				40/02/04 00-50	40/04/04 04:00	

ı	Gurrogute	/or tocovery	Qualifici	Liiiito	Trepareu	Analyzea	Dir r ac
	1-Chlorooctane	115		70 - 130	10/03/24 09:59	10/04/24 21:26	1
	o-Terphenyl	117		70 - 130	10/03/24 09:59	10/04/24 21:26	1
ĺ	_						

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride375026.32.08mg/Kg\$\alpha\$10/05/24 02:265

 Client Sample ID: CS-71a
 Lab Sample ID: 880-49314-14

 Date Collected: 10/01/24 13:12
 Matrix: Solid

 Date Received: 10/03/24 08:30
 Percent Solids: 93.7

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

method: SW846 8021B - volatile Organic Compounds (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00149	U	0.00214	0.00149	mg/Kg	*	10/03/24 12:09	10/03/24 16:22	1
	Toluene	< 0.00214	U	0.00214	0.00214	mg/Kg	₩	10/03/24 12:09	10/03/24 16:22	1
	Ethylbenzene	<0.00116	U	0.00214	0.00116	mg/Kg	≎	10/03/24 12:09	10/03/24 16:22	1
	m-Xylene & p-Xylene	<0.00244	U	0.00428	0.00244	mg/Kg	₩	10/03/24 12:09	10/03/24 16:22	1
	o-Xylene	< 0.00169	U	0.00214	0.00169	mg/Kg	≎	10/03/24 12:09	10/03/24 16:22	1
	Xylenes, Total	< 0.00244	U	0.00428	0.00244	mg/Kg	₩	10/03/24 12:09	10/03/24 16:22	1

Job ID: 880-49314-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-71a

Date Collected: 10/01/24 13:12 Date Received: 10/03/24 08:30

o-Terphenyl

Lab Sample ID: 880-49314-14

10/03/24 09:59 10/04/24 21:40

Matrix: Solid

Percent Solids: 93.7

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	4-Bromofluorobenzene (Surr)	110		70 - 130	10/03/24 12:09	10/03/24 16:22	1
l	1,4-Difluorobenzene (Surr)	106		70 - 130	10/03/24 12:09	10/03/24 16:22	1

Method: SW846 8015B NM - [Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.5	U	53.3	15.5	mg/Kg	-	10/03/24 09:59	10/04/24 21:40	1
Diesel Range Organics (Over C10-C28)	30.9	JB	53.3	16.1	mg/Kg	₩	10/03/24 09:59	10/04/24 21:40	1
Oil Range Organics (Over C28-C36)	<16.1	U	53.3	16.1	mg/Kg	≎	10/03/24 09:59	10/04/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				10/03/24 09:59	10/04/24 21:40	

Method: EPA 300.0 - Anions, lo	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3490		26.9	2.12	mg/Kg			10/05/24 02:46	5

70 - 130

110

3770

Lab Sample ID: 880-49314-15 Client Sample ID: CS-72a

Date Collected: 10/01/24 13:15 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 95.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00145	U	0.00208	0.00145	mg/Kg	*	10/03/24 12:09	10/03/24 16:42	1
Toluene	<0.00208	U	0.00208	0.00208	mg/Kg	☆	10/03/24 12:09	10/03/24 16:42	1
Ethylbenzene	< 0.00113	U	0.00208	0.00113	mg/Kg	☆	10/03/24 12:09	10/03/24 16:42	1
m-Xylene & p-Xylene	<0.00238	U	0.00416	0.00238	mg/Kg	☼	10/03/24 12:09	10/03/24 16:42	1
o-Xylene	< 0.00165	U	0.00208	0.00165	mg/Kg	≎	10/03/24 12:09	10/03/24 16:42	1
Xylenes, Total	<0.00238	U	0.00416	0.00238	mg/Kg	≎	10/03/24 12:09	10/03/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				10/03/24 12:09	10/03/24 16:42	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 12:09	10/03/24 16:42	1

1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 12:09	10/03/24 16:42	1
Method: SW846 8015B NM - [Diesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.1	U	52.0	15.1	mg/Kg		10/03/24 09:59	10/04/24 21:55	1
Diesel Range Organics (Over C10-C28)	60.3	В	52.0	15.7	mg/Kg	₩	10/03/24 09:59	10/04/24 21:55	1
Oil Range Organics (Over C28-C36)	<15.7	U	52.0	15.7	mg/Kg	₩	10/03/24 09:59	10/04/24 21:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				10/03/24 09:59	10/04/24 21:55	1
o-Terphenyl	113		70 - 130				10/03/24 09:59	10/04/24 21:55	1
Method: EPA 300.0 - Anions,	Ion Chroma	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Eurofins Midland

10/05/24 02:52

2.08 mg/Kg

Chloride

Client: Civil & Environmental Consultants Inc Job ID: 880-49314-1 Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-4a Lab Sample ID: 880-49314-16 Date Collected: 10/01/24 13:18 **Matrix: Solid** Date Received: 10/03/24 08:30

Percent Solids: 97.7

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00142	U	0.00204	0.00142	mg/Kg	<u></u>	10/03/24 12:09	10/03/24 17:03	1
Toluene	< 0.00203	U	0.00204	0.00203	mg/Kg	₩	10/03/24 12:09	10/03/24 17:03	1
Ethylbenzene	<0.00111	U	0.00204	0.00111	mg/Kg	₩	10/03/24 12:09	10/03/24 17:03	1
m-Xylene & p-Xylene	<0.00233	U	0.00407	0.00233	mg/Kg	₩	10/03/24 12:09	10/03/24 17:03	1
o-Xylene	< 0.00161	U	0.00204	0.00161	mg/Kg	₩	10/03/24 12:09	10/03/24 17:03	1
Xylenes, Total	<0.00233	U	0.00407	0.00233	mg/Kg	☼	10/03/24 12:09	10/03/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				10/03/24 12:09	10/03/24 17:03	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 12:09	10/03/24 17:03	1
Method: SW846 8015B NM	- Diesel Range	e Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<14.8	U	51.1	14.8	mg/Kg	-	10/03/24 09:59	10/04/24 22:10	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.8	U	51.1	14.8	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 22:10	1
Diesel Range Organics (Over C10-C28)	109	В	51.1	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 22:10	1
Oil Range Organics (Over C28-C36)	<15.5	U	51.1	15.5	mg/Kg	₩	10/03/24 09:59	10/04/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				10/03/24 09:59	10/04/24 22:10	1
o-Terphenyl	112		70 - 130				10/03/24 09:59	10/04/24 22:10	1

Method: EPA 300.0 - Anions, I	on Chromatograph	y - Soluble						
Analyte	Result Qualifier	r RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000	5.09	0.402	mg/Kg	<u></u>		10/05/24 02:58	1

Lab Sample ID: 880-49314-17 Client Sample ID: CS-73a Date Collected: 10/01/24 11:17 **Matrix: Solid** Date Received: 10/03/24 08:30 Percent Solids: 94.5

Method: SW846 8021B - Vo	latile Organic	Compound	ds (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00147	U	0.00212	0.00147	mg/Kg	<u></u>	10/03/24 12:09	10/03/24 17:23	1
Toluene	< 0.00211	U	0.00212	0.00211	mg/Kg	≎	10/03/24 12:09	10/03/24 17:23	1
Ethylbenzene	0.00663		0.00212	0.00115	mg/Kg	☼	10/03/24 12:09	10/03/24 17:23	1
m-Xylene & p-Xylene	0.0296		0.00423	0.00242	mg/Kg	₽	10/03/24 12:09	10/03/24 17:23	1
o-Xylene	0.0176		0.00212	0.00168	mg/Kg	≎	10/03/24 12:09	10/03/24 17:23	1
Xylenes, Total	0.0472		0.00423	0.00242	mg/Kg	₩	10/03/24 12:09	10/03/24 17:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				10/03/24 12:09	10/03/24 17:23	1
1,4-Difluorobenzene (Surr)	101		70 - 130				10/03/24 12:09	10/03/24 17:23	1

Analyte	_	Qualifier	DRO) (GC) RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.3	U -	52.7	15.3	mg/Kg	*	10/03/24 09:59	10/04/24 22:25	1
Diesel Range Organics (Over C10-C28)	1290	В	52.7	16.0	mg/Kg	₩	10/03/24 09:59	10/04/24 22:25	1
Oil Range Organics (Over C28-C36)	<16.0	U	52.7	16.0	mg/Kg	₩	10/03/24 09:59	10/04/24 22:25	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-73a

Date Collected: 10/01/24 11:17 Date Received: 10/03/24 08:30 Lab Sample ID: 880-49314-17

Matrix: Solid

Percent Solids: 94.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	10/03/24 09:59	10/04/24 22:25	1
o-Terphenyl	121		70 - 130	10/03/24 09:59	10/04/24 22:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac

Chloride 910 5.25 0.415 mg/Kg © 10/05/24 03:05 1

Client Sample ID: CS-89a Lab Sample ID: 880-49314-18

Date Collected: 10/01/24 12:27

Date Received: 10/03/24 08:30

Matrix: Solid
Percent Solids: 92.6

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00151	U	0.00217	0.00151	mg/Kg	*	10/03/24 12:09	10/03/24 17:44	1
Toluene	< 0.00217	U	0.00217	0.00217	mg/Kg	₩	10/03/24 12:09	10/03/24 17:44	1
Ethylbenzene	<0.00118	U	0.00217	0.00118	mg/Kg	₩	10/03/24 12:09	10/03/24 17:44	1
m-Xylene & p-Xylene	0.00799		0.00435	0.00248	mg/Kg	₩	10/03/24 12:09	10/03/24 17:44	1
o-Xylene	0.00286		0.00217	0.00172	mg/Kg	₩	10/03/24 12:09	10/03/24 17:44	1
Xylenes, Total	0.0109		0.00435	0.00248	mg/Kg	₽	10/03/24 12:09	10/03/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	245	S1+	70 - 130				10/03/24 12:09	10/03/24 17:44	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 12:09	10/03/24 17:44	1

Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.6	U	53.7	15.6	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 22:39	1
Diesel Range Organics (Over C10-C28)	40.9	JB	53.7	16.2	mg/Kg	₩	10/03/24 09:59	10/04/24 22:39	1
Oil Range Organics (Over C28-C36)	<16.2	U	53.7	16.2	mg/Kg	₽	10/03/24 09:59	10/04/24 22:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130				10/03/24 09:59	10/04/24 22:39	1
o-Terphenyl	118		70 - 130				10/03/24 09:59	10/04/24 22:39	1

Method: EPA 300.0 - Anions, Id	on Chromat	ography -	Soluble						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2420		27.2	2.15	mg/Kg	— -		10/05/24 03:11	5

 Client Sample ID: CS-8a
 Lab Sample ID: 880-49314-19

 Date Collected: 10/01/24 14:11
 Matrix: Solid

 Date Received: 10/03/24 08:30
 Percent Solids: 96.2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00146	U	0.00210	0.00146	mg/Kg	₩	10/03/24 12:09	10/03/24 18:04	1
Toluene	<0.00210	U	0.00210	0.00210	mg/Kg	₩	10/03/24 12:09	10/03/24 18:04	1
Ethylbenzene	<0.00114	U	0.00210	0.00114	mg/Kg	₩	10/03/24 12:09	10/03/24 18:04	1
m-Xylene & p-Xylene	<0.00240	U	0.00420	0.00240	mg/Kg	₩	10/03/24 12:09	10/03/24 18:04	1
o-Xylene	< 0.00166	U	0.00210	0.00166	mg/Kg	₩	10/03/24 12:09	10/03/24 18:04	1
Xylenes, Total	< 0.00240	U	0.00420	0.00240	mg/Kg	☼	10/03/24 12:09	10/03/24 18:04	1

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Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Lab Sample ID: 880-49314-19 **Client Sample ID: CS-8a** Date Collected: 10/01/24 14:11

Matrix: Solid

Date Received: 10/03/24 08:30 Percent Solids: 96.2

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				10/03/24 12:09	10/03/24 18:04	1
1,4-Difluorobenzene (Surr)	103		70 - 130				10/03/24 12:09	10/03/24 18:04	1
Method: SW846 8015B NM - D	Diesel Range	Organics	(DRO) (GC)						
Analyte	_	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.1	U	51.9	15.1	mg/Kg	<u></u>	10/03/24 09:59	10/04/24 22:54	1
Diesel Range Organics (Over C10-C28)	17.0	JB	51.9	15.7	mg/Kg	₽	10/03/24 09:59	10/04/24 22:54	1
Oil Range Organics (Over C28-C36)	<15.7	U	51.9	15.7	mg/Kg	₩	10/03/24 09:59	10/04/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				10/03/24 09:59	10/04/24 22:54	1
o-Terphenyl	98		70 - 130				10/03/24 09:59	10/04/24 22:54	1
Method: EPA 300.0 - Anions,	Ion Chromat	tography -	Soluble						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	863		5.19	0.410	mg/Kg	— <u></u>		10/05/24 03:18	

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Perce	ent Surrogate Rec
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-49314-1	North Wall	108	101	
880-49314-2	South Wall	112	100	
880-49314-3	CS-35a	107	103	
880-49314-4	CS-36a	107	101	
880-49314-5	CS-58a	105	101	
880-49314-6	CS-60a	114	100	
880-49314-7	CS-76a	110	102	
880-49314-8	CS-102a	110	100	
880-49314-9	CS-10a	103	100	
880-49314-10	CS-105a	105	88	
880-49314-11	CS-116a	105	103	
880-49314-12	CS-131a	111	96	
880-49314-13	CS-69a	112	99	
880-49314-14	CS-71a	110	106	
880-49314-15	CS-72a	105	103	
880-49314-16	CS-4a	112	101	
880-49314-17	CS-73a	119	101	
880-49314-18	CS-89a	245 S1+	103	
880-49314-19	CS-8a	108	103	
LCS 880-92406/1-A	Lab Control Sample	103	101	
LCS 880-92465/1-A	Lab Control Sample	101	101	
LCSD 880-92406/2-A	Lab Control Sample Dup	103	102	
LCSD 880-92465/2-A	Lab Control Sample Dup	104	102	
MB 880-92246/5-A	Method Blank	103	99	
MB 880-92350/5-A	Method Blank	104	98	
MB 880-92406/5-A	Method Blank	109	102	
MB 880-92465/5-A	Method Blank	102	97	
Surrogate Legend				
BFB = 4-Bromofluorob	nenzene (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)	
880-49314-1	North Wall	101	103	
880-49314-1 MS	North Wall	123	113	
880-49314-1 MSD	North Wall	124	112	
880-49314-2	South Wall	97	96	
880-49314-3	CS-35a	105	104	
880-49314-4	CS-36a	107	106	
880-49314-5	CS-58a	106	109	
880-49314-6	CS-60a	109	115	
880-49314-7	CS-76a	113	121	
880-49314-8	CS-102a	99	105	
380-49314-9	CS-10a	99	100	
880-49314-10	CS-105a	95	98	

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Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-49314-11	CS-116a	91	98	
880-49314-12	CS-131a	113	110	
880-49314-13	CS-69a	115	117	
880-49314-14	CS-71a	108	110	
880-49314-15	CS-72a	113	113	
880-49314-16	CS-4a	107	112	
880-49314-17	CS-73a	109	121	
880-49314-18	CS-89a	115	118	
880-49314-19	CS-8a	96	98	
LCS 880-92457/2-A	Lab Control Sample	156 S1+	145 S1+	
LCSD 880-92457/3-A	Lab Control Sample Dup	161 S1+	152 S1+	
	Method Blank	123	130	

OTPH = o-Terphenyl

Client: Civil & Environmental Consultants Inc Job ID: 880-49314-1 Project/Site: Fighting Okra 18 19 31H-CTB2

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92246/5-A

Matrix: Solid

Analysis Batch: 92553

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

Prep Batch: 92246

	MB	IVIB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/01/24 10:25	10/04/24 12:32	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/01/24 10:25	10/04/24 12:32	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/01/24 10:25	10/04/24 12:32	1
Xylenes, Total	< 0.00229	U	0.00400	0.00229	mg/Kg		10/01/24 10:25	10/04/24 12:32	1

MB MB %Recovery Qualifier Limits Prepared Analyzed Dil Fac 103 70 - 130 10/01/24 10:25 10/04/24 12:32 99 70 - 130 10/01/24 10:25 10/04/24 12:32

Lab Sample ID: MB 880-92350/5-A

Matrix: Solid

Surrogate

Analysis Batch: 92318

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

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

Prep Batch: 92350

MB MB Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene 10/02/24 10:55 10/02/24 21:56 <0.00139 U 0.00200 0.00139 mg/Kg Toluene 0.00200 mg/Kg 10/02/24 10:55 10/02/24 21:56 <0.00200 U 0.00200 Ethylbenzene 0.00200 <0.00109 U 0.00109 mg/Kg 10/02/24 10:55 10/02/24 21:56 m-Xylene & p-Xylene <0.00229 U 0.00400 0.00229 mg/Kg 10/02/24 10:55 10/02/24 21:56 o-Xylene <0.00158 U 0.00200 0.00158 mg/Kg 10/02/24 10:55 10/02/24 21:56 10/02/24 10:55 10/02/24 21:56 Xylenes, Total <0.00229 U 0.00400 0.00229 mg/Kg

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/02/24 10:55	10/02/24 21:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/02/24 10:55	10/02/24 21:56	1

Lab Sample ID: MB 880-92406/5-A

Matrix: Solid

Analysis Batch: 92318

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

Prep Batch: 92406

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Xylenes, Total	< 0.00229	U	0.00400	0.00229	mg/Kg		10/02/24 16:17	10/03/24 09:44	1

	IVIB	IVIB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	10/02/24 16:17	10/03/24 09:44	1
1,4-Difluorobenzene (Surr)	102		70 - 130	10/02/24 16:17	10/03/24 09:44	1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

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

LCS LCS

%Recovery Qualifier

103

101

Lab Sample ID: LCS 880-92406/1-A

Matrix: Solid Analysis Batch: 92318 Client Sample ID: Lab Control Sample Prep Type: Total/NA

Prep Batch: 92406

Prep Batch: 92406

Spike LCS LCS %Rec Added Result Qualifier Unit D %Rec Limits Analyte Benzene 0.100 0.09334 mg/Kg 93 70 - 130 Toluene 0.100 0.08623 mg/Kg 86 70 - 130 Ethylbenzene 0.100 0.08463 70 - 130 mg/Kg 85 m-Xylene & p-Xylene 0.200 0.1811 mg/Kg 91 70 - 130 0.100 92 o-Xylene 0.09245 mg/Kg 70 - 130

Limits

70 - 130

70 - 130

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

Analysis Batch: 92318

Lab Sample ID: LCSD 880-92406/2-A

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Surrogate

Matrix: Solid

The state of the s									
-	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09061		mg/Kg		91	70 - 130	3	35
Toluene	0.100	0.08430		mg/Kg		84	70 - 130	2	35
Ethylbenzene	0.100	0.08420		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1790		mg/Kg		90	70 - 130	1	35
o-Xylene	0.100	0.09221		mg/Kg		92	70 - 130	0	35

LCSD LCSD Surrogate %Recovery Qualifier Limits 70 - 130 4-Bromofluorobenzene (Surr) 103 1,4-Difluorobenzene (Surr) 102 70 - 130

Lab Sample ID: MB 880-92465/5-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 92465

MB MB Result Qualifier **MDL** Unit Dil Fac Analyte RL D Prepared Analyzed 10/03/24 10:32 10/04/24 23:09 Benzene <0.00139 U 0.00200 0.00139 mg/Kg Toluene <0.00200 U 0.00200 0.00200 mg/Kg 10/03/24 10:32 10/04/24 23:09 Ethylbenzene <0.00109 U 0.00200 0.00109 mg/Kg 10/03/24 10:32 10/04/24 23:09 m-Xylene & p-Xylene <0.00229 U 0.00400 0.00229 mg/Kg 10/03/24 10:32 10/04/24 23:09 o-Xylene <0.00158 U 0.00158 mg/Kg 10/03/24 10:32 10/04/24 23:09 0.00200 Xylenes, Total <0.00229 U 0.00400 0.00229 mg/Kg 10/03/24 10:32 10/04/24 23:09

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyz	ed Dil Fa	ac
4-Bromofluorobenzene (Surr)	102		70 - 130	10/03/24 10:32 10/04/24 2	3:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130	10/03/24 10:32 10/04/24 2	:3:09	1

Lab Sample ID: LCS 880-92465/1-A

Matrix: Solid

Analysis Batch: 92553

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

Prep Batch: 92465

-	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08273		mg/Kg		83	70 - 130	
Toluene	0.100	0.07740		mg/Kg		77	70 - 130	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued) Lab Sample ID: LCS 880-92465/1-A

Matrix: Solid

Analysis Batch: 92553

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92465

Spike	LCS	LCS				%Rec	
Added	Result	Qualifier	Unit	D	%Rec	Limits	
0.100	0.07463		mg/Kg		75	70 - 130	
0.200	0.1592		mg/Kg		80	70 - 130	
0.100	0.08215		mg/Kg		82	70 - 130	
	Added 0.100 0.200	Added Result 0.100 0.07463 0.200 0.1592	Added Result Qualifier 0.100 0.07463 0.200 0.1592	Added Result Qualifier Unit 0.100 0.07463 mg/Kg 0.200 0.1592 mg/Kg	Added Result 0.100 Qualifier 0.07463 Unit mg/Kg D mg/Kg 0.200 0.1592 mg/Kg	Added Result 0.100 Qualifier 0.07463 Unit mg/Kg D 75 %Rec mg/Kg 75 0.200 0.1592 mg/Kg 80	Added Result Qualifier Unit D %Rec Limits 0.100 0.07463 mg/Kg 75 70 - 130 0.200 0.1592 mg/Kg 80 70 - 130

LCS LCS

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 92553

Lab Sample ID: LCSD 880-92465/2-A

Prep Batch: 92465 **RPD**

LCSD LCSD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.08418 84 70 - 130 2 35 mg/Kg Toluene 0.100 0.08004 80 70 - 130 3 35 mg/Kg 79 Ethylbenzene 0.100 0.07944 mg/Kg 70 - 130 6 35 m-Xylene & p-Xylene 0.200 0.1709 mg/Kg 85 70 - 130 35 0.100 0.08741 87 o-Xylene mg/Kg 70 - 130

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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

Lab Sample ID: MB 880-92457/1-A

Matrix: Solid

Analysis Batch: 92490

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

Prep Batch: 92457

MB MB Analyte Result Qualifier RL **MDL** Unit Prepared Analyzed Dil Fac Gasoline Range Organics 19.31 J 50.0 14.5 mg/Kg 10/03/24 09:59 10/04/24 12:27 (GRO)-C6-C10 Diesel Range Organics (Over 23.07 J 50.0 15.1 mg/Kg 10/03/24 09:59 10/04/24 12:27 C10-C28) Oil Range Organics (Over C28-C36) <15.1 U 50.0 15.1 mg/Kg 10/03/24 09:59 10/04/24 12:27

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	10/03/24 09:59	10/04/24 12:27	1
o-Terphenyl	130		70 - 130	10/03/24 09:59	10/04/24 12:27	1

Lab Sample ID: LCS 880-92457/2-A

Matrix: Solid

Analysis Batch: 92490

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

Prep Batch: 92457

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1156		mg/Kg		116	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1156		mg/Kg		116	70 - 130	
C10-C28)								

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

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

Lab Sample ID: LCS 880-92457/2-A

Lab Sample ID: LCSD 880-92457/3-A

Matrix: Solid

Analysis Batch: 92490

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92457

LCS LCS

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 156 S1+ 70 - 130 o-Terphenyl 145 S1+ 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 92490

Prep Batch: 92457

LCSD LCSD %Rec **RPD** Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 1000 1131 mg/Kg 113 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1173 mg/Kg 117 70 - 130 20

C10-C28)

LCSD LCSD

Lab Sample ID: 880-49314-1 MS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 161 S1+ 70 - 130 70 - 130 o-Terphenyl 152 S1+

Client Sample ID: North Wall

Prep Type: Total/NA

Analysis Batch: 92490 Prep Batch: 92457 Sample Sample Spike MS MS %Rec

Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec <15.5 U Gasoline Range Organics 1060 1180 mg/Kg Ö 111 70 - 130 (GRO)-C6-C10 1060 70 - 130 Diesel Range Organics (Over <16.1 U 1149 mg/Kg 108

C10-C28)

Matrix: Solid

MS MS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 123 70 - 130 o-Terphenyl 113 70 - 130

Lab Sample ID: 880-49314-1 MSD Client Sample ID: North Wall **Matrix: Solid Prep Type: Total/NA**

Analysis Batch: 92490 Prep Batch: 92457

Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Result Qualifier Limits **RPD** Limit **Analyte** Unit D %Rec Gasoline Range Organics <15.5 U 1060 1177 111 70 - 130 0 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <16.1 U 1060 1130 mg/Kg ₩ 106 70 - 130 2 20

C10-C28)

MSD MSD

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 124 70 - 130 o-Terphenyl 112 70 - 130

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92462/1-A **Matrix: Solid**

Client Sample ID: Method Blank Prep Type: Soluble

Analysis Batch: 92497

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.395	U	5.00	0.395	mg/Kg			10/05/24 00:12	1

Lab Sample ID: LCS 880-92462/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 92497

Spike LCS LCS %Rec Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 267.7 90 - 110 mg/Kg 107

Lab Sample ID: LCSD 880-92462/3-A Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 92497

Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit Analyte Unit %Rec Chloride 250 262.6 105 mg/Kg

Lab Sample ID: 880-49314-1 MS **Client Sample ID: North Wall Matrix: Solid Prep Type: Soluble**

Analysis Batch: 92497

Spike MS MS %Rec Sample Sample Added Analyte Result Qualifier Result Qualifier Unit %Rec Limits Chloride 2700 F1 1320 4281 F1 90 - 110 mg/Kg 120

Lab Sample ID: 880-49314-1 MSD Client Sample ID: North Wall **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 92497

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	2700	F1	1320	4263	F1	ma/Ka	<u> </u>	118	90 - 110		20	

Lab Sample ID: 880-49314-11 MS

Client Sample ID: CS-116a **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 92497

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec 2200 F1 1280 Chloride 3763 F1 mg/Kg 122 90 - 110

Lab Sample ID: 880-49314-11 MSD Client Sample ID: CS-116a **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 92497

7 maryolo Batom 62 ioi	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	2200	F1	1280	3723	F1	mg/Kg	☆	119	90 - 110	1	20	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

GC VOA

Prep Batch: 92246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92246/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 92318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-11	CS-116a	Total/NA	Solid	8021B	92406
880-49314-12	CS-131a	Total/NA	Solid	8021B	92406
880-49314-13	CS-69a	Total/NA	Solid	8021B	92406
880-49314-14	CS-71a	Total/NA	Solid	8021B	92406
880-49314-15	CS-72a	Total/NA	Solid	8021B	92406
880-49314-16	CS-4a	Total/NA	Solid	8021B	92406
880-49314-17	CS-73a	Total/NA	Solid	8021B	92406
880-49314-18	CS-89a	Total/NA	Solid	8021B	92406
880-49314-19	CS-8a	Total/NA	Solid	8021B	92406
MB 880-92350/5-A	Method Blank	Total/NA	Solid	8021B	92350
MB 880-92406/5-A	Method Blank	Total/NA	Solid	8021B	92406
LCS 880-92406/1-A	Lab Control Sample	Total/NA	Solid	8021B	92406
LCSD 880-92406/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92406

Prep Batch: 92350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92350/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-11	CS-116a	Total/NA	Solid	5035	
880-49314-12	CS-131a	Total/NA	Solid	5035	
880-49314-13	CS-69a	Total/NA	Solid	5035	
880-49314-14	CS-71a	Total/NA	Solid	5035	
880-49314-15	CS-72a	Total/NA	Solid	5035	
880-49314-16	CS-4a	Total/NA	Solid	5035	
880-49314-17	CS-73a	Total/NA	Solid	5035	
880-49314-18	CS-89a	Total/NA	Solid	5035	
880-49314-19	CS-8a	Total/NA	Solid	5035	
MB 880-92406/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92406/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92406/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 92465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Total/NA	Solid	5035	
880-49314-2	South Wall	Total/NA	Solid	5035	
880-49314-3	CS-35a	Total/NA	Solid	5035	
880-49314-4	CS-36a	Total/NA	Solid	5035	
880-49314-5	CS-58a	Total/NA	Solid	5035	
880-49314-6	CS-60a	Total/NA	Solid	5035	
880-49314-7	CS-76a	Total/NA	Solid	5035	
880-49314-8	CS-102a	Total/NA	Solid	5035	
880-49314-9	CS-10a	Total/NA	Solid	5035	
880-49314-10	CS-105a	Total/NA	Solid	5035	
MB 880-92465/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92465/1-A	Lab Control Sample	Total/NA	Solid	5035	

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

GC VOA (Continued)

Prep Batch: 92465 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-92465/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 92553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Total/NA	Solid	8021B	92465
880-49314-2	South Wall	Total/NA	Solid	8021B	92465
880-49314-3	CS-35a	Total/NA	Solid	8021B	92465
880-49314-4	CS-36a	Total/NA	Solid	8021B	92465
880-49314-5	CS-58a	Total/NA	Solid	8021B	92465
880-49314-6	CS-60a	Total/NA	Solid	8021B	92465
880-49314-7	CS-76a	Total/NA	Solid	8021B	92465
880-49314-8	CS-102a	Total/NA	Solid	8021B	92465
880-49314-9	CS-10a	Total/NA	Solid	8021B	92465
880-49314-10	CS-105a	Total/NA	Solid	8021B	92465
MB 880-92246/5-A	Method Blank	Total/NA	Solid	8021B	92246
MB 880-92465/5-A	Method Blank	Total/NA	Solid	8021B	92465
LCS 880-92465/1-A	Lab Control Sample	Total/NA	Solid	8021B	92465
LCSD 880-92465/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92465

GC Semi VOA

Prep Batch: 92457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Total/NA	Solid	8015NM Prep	
880-49314-2	South Wall	Total/NA	Solid	8015NM Prep	
880-49314-3	CS-35a	Total/NA	Solid	8015NM Prep	
880-49314-4	CS-36a	Total/NA	Solid	8015NM Prep	
880-49314-5	CS-58a	Total/NA	Solid	8015NM Prep	
880-49314-6	CS-60a	Total/NA	Solid	8015NM Prep	
880-49314-7	CS-76a	Total/NA	Solid	8015NM Prep	
880-49314-8	CS-102a	Total/NA	Solid	8015NM Prep	
880-49314-9	CS-10a	Total/NA	Solid	8015NM Prep	
880-49314-10	CS-105a	Total/NA	Solid	8015NM Prep	
880-49314-11	CS-116a	Total/NA	Solid	8015NM Prep	
880-49314-12	CS-131a	Total/NA	Solid	8015NM Prep	
880-49314-13	CS-69a	Total/NA	Solid	8015NM Prep	
880-49314-14	CS-71a	Total/NA	Solid	8015NM Prep	
880-49314-15	CS-72a	Total/NA	Solid	8015NM Prep	
880-49314-16	CS-4a	Total/NA	Solid	8015NM Prep	
880-49314-17	CS-73a	Total/NA	Solid	8015NM Prep	
880-49314-18	CS-89a	Total/NA	Solid	8015NM Prep	
880-49314-19	CS-8a	Total/NA	Solid	8015NM Prep	
MB 880-92457/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92457/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-49314-1 MS	North Wall	Total/NA	Solid	8015NM Prep	
880-49314-1 MSD	North Wall	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92490

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Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Total/NA	Solid	8015B NM	92457

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Page 26 of 43

3

3

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8

10

12

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

GC Semi VOA (Continued)

Analysis Batch: 92490 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-2	South Wall	Total/NA	Solid	8015B NM	92457
880-49314-3	CS-35a	Total/NA	Solid	8015B NM	92457
880-49314-4	CS-36a	Total/NA	Solid	8015B NM	92457
880-49314-5	CS-58a	Total/NA	Solid	8015B NM	92457
880-49314-6	CS-60a	Total/NA	Solid	8015B NM	92457
880-49314-7	CS-76a	Total/NA	Solid	8015B NM	92457
880-49314-8	CS-102a	Total/NA	Solid	8015B NM	92457
880-49314-9	CS-10a	Total/NA	Solid	8015B NM	92457
880-49314-10	CS-105a	Total/NA	Solid	8015B NM	92457
880-49314-11	CS-116a	Total/NA	Solid	8015B NM	92457
880-49314-12	CS-131a	Total/NA	Solid	8015B NM	92457
880-49314-13	CS-69a	Total/NA	Solid	8015B NM	92457
880-49314-14	CS-71a	Total/NA	Solid	8015B NM	92457
880-49314-15	CS-72a	Total/NA	Solid	8015B NM	92457
880-49314-16	CS-4a	Total/NA	Solid	8015B NM	92457
880-49314-17	CS-73a	Total/NA	Solid	8015B NM	92457
880-49314-18	CS-89a	Total/NA	Solid	8015B NM	92457
880-49314-19	CS-8a	Total/NA	Solid	8015B NM	92457
MB 880-92457/1-A	Method Blank	Total/NA	Solid	8015B NM	92457
LCS 880-92457/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92457
LCSD 880-92457/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92457
880-49314-1 MS	North Wall	Total/NA	Solid	8015B NM	92457
880-49314-1 MSD	North Wall	Total/NA	Solid	8015B NM	92457

HPLC/IC

Leach Batch: 92462

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-49314-1	North Wall	Soluble	Solid	DI Leach	
880-49314-2	South Wall	Soluble	Solid	DI Leach	
880-49314-3	CS-35a	Soluble	Solid	DI Leach	
880-49314-4	CS-36a	Soluble	Solid	DI Leach	
880-49314-5	CS-58a	Soluble	Solid	DI Leach	
880-49314-6	CS-60a	Soluble	Solid	DI Leach	
880-49314-7	CS-76a	Soluble	Solid	DI Leach	
880-49314-8	CS-102a	Soluble	Solid	DI Leach	
880-49314-9	CS-10a	Soluble	Solid	DI Leach	
880-49314-10	CS-105a	Soluble	Solid	DI Leach	
880-49314-11	CS-116a	Soluble	Solid	DI Leach	
880-49314-12	CS-131a	Soluble	Solid	DI Leach	
880-49314-13	CS-69a	Soluble	Solid	DI Leach	
880-49314-14	CS-71a	Soluble	Solid	DI Leach	
880-49314-15	CS-72a	Soluble	Solid	DI Leach	
880-49314-16	CS-4a	Soluble	Solid	DI Leach	
880-49314-17	CS-73a	Soluble	Solid	DI Leach	
880-49314-18	CS-89a	Soluble	Solid	DI Leach	
880-49314-19	CS-8a	Soluble	Solid	DI Leach	
MB 880-92462/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92462/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92462/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-49314-1 MS	North Wall	Soluble	Solid	DI Leach	

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-49314-1

HPLC/IC (Continued)

Leach Batch: 92462 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1 MSD	North Wall	Soluble	Solid	DI Leach	
880-49314-11 MS	CS-116a	Soluble	Solid	DI Leach	
880-49314-11 MSD	CS-116a	Soluble	Solid	DI Leach	

Analysis Batch: 92497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Soluble	Solid	300.0	92462
880-49314-2	South Wall	Soluble	Solid	300.0	92462
880-49314-3	CS-35a	Soluble	Solid	300.0	92462
880-49314-4	CS-36a	Soluble	Solid	300.0	92462
880-49314-5	CS-58a	Soluble	Solid	300.0	92462
880-49314-6	CS-60a	Soluble	Solid	300.0	92462
880-49314-7	CS-76a	Soluble	Solid	300.0	92462
880-49314-8	CS-102a	Soluble	Solid	300.0	92462
880-49314-9	CS-10a	Soluble	Solid	300.0	92462
880-49314-10	CS-105a	Soluble	Solid	300.0	92462
880-49314-11	CS-116a	Soluble	Solid	300.0	92462
880-49314-12	CS-131a	Soluble	Solid	300.0	92462
880-49314-13	CS-69a	Soluble	Solid	300.0	92462
880-49314-14	CS-71a	Soluble	Solid	300.0	92462
880-49314-15	CS-72a	Soluble	Solid	300.0	92462
880-49314-16	CS-4a	Soluble	Solid	300.0	92462
880-49314-17	CS-73a	Soluble	Solid	300.0	92462
880-49314-18	CS-89a	Soluble	Solid	300.0	92462
880-49314-19	CS-8a	Soluble	Solid	300.0	92462
MB 880-92462/1-A	Method Blank	Soluble	Solid	300.0	92462
LCS 880-92462/2-A	Lab Control Sample	Soluble	Solid	300.0	92462
LCSD 880-92462/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92462
880-49314-1 MS	North Wall	Soluble	Solid	300.0	92462
880-49314-1 MSD	North Wall	Soluble	Solid	300.0	92462
880-49314-11 MS	CS-116a	Soluble	Solid	300.0	92462
880-49314-11 MSD	CS-116a	Soluble	Solid	300.0	92462

General Chemistry

Analysis Batch: 92531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-1	North Wall	Total/NA	Solid	D2216	
880-49314-2	South Wall	Total/NA	Solid	D2216	
880-49314-3	CS-35a	Total/NA	Solid	D2216	
880-49314-4	CS-36a	Total/NA	Solid	D2216	
880-49314-5	CS-58a	Total/NA	Solid	D2216	
880-49314-6	CS-60a	Total/NA	Solid	D2216	
880-49314-7	CS-76a	Total/NA	Solid	D2216	
880-49314-8	CS-102a	Total/NA	Solid	D2216	
880-49314-9	CS-10a	Total/NA	Solid	D2216	
880-49314-10	CS-105a	Total/NA	Solid	D2216	
880-49314-11	CS-116a	Total/NA	Solid	D2216	
880-49314-12	CS-131a	Total/NA	Solid	D2216	
880-49314-13	CS-69a	Total/NA	Solid	D2216	
880-49314-14	CS-71a	Total/NA	Solid	D2216	

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11/18/2024 (Rev. 1)

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

General Chemistry (Continued)

Analysis Batch: 92531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-49314-15	CS-72a	Total/NA	Solid	D2216	
880-49314-16	CS-4a	Total/NA	Solid	D2216	
880-49314-17	CS-73a	Total/NA	Solid	D2216	
880-49314-18	CS-89a	Total/NA	Solid	D2216	
880-49314-19	CS-8a	Total/NA	Solid	D2216	
MB 880-92531/1	Method Blank	Total/NA	Solid	D2216	
880-49314-1 DU	North Wall	Total/NA	Solid	D2216	
880-49314-11 DU	CS-116a	Total/NA	Solid	D2216	

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13

Date Collected: 10/01/24 11:57 Date Received: 10/03/24 08:30 Lab Sample ID: 880-49314-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: North Wall

Date Collected: 10/01/24 11:57 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-1 **Matrix: Solid**

Percent Solids: 93.9

Prep Type Total/NA	Batch Type Prep	Batch Method 5035	Run	Dil Factor	Initial Amount 4.99 g	Final Amount 5 mL	Batch Number 92465	Prepared or Analyzed 10/03/24 10:32	Analyst MNR	Lab EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 03:58	MNR	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.00 g 1 uL	10.00 mL 1 uL	92457 92490	10/03/24 09:59 10/04/24 17:40		EET MID EET MID
Soluble Soluble	Leach Analysis	DI Leach 300.0		5	5.04 g 50 mL	50 mL 50 mL	92462 92497	10/03/24 10:17 10/05/24 00:31	SA CH	EET MID EET MID

Client Sample ID: South Wall

Date Collected: 10/01/24 12:00

Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: South Wall

Date Collected: 10/01/24 12:00 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-2 **Matrix: Solid** Percent Solids: 94.9

	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	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 04:18	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 18:26	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 00:50	CH	EET MID

Client Sample ID: CS-35a Lab Sample ID: 880-49314-3 Date Collected: 10/01/24 12:37 Matrix: Solid

Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216					92531	10/03/24 19:14	SMC	EET MID

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-35a

Date Collected: 10/01/24 12:37 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-3

Matrix: Solid Percent Solids: 97.1

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 04:39	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 18:41	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 00:56	CH	EET MID

Client Sample ID: CS-36a

Date Collected: 10/01/24 12:39 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-36a

Date Collected: 10/01/24 12:39 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-4

Matrix: Solid Percent Solids: 96.7

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 92465 10/03/24 10:32 MNR **EET MID** Total/NA Analysis 8021B 5 mL 5 mL 92553 10/05/24 04:59 MNR **EET MID** Total/NA 10.00 mL 10/03/24 09:59 EL Prep 8015NM Prep 10.05 g 92457 **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 92490 10/04/24 18:57 TKC **EET MID** 50 mL 92462 10/03/24 10:17 SA Soluble Leach DI Leach 5.02 g **EET MID** Soluble Analysis 300.0 50 mL 50 mL 92497 10/05/24 01:03 CH 5 **EET MID**

Client Sample ID: CS-58a

Date Collected: 10/01/24 12:42 Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-58a Date Collected: 10/01/24 12:42

Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-5 Matrix: Solid

Percent Solids: 94.6

_	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	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 05:20	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 19:11	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 01:09	CH	EET MID

Client Sample ID: CS-60a

Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-6 Date Collected: 10/01/24 12:45

Matrix: Solid

Batch Batch Dil Initial Batch Final **Prepared** Method **Factor** or Analyzed **Prep Type** Type Run **Amount Amount** Number Analyst Lab Total/NA Analysis D2216 92531 10/03/24 19:14 SMC EET MID

Client Sample ID: CS-60a Lab Sample ID: 880-49314-6 Date Collected: 10/01/24 12:45 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 97.2

	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	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 05:40	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 19:26	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 01:29	CH	EET MID

Client Sample ID: CS-76a Lab Sample ID: 880-49314-7

Date Collected: 10/01/24 12:48 **Matrix: Solid**

Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-76a Lab Sample ID: 880-49314-7 Date Collected: 10/01/24 12:48 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 92.9

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 06:01	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 19:41	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 01:35	CH	EET MID

Lab Sample ID: 880-49314-8 Client Sample ID: CS-102a Date Collected: 10/01/24 12:51 **Matrix: Solid**

Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216					92531	10/03/24 19:14	SMC	EET MID

Date Received: 10/03/24 08:30

Lab Sample ID: 880-49314-8 Date Collected: 10/01/24 12:51

Matrix: Solid Percent Solids: 92.4

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 06:21	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 19:57	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 01:41	CH	EET MID

Client Sample ID: CS-10a Lab Sample ID: 880-49314-9 Date Collected: 10/01/24 12:55 **Matrix: Solid**

Date Received: 10/03/24 08:30

		Batch	Batch		Dil	Initial	Final	Batch	Prepared		
	Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
l	Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-10a Lab Sample ID: 880-49314-9 Date Collected: 10/01/24 12:55 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 96.4

_	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	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 06:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 20:11	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 01:48	CH	EET MID

Client Sample ID: CS-105a Lab Sample ID: 880-49314-10 Date Collected: 10/01/24 12:58 **Matrix: Solid**

Date Received: 10/03/24 08:30

Released to Imaging: 12/20/2024 9:34:34 AM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-105a Lab Sample ID: 880-49314-10 Date Collected: 10/01/24 12:58 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 97.3

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92465	10/03/24 10:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92553	10/05/24 07:02	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 20:26	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 01:54	CH	EET MID

Job ID: 880-49314-1

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-116a

Lab Sample ID: 880-49314-11

Matrix: Solid

Date Collected: 10/01/24 13:00 Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-116a Lab Sample ID: 880-49314-11 Date Collected: 10/01/24 13:00 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 97.7

	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	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 15:20	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 20:56	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 02:01	CH	EET MID

Client Sample ID: CS-131a Lab Sample ID: 880-49314-12

Date Collected: 10/01/24 13:05 **Matrix: Solid**

Date Received: 10/03/24 08:30

Dil Batch Batch Initial Final Batch Prepared **Prep Type** Type Method Run **Factor Amount Amount** Number or Analyzed Analyst Lab 10/03/24 19:14 SMC Total/NA Analysis D2216 92531 EET MID

Client Sample ID: CS-131a Lab Sample ID: 880-49314-12 Date Collected: 10/01/24 13:05 **Matrix: Solid**

Date Received: 10/03/24 08:30 Percent Solids: 98.0

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 15:41	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 21:11	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 02:20	CH	EET MID

Lab Sample ID: 880-49314-13 Client Sample ID: CS-69a Date Collected: 10/01/24 13:10 **Matrix: Solid**

Date Received: 10/03/24 08:30

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-69a

Date Collected: 10/01/24 13:10 Date Received: 10/03/24 08:30 Lab Sample ID: 880-49314-13

Matrix: Solid Percent Solids: 95.5

	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	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 16:01	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 21:26	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 02:26	CH	EET MID

Lab Sample ID: 880-49314-14

Matrix: Solid

Date Collected: 10/01/24 13:12 Date Received: 10/03/24 08:30

Client Sample ID: CS-71a

Date Received: 10/03/24 08:30 -

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			92531	10/03/24 19:14	SMC	EET MID

Client Sample ID: CS-71a

Date Collected: 10/01/24 13:12

Lab Sample ID: 880-49314-14

Matrix: Solid

Date Received: 10/03/24 08:30 Percent Solids: 93.7

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 16:22	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 21:40	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 02:46	CH	EET MID

Client Sample ID: CS-72a

Lab Sample ID: 880-49314-15

Date Collected: 10/01/24 13:15

Matrix: Solid

Date Collected: 10/01/24 13:15 Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared			
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab	
Total/NA	Analysis	D2216					92531	10/03/24 19:14	SMC	EET MID	

Client Sample ID: CS-72a Lab Sample ID: 880-49314-15

Date Collected: 10/01/24 13:15
Date Received: 10/03/24 08:30

Matrix: Solid
Percent Solids: 95.7

	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	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 16:42	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 21:55	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 02:52	CH	EET MID

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Date Received: 10/03/24 08:30

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-4a Lab Sample ID: 880-49314-16 Date Collected: 10/01/24 13:18

Matrix: Solid

Batch Batch Dil Initial Batch Final **Prepared** Method **Factor** or Analyzed **Prep Type** Type Run **Amount Amount** Number **Analyst** Lab Total/NA Analysis D2216 92531 10/03/24 19:14 SMC EET MID

Client Sample ID: CS-4a Lab Sample ID: 880-49314-16 Date Collected: 10/01/24 13:18 **Matrix: Solid** Date Received: 10/03/24 08:30

Percent Solids: 97.7

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 17:03	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 22:10	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 02:58	CH	EET MID

Client Sample ID: CS-73a Lab Sample ID: 880-49314-17

Date Collected: 10/01/24 11:17 **Matrix: Solid**

Date Received: 10/03/24 08:30

Dil Batch Batch Initial Final **Batch** Prepared **Prep Type** Type Method Run **Factor Amount** Amount Number or Analyzed Analyst Lab Total/NA Analysis D2216 92531 10/03/24 19:14 SMC EET MID

Client Sample ID: CS-73a Lab Sample ID: 880-49314-17 Date Collected: 10/01/24 11:17 Matrix: Solid Date Received: 10/03/24 08:30 Percent Solids: 94.5

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 17:23	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 22:25	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 03:05	CH	EET MID

Lab Sample ID: 880-49314-18 Client Sample ID: CS-89a Date Collected: 10/01/24 12:27 **Matrix: Solid**

Date Received: 10/03/24 08:30

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216					92531	10/03/24 19:14	SMC	EET MID

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Client Sample ID: CS-89a

Date Collected: 10/01/24 12:27 Date Received: 10/03/24 08:30 Lab Sample ID: 880-49314-18

Matrix: Solid

Percent Solids: 92.6

	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	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 17:44	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 22:39	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92497	10/05/24 03:11	CH	EET MID

Lab Sample ID: 880-49314-19

Matrix: Solid

Date Collected: 10/01/24 14:11 Date Received: 10/03/24 08:30

Client Sample ID: CS-8a

Batch Batch Dil Initial Final Batch Prepared Method **Prep Type** Type Run **Factor Amount Amount** Number or Analyzed Analyst Total/NA Analysis D2216 92531 10/03/24 19:14 SMC EET MID

Client Sample ID: CS-8a Lab Sample ID: 880-49314-19

Date Collected: 10/01/24 14:11

Matrix: Solid

Date Received: 10/03/24 08:30

Percent Solids: 96.2

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	92406	10/03/24 12:09	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92318	10/03/24 18:04	MNR	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92457	10/03/24 09:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92490	10/04/24 22:54	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92462	10/03/24 10:17	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92497	10/05/24 03:18	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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Method Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
Ol 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.

Laboratory References:

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

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Sample Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-49314-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-49314-1	North Wall	Solid	10/01/24 11:57	10/03/24 08:30
880-49314-2	South Wall	Solid	10/01/24 12:00	10/03/24 08:30
880-49314-3	CS-35a	Solid	10/01/24 12:37	10/03/24 08:30
880-49314-4	CS-36a	Solid	10/01/24 12:39	10/03/24 08:30
880-49314-5	CS-58a	Solid	10/01/24 12:42	10/03/24 08:30
880-49314-6	CS-60a	Solid	10/01/24 12:45	10/03/24 08:30
880-49314-7	CS-76a	Solid	10/01/24 12:48	10/03/24 08:30
880-49314-8	CS-102a	Solid	10/01/24 12:51	10/03/24 08:30
880-49314-9	CS-10a	Solid	10/01/24 12:55	10/03/24 08:30
880-49314-10	CS-105a	Solid	10/01/24 12:58	10/03/24 08:30
880-49314-11	CS-116a	Solid	10/01/24 13:00	10/03/24 08:30
880-49314-12	CS-131a	Solid	10/01/24 13:05	10/03/24 08:30
880-49314-13	CS-69a	Solid	10/01/24 13:10	10/03/24 08:30
880-49314-14	CS-71a	Solid	10/01/24 13:12	10/03/24 08:30
880-49314-15	CS-72a	Solid	10/01/24 13:15	10/03/24 08:30
880-49314-16	CS-4a	Solid	10/01/24 13:18	10/03/24 08:30
880-49314-17	CS-73a	Solid	10/01/24 11:17	10/03/24 08:30
880-49314-18	CS-89a	Solid	10/01/24 12:27	10/03/24 08:30
880-49314-19	CS-8a	Solid	10/01/24 14:11	10/03/24 08:30

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TAT Requested: TAT Requested (days): TAT Request	Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Phone: 432-704-5440 Client Information	Sampler. T T M	in of Cu	ain of Custody Record	ly Record Lab PM Richter, Travis W E-Mail:	Carrier Tracking No(eurofins	Environment Testing
A	I Consultants Inc		PWSID	Travis	. Richter@et. eurofins	sus.com Analysis Requested	880-49314 Chain of Cust	À
The Completed (trays) Sample Date Sample Sample Sample Date Sample Sample Date Sample	way	Due Date Requested:					N - None	
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1245		121	12 C	Solid	X X	X	2	
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					Cooler Temperatur	re(s) °C and Other Remarks:	13.60-1	

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Trans Requested fash Trans Retrievaget autoflower com State of Organ Page Pa	Client Information	クナ	Lab PM: Richter, Travis W	Carrier Tracking No(s):	COC No. 880-9852-1380.4
The Presented Sample Present	Client Contact: Ms. Laura Campbell	Phone:	E-Mail: Travis. Richter@et.eurofinsus		1922
The Requested (styp): The Region of	Company: Civil & Environmental Consultants Inc	PWSID:		Analysis Requested	2007 # mor
Completion Propert Ves No No No No No No No N	Address. 700 Cherrington Parkway	Due Date Requested:			Preservation Codes:
11 City 12 Completes Project Ves No Completes Ves No Completes Compl	City: Moon Township	TAT Requested (days):			
Sample Date Sample Co-control Multication O 124 134 127 23 24 24 24 24 24 24 24	State, Zip: PA, 15108	∆ Yes			
Sample Date	Phone: 800-365-2324(Tel)	PO#	(c		
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Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc Job Number: 880-49314-1

Login Number: 49314 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

gc 340 0j 370

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Laura Campbell Civil & Environmental Consultants Inc 700 Cherrington Parkway Moon Township, Pennsylvania 15108

Generated 10/31/2024 2:32:46 PM

JOB DESCRIPTION

Fighting Okra 18 19 31H-CTB2

JOB NUMBER

880-50344-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

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 10/31/2024 2:32:46 PM

Authorized for release by Travis Richter, Project Manager <u>Travis.Richter@et.eurofinsus.com</u> (281)794-7216 3

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Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Laboratory Job ID: 880-50344-1

Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Client Sample Results	6
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	11
Lab Chronicle	12
Certification Summary	13
Method Summary	14
Sample Summary	15
Chain of Custody	16
Receint Checklists	17

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10

12

13

Definitions/Glossary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-50344-1

Qualifiers

GC VOA

Qualifier Description

U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

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.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit
ML Minimum Level (Dioxin)
MPN Most Probable Number
MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NEG Negative / Absent
POS Positive / Present
PQL Practical Quantitation Limit

PRES Presumptive

QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

RPD Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin)
TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Midland

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Job ID: 880-50344-1

Case Narrative

Client: Civil & Environmental Consultants Inc

Project: Fighting Okra 18 19 31H-CTB2

Eurofins Midland Job ID: 880-50344-1

Job Narrative 880-50344-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

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

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

Receipt

The sample was received on 10/29/2024 8:32 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions

The following sample was received and analyzed from an unpreserved bulk soil jar: CS-73B (880-50344-1).

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

Diesel Range Organics

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-94304 and analytical batch 880-94326 was outside the upper control limits.

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

HPLC/IC

Method 300 ORGFM 28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-94354 and analytical batch 880-94357 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

The associated sample is: CS-73B (880-50344-1).

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

General Chemistry

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

Client Sample Results

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Client Sample ID: CS-73B Date Collected: 10/28/24 17:10 Date Received: 10/29/24 08:32

Chloride

Job ID: 880-50344-1

10/29/24 23:08

Lab Sample ID: 880-50344-1

trix: Solid	
tinti oona	
olids: 97.0	Pe

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00143	U	0.00206	0.00143	mg/Kg	<u></u>	10/29/24 08:37	10/29/24 14:02	1
Toluene	<0.00206	U	0.00206	0.00206	mg/Kg	₩	10/29/24 08:37	10/29/24 14:02	1
Ethylbenzene	<0.00112	U	0.00206	0.00112	mg/Kg	☼	10/29/24 08:37	10/29/24 14:02	1
m-Xylene & p-Xylene	<0.00235	U	0.00412	0.00235	mg/Kg	☼	10/29/24 08:37	10/29/24 14:02	1
o-Xylene	< 0.00163	U	0.00206	0.00163	mg/Kg	₩	10/29/24 08:37	10/29/24 14:02	1
Xylenes, Total	<0.00235	U	0.00412	0.00235	mg/Kg	₩	10/29/24 08:37	10/29/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
							10/00/01/00/07	10/29/24 14:02	
4-Bromofluorobenzene (Surr)	114		70 - 130				10/29/24 08:37	10/29/24 14:02	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	114 96		70 - 130 70 - 130				10/29/24 08:37 10/29/24 08:37	10/29/24 14:02	1
1,4-Difluorobenzene (Surr)	96	nics (DRO)	70 - 130						1
, ,	96 sel Range Orga	nics (DRO) Qualifier	70 - 130	MDL	Unit	D			Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Die	96 sel Range Orga	Qualifier	70 - 130 (GC)	MDL 15.0		D	10/29/24 08:37	10/29/24 14:02	Dil Fac
1,4-Difluorobenzene (Surr) Method: SW846 8015B NM - Die Analyte Gasoline Range Organics	96 sel Range Orga Result	Qualifier U	70 - 130 (GC) RL	15.0			10/29/24 08:37 Prepared	10/29/24 14:02 Analyzed	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	sel Range Orga Result <15.0	Qualifier U	70 - 130 (GC) RL 51.5	15.0 15.6	mg/Kg	- ‡	10/29/24 08:37 Prepared 10/29/24 08:26	10/29/24 14:02 Analyzed 10/29/24 22:56	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Dil Range Organics (Over C28-C36)	sel Range Orga Result <15.0 27.7	Qualifier U J	70 - 130 (GC) RL 51.5	15.0 15.6	mg/Kg	— -	Prepared 10/29/24 08:26 10/29/24 08:26	Analyzed 10/29/24 22:56 10/29/24 22:56	Dil Fac
Method: SW846 8015B NM - Die Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	96 sel Range Orga Result <15.0 27.7 <15.6	Qualifier U J	70 - 130 (GC) RL 51.5 51.5	15.0 15.6	mg/Kg	— -	Prepared 10/29/24 08:26 10/29/24 08:26 10/29/24 08:26	Analyzed 10/29/24 22:56 10/29/24 22:56 10/29/24 22:56	

10.4

552

0.411 mg/Kg

Surrogate Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

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)	
880-50344-1	CS-73B	114	96	
LCS 880-94305/1-A	Lab Control Sample	104	104	
LCSD 880-94305/2-A	Lab Control Sample Dup	104	99	
MB 880-94305/5-A	Method Blank	113	90	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			
DFBZ = 1,4-Difluoroben	zene (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)	
880-50344-1	CS-73B	107	100	
LCS 880-94304/2-A	Lab Control Sample	121	124	
LCSD 880-94304/3-A	Lab Control Sample Dup	128	130	
MB 880-94304/1-A	Method Blank	146 S1+	139 S1+	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94305/5-A

Matrix: Solid

Analysis Batch: 94298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94305

	мв	МВ							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00139	U	0.00200	0.00139	mg/Kg		10/29/24 08:37	10/29/24 11:15	1
Toluene	<0.00200	U	0.00200	0.00200	mg/Kg		10/29/24 08:37	10/29/24 11:15	1
Ethylbenzene	<0.00109	U	0.00200	0.00109	mg/Kg		10/29/24 08:37	10/29/24 11:15	1
m-Xylene & p-Xylene	<0.00229	U	0.00400	0.00229	mg/Kg		10/29/24 08:37	10/29/24 11:15	1
o-Xylene	<0.00158	U	0.00200	0.00158	mg/Kg		10/29/24 08:37	10/29/24 11:15	1
Xylenes, Total	<0.00229	U	0.00400	0.00229	mg/Kg		10/29/24 08:37	10/29/24 11:15	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/29/24 08:37	10/29/24 11:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130	10/29/24 08:37	10/29/24 11:15	1

Lab Sample ID: LCS 880-94305/1-A

Matrix: Solid

Analysis Batch: 94298

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94305

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1072		mg/Kg		107	70 - 130	
Toluene	0.100	0.1091		mg/Kg		109	70 - 130	
Ethylbenzene	0.100	0.1077		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	0.200	0.2123		mg/Kg		106	70 - 130	
o-Xylene	0.100	0.1068		mg/Kg		107	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-94305/2-A

Matrix: Solid

Analysis Batch: 94298

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94305

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.1046		mg/Kg		105	70 - 130	2	35
Toluene	0.100	0.1047		mg/Kg		105	70 - 130	4	35
Ethylbenzene	0.100	0.1028		mg/Kg		103	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.2007		mg/Kg		100	70 - 130	6	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	5	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1.4-Difluorobenzene (Surr)	99		70 ₋ 130

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

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

Lab Sample ID: MB 880-94304/1-A

Lab Sample ID: LCS 880-94304/2-A

Lab Sample ID: LCSD 880-94304/3-A

Matrix: Solid

Analysis Batch: 94326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94304

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<14.5	U	50.0	14.5	mg/Kg		10/29/24 08:24	10/29/24 19:35	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<15.1	U	50.0	15.1	mg/Kg		10/29/24 08:24	10/29/24 19:35	1
C10-C28)									
Oil Range Organics (Over C28-C36)	<15.1	U	50.0	15.1	mg/Kg		10/29/24 08:24	10/29/24 19:35	1
	MB	MB							

	Surrogate	%Recovery	Qualifier	Limits	1	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	146	S1+	70 - 130	10/	/29/24 08:24	10/29/24 19:35	1
l	o-Terphenyl	139	S1+	70 - 130	10/	/29/24 08:24	10/29/24 19:35	1

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 94304

Matrix: Solid Analysis Batch: 94326

LCS LCS Spike Analyte Added Result Qualifier Unit D %Rec Limits 1000 818.1 82 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 1000 Diesel Range Organics (Over 731.9 mg/Kg 73 70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 94326

LCS LCS %Recovery Qualifier Limits Surrogate 1-Chlorooctane 121 70 - 130 o-Terphenyl 124 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94304

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	873.1		mg/Kg	<u> </u>	87	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	788.0		mg/Kg		79	70 - 130	7	20

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	128	70 - 130
o-Terphenyl	130	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94354/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 94357

мв мв Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <0.395 U 10.0 10/29/24 22:06 0.395 mg/Kg

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-94354/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 94357

Spike LCS LCS

%Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 229.5 mg/Kg 92 90 - 110

Lab Sample ID: LCSD 880-94354/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 94357

Spike LCSD LCSD %Rec RPD

Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Chloride 250 254.1 mg/Kg 102 90 - 110 10 20

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-50344-1

GC VOA

Analysis Batch: 94298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50344-1	CS-73B	Total/NA	Solid	8021B	94305
MB 880-94305/5-A	Method Blank	Total/NA	Solid	8021B	94305
LCS 880-94305/1-A	Lab Control Sample	Total/NA	Solid	8021B	94305
LCSD 880-94305/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94305

Prep Batch: 94305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50344-1	CS-73B	Total/NA	Solid	5035	
MB 880-94305/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94305/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94305/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 94304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50344-1	CS-73B	Total/NA	Solid	8015NM Prep	
MB 880-94304/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94304/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94326

Lab Sample ID 880-50344-1	Client Sample ID CS-73B	Prep Type Total/NA	Solid	Method 8015B NM	Prep Batch 94304
MB 880-94304/1-A	Method Blank	Total/NA	Solid	8015B NM	94304
LCS 880-94304/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94304
LCSD 880-94304/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94304

HPLC/IC

Leach Batch: 94354

Lab Sample ID 880-50344-1	Client Sample ID CS-73B	Prep Type Soluble	Solid	Method Prep Batch DI Leach
MB 880-94354/1-A	Method Blank	Soluble	Solid	DI Leach
LCS 880-94354/2-A	Lab Control Sample	Soluble	Solid	DI Leach
LCSD 880-94354/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach

Analysis Batch: 94357

Lab Sample ID 880-50344-1	Client Sample ID CS-73B	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 94354
MB 880-94354/1-A	Method Blank	Soluble	Solid	300.0	94354
LCS 880-94354/2-A	Lab Control Sample	Soluble	Solid	300.0	94354
LCSD 880-94354/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94354

General Chemistry

Analysis Batch: 94453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-50344-1	CS-73B	Total/NA	Solid	D2216	
MB 880-94453/1	Method Blank	Total/NA	Solid	D2216	

Eurofins Midland

Released to Imaging: 12/20/2024 9:34:34 AM

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Lab Chronicle

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

Client Sample ID: CS-73B

Lab Sample ID: 880-50344-1

Matrix: Solid

Date Collected: 10/28/24 17:10 Date Received: 10/29/24 08:32

Date Collected: 10/28/24 17:10

Date Received: 10/29/24 08:32

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	D2216		1			94453	10/30/24 18:13	SMC	EET MID

Matrix: Solid

Percent Solids: 97.0

Client Sample ID: CS-73B Lab Sample ID: 880-50344-1

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Analyst Run Lab Total/NA 5035 94305 10/29/24 08:37 EET MID Prep 5.01 g 5 mL MNR Total/NA 8021B 94298 10/29/24 14:02 MNR Analysis 5 mL 5 mL **EET MID** 1 Total/NA Prep 8015NM Prep 10.01 g 94304 EL 10 mL 10/29/24 08:26 **EET MID** Total/NA 8015B NM 94326 10/29/24 22:56 TKC Analysis 1 1 uL 1 uL EET MID Soluble Leach DI Leach 4.95 g 50 mL 94354 10/29/24 15:44 SA EET MID Soluble Analysis 300.0 50 mL 50 mL 94357 10/29/24 23:08 SMC **EET MID**

Laboratory References:

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

Accreditation/Certification Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25

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Method Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2 Job ID: 880-50344-1

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
D2216	Percent Moisture	ASTM	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.

Laboratory References:

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

Eurofins Midland

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4.0

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Sample Summary

Client: Civil & Environmental Consultants Inc Project/Site: Fighting Okra 18 19 31H-CTB2

Job ID: 880-50344-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-50344-1	CS-73B	Solid	10/28/24 17:10	10/29/24 08:32

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		880-50344 Chain of Custody		Preservation Codes: N - None				SI	enistr	of con	o redmu	Cotal Instructions/Note:		2											retained longer than 1 month) Archive For Months			933	Company	Company	2.7
	Carrier Tracking No(s):	State of Origin:	Analysis Requested				-																		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Retum To Client Disposal By Lab Archive For Mon	equirements:	Method of Shipment	Date/Time:	Date/Time:	Date/Time:	nd Other Remarks:
' Record	Lab PM: Richter, Travis W	E-Mail: Travis, Richter@et.eurofinsus.com	Analy				(o	(oN	es or loride	SD (Yo	Itered S MS/M8 SFM_28C		8 Z 8 Z 2 Z	メメメ	70	70	P	70	q	70	q	q	P		Sample Disposal (A fee I	Special Instructions/QC Requirements:	Time:	CEC	Received by	Received by:	Cooler Temperature(s) °C and Other Remarks:
Chain of Custody Record	Montannon	5996-187	PWSID:	ted:	lays): 7	ct: Δ Yes Δ No			31-070		-	Sample (C=comp,	X	1710 C Solid	Unknown Radiological		Date:	124 824 Company	Company	Company											
	Sampler	Phone: 91 8		Due Date Requested:	TAT Requested (days):	Compliance Project:	#O4	:# OM	Project #: 988001737	SSOW#:	-	Sample Date	Sample Date	10/28/2											☐ Poison B			My Date/Times 2 q	Date/Time:	Date/Time:	-
Eurofins Midland 1211 W. Florida Ave Midland, TX 79701 Phone. 432-704-5440	nt Information	Client Contact: Ms. Laura Campbell	Company: Civil & Environmental Consultants Inc	Address: 700 Cherrington Parkway	City. Moon Township	State, Zip: PA, 15108	Phone: 800-365-2324(Tel)	Email: campbell@cecinc.com	Project Name: Fighting Okra 18 19 31H-CTB2			Samle Hantification	vie identification	5-73h											Possible Hazard Identification Non-Hazard Elammable Skin Imtant	10	Empty Kit Relinquished by:	Relinquished by: My Montana	Relinquished by:	Relinquished by:	Custody Seals Intact: Custody Seal No.:

10/31/2024

Login Sample Receipt Checklist

Client: Civil & Environmental Consultants Inc Job Number: 880-50344-1

Login Number: 50344 List Source: Eurofins Midland

List Number: 1

Creator: Vasquez, Julisa

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	



Page 366 of 376

APPENDIX G PHOTOGRAPHIC LOG

331-070 Fighting Okra 18 19 Federal 31H March 2, 2018 Release Devon Energy Corporation October 2024



Well Pad



View of CS-116A, facing north



View of excavation from CS-76A, facing west



View of eastern edge of excavation, facing north



View of CS-4A and CS-131A, facing north



View of excavation, facing southwest



331-070 Fighting Okra 18 19 Federal 31H March 2, 2018 Release Devon Energy Corporation October 2024



CS-35A, facing west



View of excavation, facing east



Excavation area following backfilling, on November 19, 2024



View of excavation, facing east



CS-73A/B, facing west, on October 23, 2024



Excavation area following backfilling, on November 19, 2024



Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116
Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS

Action 413374

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites					
Incident ID (n#)	nOY1807543780				
Incident Name	NOY1807543780 FIGHTING OKRA 18 19 FEDERAL #031H @ 30-025-43267				
Incident Type	Release Other				
Incident Status	Remediation Closure Report Received				
Incident Well	[30-025-43267] FIGHTING OKRA 18 19 FEDERAL #031H				

Location of Release Source						
Please answer all the questions in this group.						
Site Name	FIGHTING OKRA 18 19 FEDERAL #031H					
Date Release Discovered	03/02/2018					
Surface Owner	Federal					

Incident Details							
Please answer all the questions in this group.							
Incident Type	Release Other						
Did this release result in a fire or is the result of a fire	No						
Did this release result in any injuries	No						
Has this release reached or does it have a reasonable probability of reaching a watercourse	No						
Has this release endangered or does it have a reasonable probability of endangering public health	No						
Has this release substantially damaged or will it substantially damage property or the environment	No						
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No						

Nature and Volume of Release								
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.								
Crude Oil Released (bbls) Details	Not answered.							
Produced Water Released (bbls) Details	Not answered.							
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.							
Condensate Released (bbls) Details	Not answered.							
Natural Gas Vented (Mcf) Details	Not answered.							
Natural Gas Flared (Mcf) Details	Not answered.							
Other Released Details	Cause: Other Flow Line - Production Other (Specify) Released: 9 BBL Recovered: 6 BBL Lost: 3 BBL.							
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.							

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

QUESTIONS, Page 2

Action 413374

QUESTI	ONS (continued)					
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 413374 Action Type:					
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)					
QUESTIONS						
Nature and Volume of Release (continued)						
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.					
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No					
Reasons why this would be considered a submission for a notification of a major release	Unavailable.					
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.					
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	afety hazard that would result in injury.					
The source of the release has been stopped	True					
The impacted area has been secured to protect human health and the environment	True					
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True					
All free liquids and recoverable materials have been removed and managed appropriately	True					
If all the actions described above have not been undertaken, explain why	Not answered.					
	ation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of valuation in the follow-up C-141 submission.					
to report and/or file certain release notifications and perform corrective actions for releating the OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or					
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com					

Sante Fe Main Office Phone: (505) 476-3441 General Information

Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 3

Action 413374

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approva release discovery date.	l and beyond). This information must be provided to the appropriate district office no later than 90 days after the	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)	
What method was used to determine the depth to ground water	Attached Document	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:		
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination	n associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 Cl B)	25500	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	4690	
GRO+DRO (EPA SW-846 Method 8015M)	4690	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence	09/30/2024	
On what date will (or did) the final sampling or liner inspection occur	10/28/2024	
On what date will (or was) the remediation complete(d)	10/22/2024	
What is the estimated surface area (in square feet) that will be reclaimed	6920	
What is the estimated volume (in cubic yards) that will be reclaimed	608	
What is the estimated surface area (in square feet) that will be remediated	6920	
What is the estimated volume (in cubic yards) that will be remediated	608	
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 4

Action 413374

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

Name: James Raley Title: EHS Professional I hereby agree and sign off to the above statement Email: jim.raley@dvn.com Date: 12/18/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

QUESTIONS, Page 5

Action 413374

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

Sante Fe Main Office Phone: (505) 476-3441 General Information

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QUESTIONS, Page 6

Action 413374

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	395305
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/28/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	6920	
What was the total volume (cubic yards) remediated	608	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	6920	
What was the total volume (in cubic yards) reclaimed	607.9	
Summarize any additional remediation activities not included by answers (above)	The areas where excavation was performed to remediate the Site were restored by backfilling with clean fill to stabilize the disturbed areas and return them to the existing grade, and provide a soil cover that prevents ponding of water and minimizes dust and erosion in accordance with Sections A., B. and C of 19.15.29.13 NMAC. Restoration activities were conducted on March 1, 2024. Reclamation will be performed at a later date after the affected area is no longer needed for production operations or drilling operations	

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 (in .pdf format) 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.

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/18/2024	
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QUESTIONS, Page 7

Action 413374

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 413374

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	413374
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation closure approved.	12/20/2024
amaxwell	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/20/2024
amaxwell	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/20/2024