FULCRUM
environmental consulting

Independent Soil Remediation
Diesel Fuel Spill

741 Urban Industrial Way
East Wenatchee, Washington

Project Number: 244060.00

February 16, 2024
Revised: February 28, 2024

Prepared for:

Wm. Winkler Co.
Attn: Pat McLam
5516 North Starr Road
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Prepared by:

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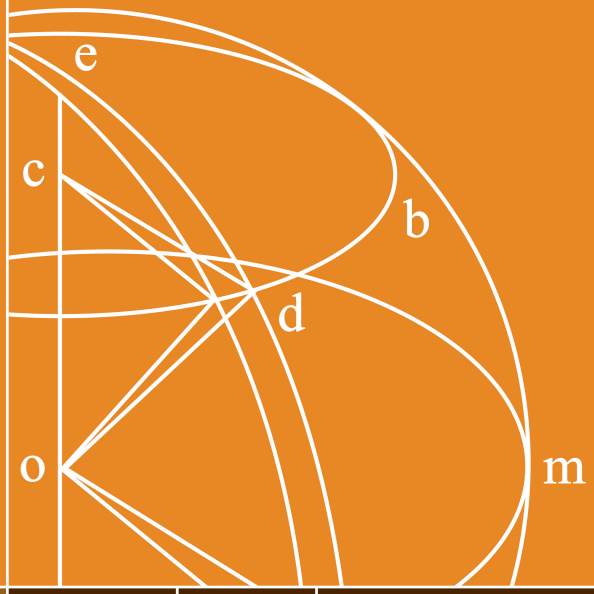
406 North 2nd Street
Yakima, Washington 98901



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1.0 Introduction

Fulcrum Environmental Consulting, Inc. (Fulcrum) was retained by Wm. Winkler Co. to complete site characterization and remediation activities for an area of petroleum contaminated soil (PCS) associated with a spill of diesel during fuel transfer at 741 Urban Industrial Way, East Wenatchee, Washington (Site). The spill and remediation activities occurred on Douglas County parcel 22210920009. The Site parcel and the north adjoining parcels are owned by Microsoft Corporation. The Site is primarily used as a parking and equipment storage/laydown area used to support site construction on the north adjoining parcels. See Figure 1 for the Site Location Map.

Approximate Site Location & Spill Location
(background imagery from Douglas County Assessor)

Fulcrum understands that the diesel spill occurred at the Site at end of January 2024 from an overfill of a portable fuel tank. During filling of a portable fuel tank with diesel from a stationary 1,000-gallon aboveground storage tank, an estimated 250-gallons of diesel was spilled due to overfill of the portable tank.

Fulcrum was responsible for delineating the area impacted by the diesel spill. Wm. Winkler Co. provided excavation services under Fulcrum's observation and direction. Soil remediation occurred on February 6 and 7, 2024, and was completed by excavating impacted soils and transporting any PCS to a licensed disposal facility. See Figure 2 for the Spill Area and Sample Locations Map.

All investigation and remediation activities were completed as provided in the Washington State Department of Ecology (Ecology)'s Model Toxics Control Act (MTCA), Washington Administrative Code (WAC) 173-340.

2.0 Scope of Work

Fulcrum's scope of services consisted of the following tasks:

- Delineated the area impacted by the diesel spill.
- Directed excavation of petroleum contaminated soils (PCS).
- Oversaw loading of PCS into dump trucks for disposal.
- Collected soil samples from the excavation extents to confirm completion of remedial excavation.
- Prepared documentation of remedial activities.

Remedial activities were limited to the area of PCS impacted by the diesel spill and were guided through

field screening. Field screening included evaluation of soil odor; color/staining; sheen; and volatile organic compounds (VOCs) concentrations with the use of a Multi-Rae 4 gas meter and photoionization detector (PID). Investigation and remediation activities were supervised by Amanda Enbysk, a Washington State Geologist-in-Training and Washington State Site Assessor with Fulcrum. Work was performed under the direction of Ryan Mathews, a Certified Hazardous Materials Manager with Fulcrum. See Appendix A for professional certifications.

Wm. Winkler Co. completed excavation activities. The majority of identified PCS was directly loaded into dump trucks. All PCS was transported to Waste Management's Greater Wenatchee Regional Landfill, located approximately 2-miles southeast of the Site. Waste characterization, transport, and soil disposal were completed by Wm. Winkler Co. Fulcrum did not complete or oversee backfill of the excavated soil.

Fulcrum utilized Fremont Analytical, Inc. (Fremont), of Seattle, Washington to provide laboratory services. Fremont is an Ecology accredited laboratory (accreditation number C910-23).

No groundwater or surface water were encountered during remediation activities.

3.0 Discussion of Pertinent Regulations and Guidance

Fulcrum utilized applicable portions of the following guidance and Washington State regulations.

3.1 MTCA Regulations

In March of 1989, The Model Toxics Control Act (MTCA) went into effect in Washington State. The MTCA regulations, WAC 173-340, set standards to ensure quality of cleanup and protection of human health and the environment. A major portion of the MTCA regulation (completed in 1991) was the development of numerical cleanup standards and requirements for cleanup actions. Three options were established under MTCA for site-specific cleanup levels (CUL): Method A, B, and C. Method A defines cleanup levels for 25 of the most common hazardous substances found at sites. Method B levels are set using a site risk assessment, which enables consideration of site-specific characteristics. Method C is similar to Method B; however, the individual substance's cancer risk portion of the assessment is set at 1 in 100,000 rather than 1 in 1,000,000. The respective standard cleanup levels are provided in the Cleanup Levels and Risk Calculations (CLARC) database.

Rule amendments to MTCA, which became effective August 15, 2001, changed the cleanup levels of petroleum hydrocarbon contamination. Whereas diesel and heavy oil concentrations were increased, the MTCA Method A cleanup levels for gasoline and gasoline components benzene, toluene, ethylbenzene, and xylene (BTEX) were lowered significantly. Ecology considers the CLARC database to be a "living document" and completes minor updates and corrections as needed. Every six months, Ecology may make major updates to align with EPA's regional screening levels (RSLs).

3.2 Cleanup Standard Selected

For Ecology managed sites, the relevant cleanup regulations are MTCA and current guidelines include the

Guidance for Remediation of Petroleum Contaminated Sites, Publication No. 10-09-057, Revised June 2016; and *Model Remedies for Sites with Petroleum Contaminated Soils*, Publication No. 15-09-043, Revised December 2017.

Ecology's MTCA Method A cleanup tables were developed to provide conservative cleanup levels for sites undergoing routine cleanup actions or those sites with relatively few hazardous substances. Method A cleanup levels are specifically designated as appropriate for residential facilities and are appropriate for a conservative approach at schools and public sites. Therefore, Fulcrum has determined that Ecology's MTCA Method A cleanup levels to be the most appropriate regulatory guidance for evaluating the need for site cleanup at the site. All project analytes have established MTCA Method A cleanup levels.

3.3 Sampling Guidance Criteria

Fulcrum has utilized applicable portions of the following document(s) as guidance criteria for confirmation sampling protocol:

1. Washington State Department of Ecology, *Guidance for Remediation of Petroleum Contaminated Soil,* revised June 2016.

See Appendix B for detail associated with sample collection methodology.

3.4 Regulatory Agency

Under the current distribution of responsibilities, the Pollution Liability Insurance Agency (PLIA) is responsible for the management of petroleum remediation sites unless a site has significant contamination issues, was historically enrolled in Ecology's Voluntary Cleanup Program and wishes to remain enrolled, where other contaminants are present (and atypical of a petroleum release), or where the petroleum release impacts surface water.

4.0 Environmental Setting

Contaminant transport within the subsurface and extent of impact is largely determined by the nature of the contaminant, as well as regional and local geologic and hydrogeologic conditions. The following subsections describe regional and local subsurface site settings.

4.1 Regional Setting

From a regional perspective, the Subject Site lies on the northwestern edge of the Columbia Plateau. The Columbia Plateau is an extensive and relatively simple terrain overlain by middle Tertiary basaltic lava which is interlayered with sedimentary deposits. The region west of the site and across the Columbia River is dominated by the foothills of the Northern Cascades, a mountain range controlled by crystalline intrusions, dramatic uplift due to an active volcanic arc, and complex faulting. Faulting and deformational events have led to pull-apart basins, also known as grabens, in the area to the west, resulting in the

accumulation of sediments in low-lying areas. The site is located south of the Entiat Fault, which serves as a contact between the Cretaceous metamorphic units of the Entiat Mountains east of the fault and the Tertiary sandstone/shale units of the Chiwaukum Graben to the west. The present rugged topography in the area is a result of alpine glaciating events occurring during the Holocene Epoch, which has greatly modified the Northern Cascades.

4.2 Local Geologic Setting

Site soils are identified by the U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) Web Soil Survey to consist of *Pogue loam, 8 to 15 percent slopes*, with parent material consisting of loess over glacial outwash. These soils are classified as somewhat excessively drained and the depth to water table is reported to be more than 80-inches below ground surface (bgs). These soils are noted with a restrictive feature at 20 to 35-inches bgs, described with a strongly contrasting textural stratification. The typical soil profile of *Pogue loam, 8 to 15 percent slopes* is reported as the following:

- 0 to 18 inches bgs – loam
- 18 to 25 inches – gravelly loam
- 25 to 60 inches – very cobbly sand

The soil observed during site activities was primarily sub-base gravel fill from the surface to approximately 8-inches bgs. Fulcrum classified the soil underlaying the gravel fill as sandy silt, consistent with the NRCS description of native *Pogue loam,* but had likely been graded prior to placement of the gravel fill. The site has been heavily disturbed due to construction activities. The maximum extent of the remedial excavation was about 3-feet bgs.

Fulcrum reviewed Ecology's Well Report Viewer online database and identified over 100 well logs reported within the vicinity of the Site; however, most logs were associated with geotechnical borings and did not include mention of encountering groundwater or a static groundwater level. Other well logs near the Site report a static groundwater level of at least 150-feet bgs. Groundwater would be anticipated to flow generally to the south/southeast towards the Columbia River. Groundwater was not encountered during any site activities.

5.0 Site Activities

Remedial excavation of PCS was initiated February 6 and completed on February 7, 2024. Upon Fulcrum's arrival onsite on February 6, 2024, the upper about 1-foot of gravel and underlying soil had been scraped from the impacted area. The spill area was marked with pink marking paint. The spill occurred within an area primarily used as a construction laydown and equipment storage area. See Figure 2 for the excavation and sample locations map.

Excavation was completed by Wm. Winkler Co. PCS was direct loaded into dump trucks for transport to Greater Wenatchee Regional Landfill. See Appendix C for site photographs.

Fulcrum utilized field screening methods, including visual observation of soil color/staining, odor, sheen on water, and use of a Multi-Rae 4-gas meter with PID to evaluate VOCs presence in soil. When visibly impacted soils were removed and field indications of contamination were absent, soil samples were collected to confirm completion of remediation. Field screening results are presented in Table D-1 within Appendix D.

Approximate spill area and site conditions upon arrival

Field screening identified diesel impact primarily within the east central portion of the excavation, where the spill occurred. Any soil identified as PCS by field screening was excavated for disposal. The strongest field screening indicators of contamination were noted near the spill area source. The final excavation had an approximate area of 11,200 square feet. The excavation was approximately 170-feet north to south in the longest area, approximately 140-feet east to west in the widest area, and an average depth of 1-foot bgs. The deepest area of the excavation was located in the east portion, below where the spill occurred and was excavated to a maximum depth of 3-feet bgs. See Figure 2 for the excavation and sample locations map.

Excavation occurring within the primary spill area

Confirmation soil samples were collected from the extents of the excavation to be submitted for laboratory analysis when field screening demonstrated no remaining petroleum impact. The excavation was shallow and samples were collected by hand from each desired location. No groundwater was encountered during site activities. See Figure 2 for the excavation extents and sample locations. Soil samples were labeled using the following naming scheme:

Date (MMDDYY) – sequential sample # . depth (ft bgs)
Ex. 020624-01.1
February 6, 2024 – sample #1 . 1-foot bgs

Fulcrum collected 17 soil samples and submitted the samples for laboratory analysis. One additional sample was collected as a field duplicate for quality assurance purposes. The following samples were collected and submitted for laboratory analysis:

- 020624-01.1 – East edge, beneath source of spill, 1-foot bgs
- 020624-02.1 – South edge, east of center, 1-foot bgs
- 020624-03.1 – South edge, center 1-foot bgs
- 020624-04.1 – South edge, west of center, 1-foot bgs

- 020624-05.1 – South kickout, north of center, 1-foot bgs
- 020624-06.1 – West portion, west of center, 1-foot bgs
- 020624-07.1 – North kickout, center, 1-foot bgs
- 020624-08.1 – North kickout, south of center, 1-foot bgs
- 020624-09.1 – West portion, north of center, 1-foot bgs
- 020624-10.1 – West edge, north of center, 1-foot bgs
- 020624-11.1 – West portion, southeast of center, 1-foot bgs
- 020624-12.1 – West portion, center, 1-foot bgs
- 020624-13.1 – West edge, south of center, 1-foot bgs
- 020624-14.1 – West edge, center, 1-foot bgs
- 020724-15.2 – East pit, west of center, 2-foot bgs
- 020724-16.3 – East pit, center of pit bottom, 3-foot bgs
- 020724-17.2 – East pit, southeast corner, 2-foot bgs
- *020724-18.3 – field duplicate of sample 020724-16.3*

Each soil sample was placed in a laboratory provided 4-ounce borosilicate jar with Teflon-lined lid (Diesel and Heavy Oil analysis) and two 40 milliliter glass vials (for BTEX analysis) with a Teflon-lined lid and methanol preservation for each sample location. New, clean nitrile gloves were used for each sample set. See Appendix B for detail associated with sample collection methodology.

6.0 Laboratory Results

All samples were packed on ice and shipped overnight via commercial carrier under chain-of-custody to Fremont Analytical in Seattle, Washington, for the following analyses:

- Diesel and Heavy Oil by Northwest Total Petroleum Hydrocarbons (NWTPH)-Diesel Extended (Dx Ext)
- VOCs by EPA Method 8260C for Benzene, Toluene, Ethylbenzene and Xylenes.

Soil samples were submitted to Fremont under two chains of custody; one for samples collected and shipped on February 6, and another for samples collected and shipped on February 7, 2024. The samples were both reported under Work Order 2402088.

6.1 Soil Results

All project samples were reported under Work Order 2402088. Laboratory results are summarized in Table 1 on the following page 8. See Appendix E for the laboratory analytical report and Fulcrum's review memorandum of laboratory quality assurance/quality control (QA/QC) data.

No diesel or heavy oil range organics, benzene, toluene, or ethylbenzene were detected above the MDL or MRL. All MRLs were below the MTCA Method A cleanup levels.

Xylenes (m,p-Xylene and/or o-Xylene) were reported in all samples above the laboratory method detection limit (MDL) and reported with "J" flag data qualifiers to denote the detected concentration was below the practical quantitation limit (PQL) and the concentration was estimated. All reported xylene concentration

were well below the MTCA Method A cleanup level of 9 mg/Kg.

Fulcrum's QA/QC review of the laboratory data notes m,p-Xylene and/or o-Xylene detections in method blank (MBLK), laboratory duplicate (DUP), and matrix spike (MS) samples but was absent on laboratory control samples (LCS). Xylenes were reported at similar concentrations with "J" flag qualifiers in the MBLK samples. Samples used to prepare MS and DUP analysis include both samples originating from Fulcrum's work order and a second non-Fulcrum work order. Absence of xylene in LCS samples, but present in the MBLK and MS samples indicates that xylene contamination was likely introduced during sample preparation.

Based on a review of the laboratory QC data, Fulcrum has determined that the xylene detections are false positives.

See Appendix E for Fulcrum's laboratory QA/QC data review memorandum for further discussion on use of the analytes reported with "J" flag data qualifiers, field duplicate analysis, and a review of laboratory QA/QC findings.

Table 1: Laboratory Analytical Results

Sample Identification	Depth (ft bgs)	Location in Excavation	Diesel	Heavy Oil	Benzene	Toluene	Ethylbenzene	m,p-Xylene [2]	o-Xylene [2]
020624-01.1	1	East edge, beneath source of spill	< 14.6	< 20.2	< 0.00995	< 0.0194	< 0.0126	<0.0467	<0.0234
020624-02.1	1	South edge, east of center	< 15	< 20.8	< 0.0102	< 0.0198	< 0.0128	<0.0478	<0.0239
020624-03.1	1	South edge, center	< 14.8	< 20.6	< 0.0104	< 0.0202	< 0.0131	<0.0488	<0.0244
020624-04.1	1	South edge, west of center	< 14.7	< 20.4	< 0.00983	< 0.0191	< 0.0124	<0.0462	<0.0231
020624-05.1	1	South kickout, north of center	< 14.8	< 20.6	< 0.0104	< 0.0202	< 0.0131	<0.0488	<0.0244
020624-06.1	1	West portion, west of center	< 14.3	< 19.8	< 0.012	< 0.0234	< 0.0151	<0.0564	<0.0282
020624-07.1	1	North kickout, center	< 14.5	< 20.1	< 0.01	< 0.0195	< 0.0127	<0.0471	<0.0236
020624-08.1	1	North kickout, south of center	< 15.1	< 20.9	< 0.0108	< 0.0209	< 0.0136	<0.0506	<0.0253
020624-09.1	1	West portion, north of center	< 14.7	< 20.3	< 0.0102	< 0.0198	< 0.0129	<0.0479	<0.0239
020624-10.1	1	West edge, north of center	< 14.9	< 20.7	< 0.0111	< 0.0216	< 0.014	<0.0522	<0.0261
020624-11.1	1	West portion, southeast of center	< 14.9	< 20.7	< 0.0106	< 0.0206	< 0.0134	<0.0498	<0.0249
020624-12.1	1	West portion, center	< 14.4	< 19.9	< 0.0095	< 0.0185	< 0.012	<0.0446	<0.0223
020624-13.1	1	West edge, south of center	< 15.1	< 20.9	< 0.0111	< 0.0215	< 0.014	<0.0519	<0.026
020624-14.1	1	West edge, center	< 15	< 20.7	< 0.0103	< 0.02	< 0.013	<0.0483	<0.0241
020724-15.2	2	East pit, west of center	< 14.4	< 20	< 0.00963	< 0.0187	< 0.0122	<0.0452	<0.0226
020724-16.3	3	East pit, center of pit bottom	< 13.6	< 18.9	< 0.0112	< 0.0217	< 0.0141	<0.0524	<0.0262
020724-17.2	2	East pit, southeast corner	< 14.1	< 19.6	< 0.0106	< 0.0207	< 0.0134	<0.05	<0.025
020724-18.3	3	*Duplicate of 020724-16.3*	< 13.8	< 19.2	< 0.0102	< 0.0199	< 0.0129	<0.0481	<0.0241
MTCA Method A Cleanup Level			**2,000**	**2,000**	**0.03**	**7**	**6**	**9[1]**	

Results reported in mg/Kg or ppm
Results in **Bold** indicate a result above the MTCA Method A CUL.
< - Result is below the method detection limit (MDL)
J - Result is below the practical quantitation limit (PQL) and concentration is estimated.
[1] MTCA Method A CUL is 9 mg/Kg for the combination of m,p-xylenes and o-xylenes.
[2] All xylene J-flagged detections have been determined to be false positives. Xylene is reported at the MRL which is below the CUL.

7.0 Soil Disposal

All PCS was transported to Waste Management's Greater Wenatchee Regional Landfill for disposal by direct burial, located approximately 2-miles southeast of the Site. Waste characterization, transport, and disposal were not included within Fulcrum's scope of services and was completed by Wm. Winkler Co. Soil documentation was provided by Wm. Winkler Co. to Fulcrum for review. A total of 929.07 tons of PCS were disposed of from the remedial excavation. See Appendix F for a copy of the soil disposal receipts provided by Wm. Winkler Co.

Fulcrum did not observe backfilling of the excavation.

8.0 Discussion

Fulcrum's field screening and onsite observations confirmed that a spill of diesel fuel occurred on the Site. The diesel spill occurred from overfill of a small portable fuel tank and impacted the surface gravel and extended into site soils to a maximum depth of 3-feet bgs. An estimated total of 250-gallons of diesel was spilled.

The spill traveled laterally along the gravel surface to the east and then north with the topographic gradient of the site. The distance of travel was likely attributed to the semi-frozen soil conditions at the time of the spill.

Impacted gravel and underlying soil were excavated until field screening confirmed that all diesel impacted soils were excavated. Fulcrum collected 17 confirmation samples from the excavation extents for laboratory analysis for diesel and heavy oil range organics and BTEX. All samples were reported with diesel, heavy oil, benzene, toluene, and xylene concentrations below the laboratory MRL. Xylenes detections were determined to be a false positive. All laboratory MRLs were below the applicable MTCA Method A cleanup levels.

8.1 Terrestrial Ecological Evaluation

The Terrestrial Ecological Evaluation (TEE) process is required to be completed as a portion of cleanup action alternative review under MTCA. The intent of the TEE is to determine if site soil conditions subsequent to development of remedial alternative(s) may pose a threat to the terrestrial environment, including soil biota, plants, and wildlife. The TEE procedures are presented in WAC 173-340-7490 through 7494. Under the simplified TEE in WAC 173-340-7492, through the contaminants analysis, evaluation may be ended if no hazardous substances are present in the soil at concentrations exceeding the values provided in WAC 173-340-900, Table 749-2.

No diesel, heavy oil, or BTEX was detected above the laboratory MRL, and no further TEE is warranted. See Appendix G for the completed TEE form.

9.0 Conclusions

Fulcrum performed soil remediation services following a spill of approximately 250-gallons of diesel fuel at 741 Urban Industrial Way in East Wenatchee, Washington. The spill occurred during fueling of a portable fuel tank from an aboveground storage tank and impacted an area used for construction materials laydown and equipment storage area associated with construction on adjoining parcels.

Fulcrum determined the required excavation extent necessary to remove all diesel impacted soils. Field screening continued until it could be demonstrated that all impacted soil had been removed. All excavated soils, a total of 929.07 tons, were transported by Wm. Winkler to the Greater Wenatchee Regional Landfill. Following field screening, Fulcrum collected 17 confirmation samples from the excavation extents and submitted the samples to Fremont Analytical for laboratory analysis for diesel and heavy oil range organics and BTEX. All samples demonstrated that diesel, heavy oil, benzene, toluene, and ethylbenzene were not present at or above the laboratory MRL. All laboratory MRLs were below the applicable MTCA Method A cleanup levels. Xylenes were reported at low levels, well below the MTCA Method A cleanup level, but were determined to be a false positive.

Project field screening and laboratory analysis demonstrated that all diesel contaminated soils were excavated, and that the remediation is complete.

In Fulcrum's opinion, no further remedial action is necessary to address the diesel spill. Fulcrum recommends that a copy of this remediation report be retained by all parties.

10.0 Limitations

Fulcrum Environmental Consulting, Inc. has performed professional services in accordance with generally accepted professional consulting principles and practices. No other warranty, expressed or implies, is made. The conclusions and recommendations are based upon our field observations, field screening, and independent laboratory analysis.

Fulcrum makes no warranties expressed or implied as to the accuracy or completeness of other's work included or referenced herein, nor the use of segregated portions of this report. This document does not imply that the property is free of other environmental concerns. This report is solely for the use and information of our client. Any reliance on this report by a third party is at that party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing at the time services were performed. Fulcrum Environmental Consulting, Inc. is not responsible for the impact of changes in environmental standards, practices, or regulations subsequent to the performance of services. Fulcrum Environmental Consulting, Inc. assumes no liability for conditions that were not included in our scope of services, or conditions not generally recognized as predictable when services were performed.

11.0 References

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Figures

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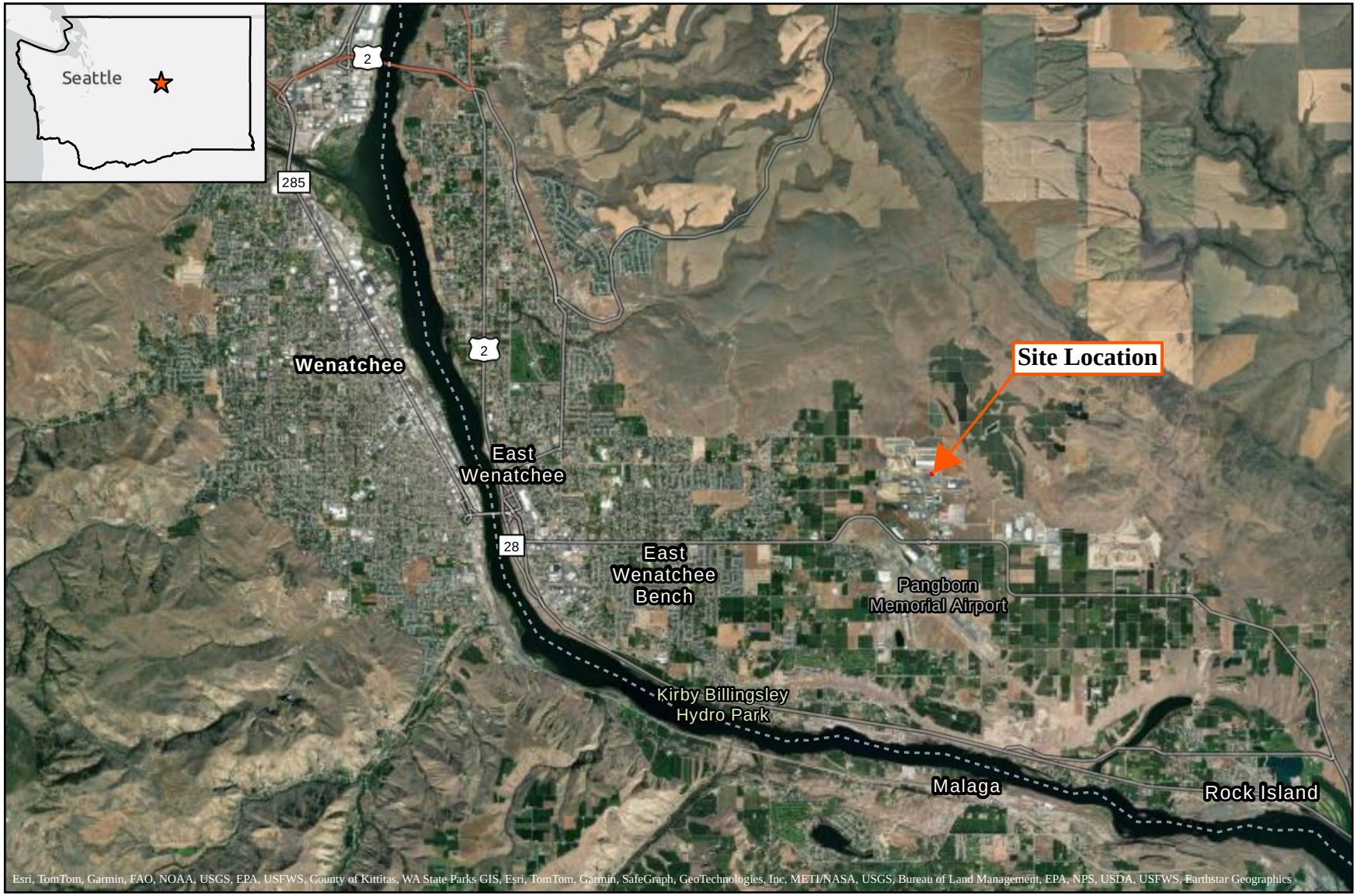
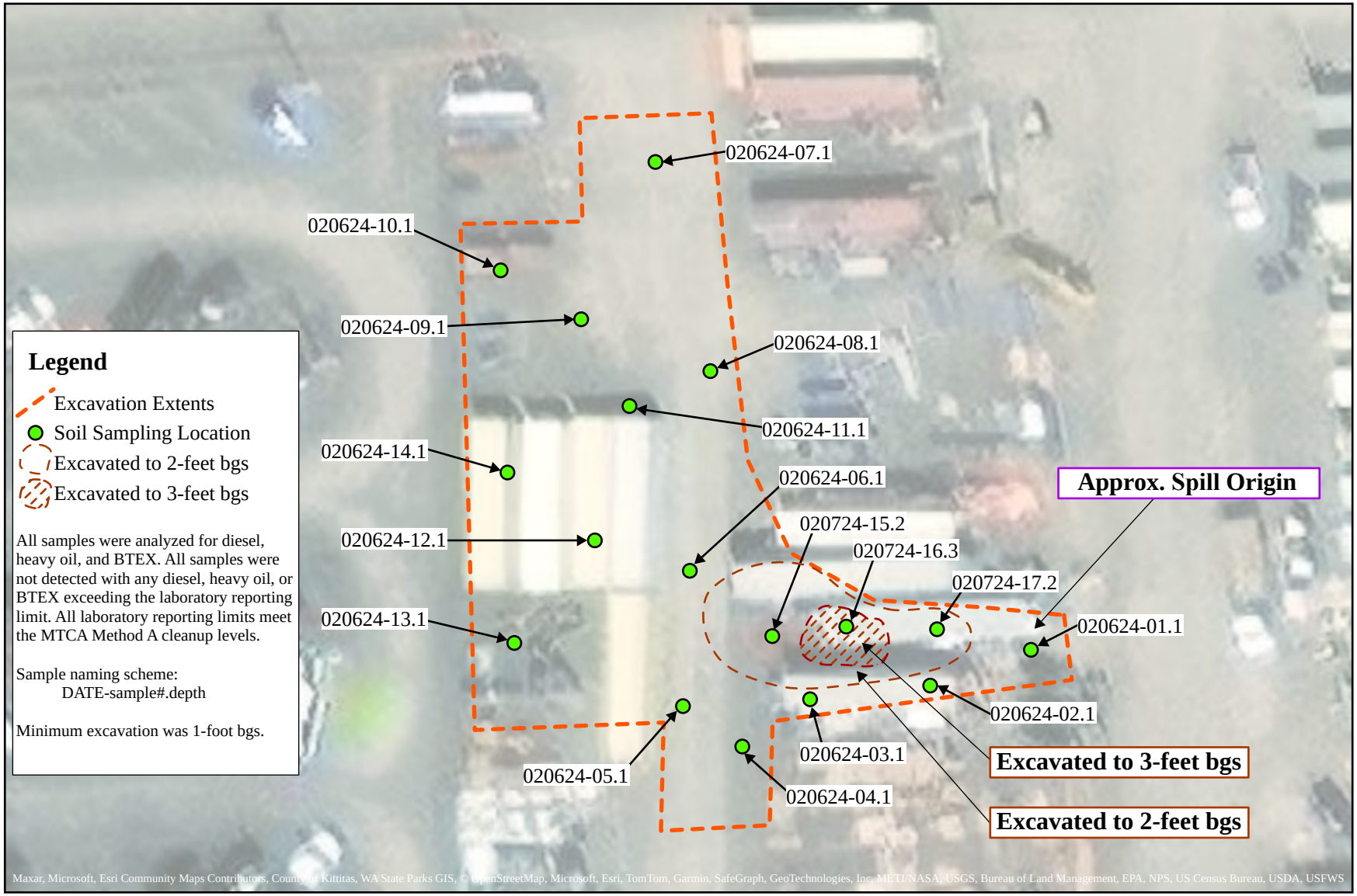


Fulcrum Environmental Consulting, Inc. 406 North Second Street, Yakima, Washington 98901 p: 509.574.0839 f: 509.575.8453 efulcrum.net. Soil Remediation. 244060.00. EAS 2.13.2024	741 Urban Industrial Way East Wenatchee, Washington	Site Location	FIGURE 1

FULCRUM environmental consulting



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Soil Remediation. 244060.00. EAS 2.13.2024

741 Urban Industrial Way
East Wenatchee, Washington

Excavation & Sample Locations

FIGURE
2

Appendix A

Professional Certifications

INSTITUTE OF HAZARDOUS MATERIALS MANAGEMENT

THIS CERTIFIES THAT

Ryan K. Mathews

HAS SUCCESSFULLY MET ALL THE REQUIREMENTS OF EDUCATION, EXPERIENCE AND EXAMINATION, AND IS HEREBY DESIGNATED A

CERTIFIED HAZARDOUS MATERIALS MANAGER®

CHMM®

1/31/2007
DATE OF CERTIFICATION

14149
CREDENTIAL NUMBER

1/31/2028
CERTIFICATION EXPIRES

EUGENE R. GUILFORD, JR.
EXECUTIVE DIRECTOR

VERIFIABLE AS AUTHENTIC AT
https://online.ihmm.org/ihmmssa/censsacustlkup.query_page

ANAB ACCREDITED PERSONNEL CERTIFICATION BODY

Accredited by the American National Standards Institute and the Council of Engineering and Scientific Specialty Boards

INTERNATIONAL CODE COUNCIL

AMANDA ENBYSK

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

Washington State Site Assesssment

Given this day August 25, 2022

Certificate No. 8485278

Cindy Davis, CBO
President, Board of Directors

Dominic Sims, CBO
Chief Executive Officer

INTERNATIONAL CODE COUNCIL, INC. CERTIFIED

Appendix B

Sample Collection Methodology

Sample Collection and Handling Methodology

Soil samples were obtained by direct collection from the desired locations. All samples were collected by scraping dirt directly into sample jars from each location. The number of sample containers at each location was determined by sample location and analyses to be performed.

Samples were collected into 4-ounce borosilicate jars with Teflon lined lids and two 40 milliliter glass vials with Teflon lined lids for each sample location. Samples for VOC analysis were collected using a new laboratory provided clean disposable impinger syringe prior to collection into the 40-milliliter glass vials. The soil samples were packaged on ice immediately after collection.

Sampling Decontamination Procedures

Every effort was made to minimize the need for decontamination of sampling equipment through use of dedicated sampling equipment (i.e., jars, bailers). Field equipment that directly contacts samples or sample containers were decontaminated prior to additional use, as well as between each sampling event. The following procedures were used to prevent cross contamination of samples collected during this project:

- Each sample was obtained in its own dedicated sampling container.
- No one sampling jar or bailer was used for multiple sampling locations.

All sample containers were pre-cleaned by the container manufacturer or selected analytical laboratory prior to shipping for sample collection, as required by the established analysis methodologies utilized for laboratory analysis and laboratory QA/QC protocol. Sample containers were not used for sample collection and storage without being certified clean by the manufacturer or analytical laboratory.

After the sample was collected and the container lids tightly sealed the exterior portion of the sample container was cleaned. Care was taken to ensure that sample labels remain legible during the exterior container cleaning.

Disposable nitrile gloves were used while collecting samples. New disposable gloves were used for each sample location.

Field Sample Custody Procedure

Each sample was issued a unique identification number. The specific designation for samples was based on the sample collection date and consecutive sample number. Sample information was recorded on a chain-of-custody form which accompanied the samples to through delivery to the laboratory. A copy of this record was maintained with analytical results and included in subsequent data reporting.

Samples were shipped overnight via common carrier to the selected laboratory under chain-of-custody for analysis.

Sample Containers, Preservation, and Holding Time Requirements

Required sample containers, preservation methods, and holding time for the analytical parameters were utilized consistent with methodology standards. Analytical precision and accuracy are defined by the analytical test methodology and the analytical laboratory QA/QC program. The following table presents required: containers, sample volume, preservation, and holding times associated with the selected laboratory analysis:

Methodology	Container	Sample Volume	Preservation	Maximum Holding time
NWTPH-DxExt For Diesel and Heavy Oils	4-ounce glass container with Teflon lined lid	4 ounces	Cool to 4º Celsius	14 days[1]
EPA Method 8260 for Volatile Organic Compounds	4-ounce glass container with Teflon lined lid and two 40-milliliter glass VOA vials with Teflon lined lid, methanol (MeOH) preserved	4 ounces + 5 grams	Cool to 4º Celsius	14 days[1]

[1] Holding time before sample extraction by the laboratory.

Appendix C

Site Photographs

The diesel spill occurred in a construction laydown area. Gravel was removed and underlying soil was field screened for diesel impact.

The spill occurred while fueling a portable fuel tank from a tanker truck. Storage containers were relocated to access soils.

The spill occurred in a graveled area. About 1-foot of impacted gravel and soil was removed throughout the remedial excavation.

An area of impacted soil was delineated with pink construction paint prior to excavation.

Field screening samples were collected in resealable plastic bags and evaluated for petroleum impact.

All soil exhibiting field screening indications of petroleum impact was excavated for disposal at Greater Wenatchee Landfill.

Petroleum impact was observed to extend to a maximum of 3-feet bgs in the east portion, in the vicinity of where the spill occurred.

View of the final excavation looking southeast. Laboratory analytical determined all petroleum impacted soil was excavated.

Appendix D

Field Screening Table

Table D-1: Field Screening

Sample ID	Location (cardinal direction within excavation)	Depth (ft)	Petroleum Odor	VOCs (ppm)	Sheen	Excavated?	Lab Sample ID
1	*East, central*	*1*	*No*	*1*	*No*	*Yes*	
2	Southeast	1	No	0	No		
3	Southeast	1	No	0	No		
4	*Northeast*	*1*	*Moderate*	*7*	*No*	*Yes*	
5	*Northeast*	*1*	*No*	*1*	*No*	*Yes*	
6	South	1	No	0	No		
7	South	1	No	0	No		
8	Southwest	1	No	0	No		
9	Southwest	1	No	0	No		
10	Southwest	1	No	0	No		
11	*East, central*	*1*	*Strong*	*16*	*No*	*Yes*	
12	*East, central*	*1*	*Slight*	*2*	*No*	*Yes*	
13	*East, central*	*1*	*No*	*1*	*No*	*Yes*	
14	Southeast	1	No	0	No		
15	Southwest	1	No	0	No		
16	West, central	1	No	0	No		
17	*West*	*1*	*Slight*	*0*	*No*	*Yes*	
18	West, central	1	No	0	No		
19	West, central	1	No	0	No		
20	*East, central*	*1*	*Slight*	*1*	*No*	*Yes*	
21	*East, central*	*1*	*Slight*	*1*	*No*	*Yes*	
22	Northeast	1	No	0	No		
23	North	1	No	0	No		
24	North	1	No	0	No		
25	North	1	No	0	No		
26	North	1	No	0	No		
27	North	1	No	0	No		
28	North	1	No	0	No		
29	North	1	No	0	No		
30	East	1	No	0	No		-01.1
31	Southeast	1	No	0	No		-02.1
32	South	1	No	0	No		-03.1
33	Southwest	1	No	0	No		-04.1
34	Southwest	1	No	0	No		-05.1
35	West, central	1	No	0	No		-06.1
36	North	1	No	0	No		-07.1
37	North	1	No	0	No		-08.1
38	West, central	1	No	0	No		-09.1
39	Northwest	1	No	0	No		-10.1
40	West, central	1	No	0	No		-11.1
41	West, central	1	No	0	No		-12.1
42	West	1	No	0	No		-13.1
43	West	1	No	0	No		-14.1
44	East, central	1	No	0	No		
45	East, central	2	No	0	No		-15.2
46[1]	East, central	1	No	0	No		
47	East, central	1	No	0	No		
48	East, central	1	No	0	No		
49	*East, central*	*1*	*Slight*	*1*	*No*	*Yes*	

Sample ID	Location (cardinal direction within excavation)	Depth (ft)	Petroleum Odor	VOCs (ppm)	Sheen	Excavated?	Lab Sample ID
50	Northeast	1	No	0	No		
51	*Northeast*	*1*	*Very slight*	*0*	*No*	*Yes*	
52	East, central	1	No	0	No		
53	East, central	1	No	0	No		
54	East, central	2	No	0	No		-17.2
55	Northeast	1	No	0	No		
56	East, central	3	No	0	No		-16.3

[1]Soil type was observed to be a coarse granitic sand.
Italics indicate field screening sample location was over-excavated

Appendix E

Laboratory Results

Fremont Analytical Report: Work Order #2402088
Fulcrum Laboratory QA/QC Review Memorandum

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Fulcrum Environmental
Ryan Mathews
406 N 2nd Street
Yakima, WA 98901

RE: 741 Urban Industrial Way Soil Remediation
Work Order Number: 2402088

February 09, 2024

Attention Ryan Mathews:

Fremont Analytical, Inc. received 18 sample(s) on 2/7/2024 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

Date: *02/09/2024*

CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation
Work Order: 2402088

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2402088-001	020624-01.1	02/06/2024 12:00 PM	02/07/2024 9:20 AM
2402088-002	020624-02.1	02/06/2024 12:10 PM	02/07/2024 9:20 AM
2402088-003	020624-03.1	02/06/2024 12:15 PM	02/07/2024 9:20 AM
2402088-004	020624-04.1	02/06/2024 12:20 PM	02/07/2024 9:20 AM
2402088-005	020624-05.1	02/06/2024 12:25 PM	02/07/2024 9:20 AM
2402088-006	020624-06.1	02/06/2024 12:30 PM	02/07/2024 9:20 AM
2402088-007	020624-07.1	02/06/2024 1:10 PM	02/07/2024 9:20 AM
2402088-008	020624-08.1	02/06/2024 1:15 PM	02/07/2024 9:20 AM
2402088-009	020624-09.1	02/06/2024 1:20 PM	02/07/2024 9:20 AM
2402088-010	020624-10.1	02/06/2024 2:00 PM	02/07/2024 9:20 AM
2402088-011	020624-11.1	02/06/2024 2:10 PM	02/07/2024 9:20 AM
2402088-012	020624-12.1	02/06/2024 2:25 PM	02/07/2024 9:20 AM
2402088-013	020624-13.1	02/06/2024 2:50 PM	02/07/2024 9:20 AM
2402088-014	020624-14.1	02/06/2024 2:35 PM	02/07/2024 9:20 AM
2402088-015	020724-15.2	02/07/2024 9:10 AM	02/08/2024 9:16 AM
2402088-016	020724-16.3	02/07/2024 10:00 AM	02/08/2024 9:16 AM
2402088-017	020724-17.2	02/07/2024 10:15 AM	02/08/2024 9:16 AM
2402088-018	020724-18.3	02/07/2024 10:20 AM	02/08/2024 9:16 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Case Narrative

WO#: **2402088**
Date: **2/9/2024**

CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Associated LCS is outside of control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Method Detection Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
DUP - Sample Duplicate
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MCL - Maximum Contaminant Level
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
REP - Sample Replicate
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:00:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-001
Matrix: Soil
Client Sample ID: 020624-01.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42848			Analyst: AP
Diesel Range Organics	ND	55.4	14.6		mg/Kg-dry	1	02/07/24 13:52:24
Heavy Oil	ND	111	20.2		mg/Kg-dry	1	02/07/24 13:52:24
Total Petroleum Hydrocarbons	ND	166	34.8		mg/Kg-dry	1	02/07/24 13:52:24
Surr: 2-Fluorobiphenyl	89.4	50 - 150			%Rec	1	02/07/24 13:52:24
Surr: o-Terphenyl	86.4	50 - 150			%Rec	1	02/07/24 13:52:24
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42849			Analyst: KJ
Benzene	ND	0.0164	0.00995		mg/Kg-dry	1	02/07/24 23:03:46
Toluene	ND	0.0280	0.0194		mg/Kg-dry	1	02/07/24 23:03:46
Ethylbenzene	ND	0.0234	0.0126		mg/Kg-dry	1	02/07/24 23:03:46
m,p-Xylene	0.0252	0.0467	0.0237	J	mg/Kg-dry	1	02/07/24 23:03:46
o-Xylene	0.0152	0.0234	0.0106	J	mg/Kg-dry	1	02/07/24 23:03:46
Surr: Dibromofluoromethane	104	79.2 - 123			%Rec	1	02/07/24 23:03:46
Surr: Toluene-d8	98.6	77.6 - 126			%Rec	1	02/07/24 23:03:46
Surr: 1-Bromo-4-fluorobenzene	101	72 - 131			%Rec	1	02/07/24 23:03:46
Sample Moisture (Percent Moisture)				Batch ID: R89461			Analyst: YL
Percent Moisture	11.0	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:10:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-002
Matrix: Soil
Client Sample ID: 020624-02.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42848			Analyst: AP
Diesel Range Organics	ND	57.1	15.0		mg/Kg-dry	1	02/07/24 14:25:08
Heavy Oil	ND	114	20.8		mg/Kg-dry	1	02/07/24 14:25:08
Total Petroleum Hydrocarbons	ND	171	35.8		mg/Kg-dry	1	02/07/24 14:25:08
Surr: 2-Fluorobiphenyl	86.3	50 - 150			%Rec	1	02/07/24 14:25:08
Surr: o-Terphenyl	87.6	50 - 150			%Rec	1	02/07/24 14:25:08
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42849			Analyst: KJ
Benzene	ND	0.0167	0.0102		mg/Kg-dry	1	02/08/24 0:03:59
Toluene	ND	0.0287	0.0198		mg/Kg-dry	1	02/08/24 0:03:59
Ethylbenzene	ND	0.0239	0.0128		mg/Kg-dry	1	02/08/24 0:03:59
m,p-Xylene	0.0255	0.0478	0.0243	J	mg/Kg-dry	1	02/08/24 0:03:59
o-Xylene	ND	0.0239	0.0109		mg/Kg-dry	1	02/08/24 0:03:59
Surr: Dibromofluoromethane	103	79.2 - 123			%Rec	1	02/08/24 0:03:59
Surr: Toluene-d8	102	77.6 - 126			%Rec	1	02/08/24 0:03:59
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 0:03:59
Sample Moisture (Percent Moisture)				Batch ID: R89461			Analyst: YL
Percent Moisture	13.4	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:15:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-003
Matrix: Soil
Client Sample ID: 020624-03.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42848			Analyst: AP
Diesel Range Organics	ND	56.4	14.8		mg/Kg-dry	1	02/07/24 14:36:13
Heavy Oil	ND	113	20.6		mg/Kg-dry	1	02/07/24 14:36:13
Total Petroleum Hydrocarbons	ND	169	35.4		mg/Kg-dry	1	02/07/24 14:36:13
Surr: 2-Fluorobiphenyl	90.2	50 - 150			%Rec	1	02/07/24 14:36:13
Surr: o-Terphenyl	90.7	50 - 150			%Rec	1	02/07/24 14:36:13
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42849			Analyst: KJ
Benzene	ND	0.0171	0.0104		mg/Kg-dry	1	02/08/24 0:34:08
Toluene	ND	0.0293	0.0202		mg/Kg-dry	1	02/08/24 0:34:08
Ethylbenzene	ND	0.0244	0.0131		mg/Kg-dry	1	02/08/24 0:34:08
m,p-Xylene	0.0272	0.0488	0.0248	J	mg/Kg-dry	1	02/08/24 0:34:08
o-Xylene	0.0165	0.0244	0.0111	J	mg/Kg-dry	1	02/08/24 0:34:08
Surr: Dibromofluoromethane	102	79.2 - 123			%Rec	1	02/08/24 0:34:08
Surr: Toluene-d8	98.4	77.6 - 126			%Rec	1	02/08/24 0:34:08
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 0:34:08
Sample Moisture (Percent Moisture)				Batch ID: R89461			Analyst: YL
Percent Moisture	12.7	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:20:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-004
Matrix: Soil
Client Sample ID: 020624-04.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42848			Analyst: AP
Diesel Range Organics	ND	55.9	14.7		mg/Kg-dry	1	02/07/24 14:47:08
Heavy Oil	ND	112	20.4		mg/Kg-dry	1	02/07/24 14:47:08
Total Petroleum Hydrocarbons	ND	168	35.1		mg/Kg-dry	1	02/07/24 14:47:08
Surr: 2-Fluorobiphenyl	96.9	50 - 150			%Rec	1	02/07/24 14:47:08
Surr: o-Terphenyl	94.7	50 - 150			%Rec	1	02/07/24 14:47:08
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42849			Analyst: KJ
Benzene	ND	0.0162	0.00983		mg/Kg-dry	1	02/08/24 1:04:16
Toluene	ND	0.0277	0.0191		mg/Kg-dry	1	02/08/24 1:04:16
Ethylbenzene	ND	0.0231	0.0124		mg/Kg-dry	1	02/08/24 1:04:16
m,p-Xylene	0.0256	0.0462	0.0235	J	mg/Kg-dry	1	02/08/24 1:04:16
o-Xylene	0.0154	0.0231	0.0105	J	mg/Kg-dry	1	02/08/24 1:04:16
Surr: Dibromofluoromethane	103	79.2 - 123			%Rec	1	02/08/24 1:04:16
Surr: Toluene-d8	99.6	77.6 - 126			%Rec	1	02/08/24 1:04:16
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 1:04:16
Sample Moisture (Percent Moisture)				Batch ID: R89461			Analyst: YL
Percent Moisture	12.0	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:25:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-005
Matrix: Soil
Client Sample ID: 020624-05.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42848			Analyst: AP
Diesel Range Organics	ND	56.4	14.8		mg/Kg-dry	1	02/07/24 14:58:04
Heavy Oil	ND	113	20.6		mg/Kg-dry	1	02/07/24 14:58:04
Total Petroleum Hydrocarbons	ND	169	35.4		mg/Kg-dry	1	02/07/24 14:58:04
Surr: 2-Fluorobiphenyl	86.3	50 - 150			%Rec	1	02/07/24 14:58:04
Surr: o-Terphenyl	84.1	50 - 150			%Rec	1	02/07/24 14:58:04
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42849			Analyst: KJ
Benzene	ND	0.0171	0.0104		mg/Kg-dry	1	02/08/24 1:34:24
Toluene	ND	0.0293	0.0202		mg/Kg-dry	1	02/08/24 1:34:24
Ethylbenzene	ND	0.0244	0.0131		mg/Kg-dry	1	02/08/24 1:34:24
m,p-Xylene	0.0264	0.0488	0.0248	J	mg/Kg-dry	1	02/08/24 1:34:24
o-Xylene	0.0158	0.0244	0.0111	J	mg/Kg-dry	1	02/08/24 1:34:24
Surr: Dibromofluoromethane	104	79.2 - 123			%Rec	1	02/08/24 1:34:24
Surr: Toluene-d8	100	77.6 - 126			%Rec	1	02/08/24 1:34:24
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 1:34:24
Sample Moisture (Percent Moisture)				Batch ID: R89461			Analyst: YL
Percent Moisture	12.9	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 12:30:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-006
Matrix: Soil
Client Sample ID: 020624-06.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	54.4	14.3		mg/Kg-dry	1	02/07/24 15:08:58
Heavy Oil	ND	109	19.8		mg/Kg-dry	1	02/07/24 15:08:58
Total Petroleum Hydrocarbons	ND	163	34.1		mg/Kg-dry	1	02/07/24 15:08:58
Surr: 2-Fluorobiphenyl	96.0	50 - 150			%Rec	1	02/07/24 15:08:58
Surr: o-Terphenyl	92.4	50 - 150			%Rec	1	02/07/24 15:08:58
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0197	0.0120		mg/Kg-dry	1	02/08/24 2:04:33
Toluene	ND	0.0338	0.0234		mg/Kg-dry	1	02/08/24 2:04:33
Ethylbenzene	ND	0.0282	0.0151		mg/Kg-dry	1	02/08/24 2:04:33
m,p-Xylene	0.0302	0.0564	0.0286	J	mg/Kg-dry	1	02/08/24 2:04:33
o-Xylene	0.0182	0.0282	0.0128	J	mg/Kg-dry	1	02/08/24 2:04:33
Surr: Dibromofluoromethane	103	79.2 - 123			%Rec	1	02/08/24 2:04:33
Surr: Toluene-d8	101	77.6 - 126			%Rec	1	02/08/24 2:04:33
Surr: 1-Bromo-4-fluorobenzene	103	72 - 131			%Rec	1	02/08/24 2:04:33
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	9.98	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 1:10:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-007
Matrix: Soil
Client Sample ID: 020624-07.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	55.1	14.5		mg/Kg-dry	1	02/07/24 16:03:36
Heavy Oil	ND	110	20.1		mg/Kg-dry	1	02/07/24 16:03:36
Total Petroleum Hydrocarbons	ND	165	34.6		mg/Kg-dry	1	02/07/24 16:03:36
Surr: 2-Fluorobiphenyl	88.3	50 - 150			%Rec	1	02/07/24 16:03:36
Surr: o-Terphenyl	83.0	50 - 150			%Rec	1	02/07/24 16:03:36
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0165	0.0100		mg/Kg-dry	1	02/08/24 2:34:41
Toluene	ND	0.0283	0.0195		mg/Kg-dry	1	02/08/24 2:34:41
Ethylbenzene	ND	0.0236	0.0127		mg/Kg-dry	1	02/08/24 2:34:41
m,p-Xylene	0.0253	0.0471	0.0240	J	mg/Kg-dry	1	02/08/24 2:34:41
o-Xylene	0.0156	0.0236	0.0107	J	mg/Kg-dry	1	02/08/24 2:34:41
Surr: Dibromofluoromethane	101	79.2 - 123			%Rec	1	02/08/24 2:34:41
Surr: Toluene-d8	99.6	77.6 - 126			%Rec	1	02/08/24 2:34:41
Surr: 1-Bromo-4-fluorobenzene	103	72 - 131			%Rec	1	02/08/24 2:34:41
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	10.8	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 1:15:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-008
Matrix: Soil
Client Sample ID: 020624-08.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	57.3	15.1		mg/Kg-dry	1	02/07/24 16:14:30
Heavy Oil	ND	115	20.9		mg/Kg-dry	1	02/07/24 16:14:30
Total Petroleum Hydrocarbons	ND	172	35.9		mg/Kg-dry	1	02/07/24 16:14:30
Surr: 2-Fluorobiphenyl	87.3	50 - 150			%Rec	1	02/07/24 16:14:30
Surr: o-Terphenyl	83.0	50 - 150			%Rec	1	02/07/24 16:14:30
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0177	0.0108		mg/Kg-dry	1	02/08/24 3:04:50
Toluene	ND	0.0303	0.0209		mg/Kg-dry	1	02/08/24 3:04:50
Ethylbenzene	ND	0.0253	0.0136		mg/Kg-dry	1	02/08/24 3:04:50
m,p-Xylene	0.0270	0.0506	0.0257	J	mg/Kg-dry	1	02/08/24 3:04:50
o-Xylene	0.0163	0.0253	0.0115	J	mg/Kg-dry	1	02/08/24 3:04:50
Surr: Dibromofluoromethane	104	79.2 - 123			%Rec	1	02/08/24 3:04:50
Surr: Toluene-d8	99.4	77.6 - 126			%Rec	1	02/08/24 3:04:50
Surr: 1-Bromo-4-fluorobenzene	99.4	72 - 131			%Rec	1	02/08/24 3:04:50
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	14.1	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 1:20:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-009
Matrix: Soil
Client Sample ID: 020624-09.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	55.8	14.7		mg/Kg-dry	1	02/07/24 16:25:22
Heavy Oil	ND	112	20.3		mg/Kg-dry	1	02/07/24 16:25:22
Total Petroleum Hydrocarbons	ND	167	35.0		mg/Kg-dry	1	02/07/24 16:25:22
Surr: 2-Fluorobiphenyl	105	50 - 150			%Rec	1	02/07/24 16:25:22
Surr: o-Terphenyl	102	50 - 150			%Rec	1	02/07/24 16:25:22
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0168	0.0102		mg/Kg-dry	1	02/08/24 3:34:58
Toluene	ND	0.0287	0.0198		mg/Kg-dry	1	02/08/24 3:34:58
Ethylbenzene	ND	0.0239	0.0129		mg/Kg-dry	1	02/08/24 3:34:58
m,p-Xylene	0.0255	0.0479	0.0243	J	mg/Kg-dry	1	02/08/24 3:34:58
o-Xylene	0.0155	0.0239	0.0109	J	mg/Kg-dry	1	02/08/24 3:34:58
Surr: Dibromofluoromethane	101	79.2 - 123			%Rec	1	02/08/24 3:34:58
Surr: Toluene-d8	101	77.6 - 126			%Rec	1	02/08/24 3:34:58
Surr: 1-Bromo-4-fluorobenzene	103	72 - 131			%Rec	1	02/08/24 3:34:58
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	12.1	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 2:00:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-010
Matrix: Soil
Client Sample ID: 020624-10.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	56.7	14.9		mg/Kg-dry	1	02/07/24 16:36:13
Heavy Oil	ND	113	20.7		mg/Kg-dry	1	02/07/24 16:36:13
Total Petroleum Hydrocarbons	ND	170	35.6		mg/Kg-dry	1	02/07/24 16:36:13
Surr: 2-Fluorobiphenyl	102	50 - 150			%Rec	1	02/07/24 16:36:13
Surr: o-Terphenyl	97.8	50 - 150			%Rec	1	02/07/24 16:36:13
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0183	0.0111		mg/Kg-dry	1	02/08/24 4:05:07
Toluene	ND	0.0313	0.0216		mg/Kg-dry	1	02/08/24 4:05:07
Ethylbenzene	ND	0.0261	0.0140		mg/Kg-dry	1	02/08/24 4:05:07
m,p-Xylene	0.0281	0.0522	0.0265	J	mg/Kg-dry	1	02/08/24 4:05:07
o-Xylene	0.0170	0.0261	0.0119	J	mg/Kg-dry	1	02/08/24 4:05:07
Surr: Dibromofluoromethane	106	79.2 - 123			%Rec	1	02/08/24 4:05:07
Surr: Toluene-d8	100	77.6 - 126			%Rec	1	02/08/24 4:05:07
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 4:05:07
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	13.3	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 2:10:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-011
Matrix: Soil
Client Sample ID: 020624-11.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	56.7	14.9		mg/Kg-dry	1	02/07/24 16:47:14
Heavy Oil	ND	113	20.7		mg/Kg-dry	1	02/07/24 16:47:14
Total Petroleum Hydrocarbons	ND	170	35.6		mg/Kg-dry	1	02/07/24 16:47:14
Surr: 2-Fluorobiphenyl	92.8	50 - 150			%Rec	1	02/07/24 16:47:14
Surr: o-Terphenyl	89.5	50 - 150			%Rec	1	02/07/24 16:47:14
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0174	0.0106		mg/Kg-dry	1	02/08/24 4:35:14
Toluene	ND	0.0299	0.0206		mg/Kg-dry	1	02/08/24 4:35:14
Ethylbenzene	ND	0.0249	0.0134		mg/Kg-dry	1	02/08/24 4:35:14
m,p-Xylene	0.0264	0.0498	0.0253	J	mg/Kg-dry	1	02/08/24 4:35:14
o-Xylene	0.0161	0.0249	0.0113	J	mg/Kg-dry	1	02/08/24 4:35:14
Surr: Dibromofluoromethane	106	79.2 - 123			%Rec	1	02/08/24 4:35:14
Surr: Toluene-d8	101	77.6 - 126			%Rec	1	02/08/24 4:35:14
Surr: 1-Bromo-4-fluorobenzene	101	72 - 131			%Rec	1	02/08/24 4:35:14
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	12.9	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 2:25:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-012
Matrix: Soil
Client Sample ID: 020624-12.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	54.7	14.4		mg/Kg-dry	1	02/07/24 16:58:05
Heavy Oil	ND	109	19.9		mg/Kg-dry	1	02/07/24 16:58:05
Total Petroleum Hydrocarbons	ND	164	34.3		mg/Kg-dry	1	02/07/24 16:58:05
Surr: 2-Fluorobiphenyl	100	50 - 150			%Rec	1	02/07/24 16:58:05
Surr: o-Terphenyl	93.9	50 - 150			%Rec	1	02/07/24 16:58:05
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0156	0.00950		mg/Kg-dry	1	02/08/24 5:05:24
Toluene	ND	0.0268	0.0185		mg/Kg-dry	1	02/08/24 5:05:24
Ethylbenzene	ND	0.0223	0.0120		mg/Kg-dry	1	02/08/24 5:05:24
m,p-Xylene	0.0244	0.0446	0.0227	J	mg/Kg-dry	1	02/08/24 5:05:24
o-Xylene	0.0149	0.0223	0.0101	J	mg/Kg-dry	1	02/08/24 5:05:24
Surr: Dibromofluoromethane	104	79.2 - 123			%Rec	1	02/08/24 5:05:24
Surr: Toluene-d8	98.7	77.6 - 126			%Rec	1	02/08/24 5:05:24
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 5:05:24
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	9.77	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 2:50:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-013
Matrix: Soil
Client Sample ID: 020624-13.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	57.3	15.1		mg/Kg-dry	1	02/07/24 17:08:55
Heavy Oil	ND	115	20.9		mg/Kg-dry	1	02/07/24 17:08:55
Total Petroleum Hydrocarbons	ND	172	35.9		mg/Kg-dry	1	02/07/24 17:08:55
Surr: 2-Fluorobiphenyl	115	50 - 150			%Rec	1	02/07/24 17:08:55
Surr: o-Terphenyl	110	50 - 150			%Rec	1	02/07/24 17:08:55
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0182	0.0111		mg/Kg-dry	1	02/08/24 5:35:31
Toluene	ND	0.0312	0.0215		mg/Kg-dry	1	02/08/24 5:35:31
Ethylbenzene	ND	0.0260	0.0140		mg/Kg-dry	1	02/08/24 5:35:31
m,p-Xylene	0.0276	0.0519	0.0264	J	mg/Kg-dry	1	02/08/24 5:35:31
o-Xylene	0.0168	0.0260	0.0118	J	mg/Kg-dry	1	02/08/24 5:35:31
Surr: Dibromofluoromethane	101	79.2 - 123			%Rec	1	02/08/24 5:35:31
Surr: Toluene-d8	97.0	77.6 - 126			%Rec	1	02/08/24 5:35:31
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 5:35:31
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	14.1	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/6/2024 2:35:00 PM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-014
Matrix: Soil
Client Sample ID: 020624-14.1

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42848		Analyst: AP
Diesel Range Organics	ND	56.9	15.0		mg/Kg-dry	1	02/07/24 17:19:46
Heavy Oil	ND	114	20.7		mg/Kg-dry	1	02/07/24 17:19:46
Total Petroleum Hydrocarbons	ND	171	35.7		mg/Kg-dry	1	02/07/24 17:19:46
Surr: 2-Fluorobiphenyl	89.9	50 - 150			%Rec	1	02/07/24 17:19:46
Surr: o-Terphenyl	84.8	50 - 150			%Rec	1	02/07/24 17:19:46
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42849		Analyst: KJ
Benzene	ND	0.0169	0.0103		mg/Kg-dry	1	02/08/24 6:05:40
Toluene	ND	0.0290	0.0200		mg/Kg-dry	1	02/08/24 6:05:40
Ethylbenzene	ND	0.0241	0.0130		mg/Kg-dry	1	02/08/24 6:05:40
m,p-Xylene	0.0258	0.0483	0.0245	J	mg/Kg-dry	1	02/08/24 6:05:40
o-Xylene	0.0156	0.0241	0.0110	J	mg/Kg-dry	1	02/08/24 6:05:40
Surr: Dibromofluoromethane	101	79.2 - 123			%Rec	1	02/08/24 6:05:40
Surr: Toluene-d8	96.9	77.6 - 126			%Rec	1	02/08/24 6:05:40
Surr: 1-Bromo-4-fluorobenzene	103	72 - 131			%Rec	1	02/08/24 6:05:40
Sample Moisture (Percent Moisture)					Batch ID: R89461		Analyst: YL
Percent Moisture	13.0	0.500	0.100		wt%	1	02/07/24 10:14:42

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/7/2024 9:10:00 AM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-015
Matrix: Soil
Client Sample ID: 020724-15.2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42868			Analyst: AP
Diesel Range Organics	ND	54.8	14.4		mg/Kg-dry	1	02/08/24 14:56:46
Heavy Oil	ND	110	20.0		mg/Kg-dry	1	02/08/24 14:56:46
Total Petroleum Hydrocarbons	ND	164	34.4		mg/Kg-dry	1	02/08/24 14:56:46
Surr: 2-Fluorobiphenyl	91.1	50 - 150			%Rec	1	02/08/24 14:56:46
Surr: o-Terphenyl	89.7	50 - 150			%Rec	1	02/08/24 14:56:46
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42869			Analyst: KJ
Benzene	ND	0.0158	0.00963		mg/Kg-dry	1	02/08/24 15:05:47
Toluene	ND	0.0271	0.0187		mg/Kg-dry	1	02/08/24 15:05:47
Ethylbenzene	ND	0.0226	0.0122		mg/Kg-dry	1	02/08/24 15:05:47
m,p-Xylene	0.0295	0.0452	0.0230	J	mg/Kg-dry	1	02/08/24 15:05:47
o-Xylene	0.0169	0.0226	0.0103	J	mg/Kg-dry	1	02/08/24 15:05:47
Surr: Dibromofluoromethane	102	79.2 - 123			%Rec	1	02/08/24 15:05:47
Surr: Toluene-d8	96.0	77.6 - 126			%Rec	1	02/08/24 15:05:47
Surr: 1-Bromo-4-fluorobenzene	102	72 - 131			%Rec	1	02/08/24 15:05:47
Sample Moisture (Percent Moisture)				Batch ID: R89488			Analyst: BS
Percent Moisture	10.4	0.500	0.100		wt%	1	02/08/24 9:59:29

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/7/2024 10:00:00 AM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-016
Matrix: Soil
Client Sample ID: 020724-16.3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.				Batch ID: 42868			Analyst: AP
Diesel Range Organics	ND	51.9	13.6		mg/Kg-dry	1	02/08/24 15:07:43
Heavy Oil	ND	104	18.9		mg/Kg-dry	1	02/08/24 15:07:43
Total Petroleum Hydrocarbons	ND	156	32.6		mg/Kg-dry	1	02/08/24 15:07:43
Surr: 2-Fluorobiphenyl	92.7	50 - 150			%Rec	1	02/08/24 15:07:43
Surr: o-Terphenyl	90.8	50 - 150			%Rec	1	02/08/24 15:07:43
Volatile Organic Compounds by EPA Method 8260D				Batch ID: 42869			Analyst: KJ
Benzene	ND	0.0184	0.0112		mg/Kg-dry	1	02/08/24 16:06:08
Toluene	ND	0.0315	0.0217		mg/Kg-dry	1	02/08/24 16:06:08
Ethylbenzene	ND	0.0262	0.0141		mg/Kg-dry	1	02/08/24 16:06:08
m,p-Xylene	0.0302	0.0524	0.0267	J	mg/Kg-dry	1	02/08/24 16:06:08
o-Xylene	0.0181	0.0262	0.0119	J	mg/Kg-dry	1	02/08/24 16:06:08
Surr: Dibromofluoromethane	102	79.2 - 123			%Rec	1	02/08/24 16:06:08
Surr: Toluene-d8	96.9	77.6 - 126			%Rec	1	02/08/24 16:06:08
Surr: 1-Bromo-4-fluorobenzene	100	72 - 131			%Rec	1	02/08/24 16:06:08
Sample Moisture (Percent Moisture)				Batch ID: R89488			Analyst: BS
Percent Moisture	9.39	0.500	0.100		wt%	1	02/08/24 9:59:29

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/7/2024 10:15:00 AM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-017
Matrix: Soil
Client Sample ID: 020724-17.2

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42868		Analyst: AP
Diesel Range Organics	ND	53.7	14.1		mg/Kg-dry	1	02/08/24 15:40:28
Heavy Oil	ND	107	19.6		mg/Kg-dry	1	02/08/24 15:40:28
Total Petroleum Hydrocarbons	ND	161	33.7		mg/Kg-dry	1	02/08/24 15:40:28
Surr: 2-Fluorobiphenyl	94.3	50 - 150			%Rec	1	02/08/24 15:40:28
Surr: o-Terphenyl	91.3	50 - 150			%Rec	1	02/08/24 15:40:28
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42869		Analyst: KJ
Benzene	ND	0.0175	0.0106		mg/Kg-dry	1	02/08/24 16:36:18
Toluene	ND	0.0300	0.0207		mg/Kg-dry	1	02/08/24 16:36:18
Ethylbenzene	ND	0.0250	0.0134		mg/Kg-dry	1	02/08/24 16:36:18
m,p-Xylene	0.0284	0.0500	0.0254	J	mg/Kg-dry	1	02/08/24 16:36:18
o-Xylene	0.0171	0.0250	0.0114	J	mg/Kg-dry	1	02/08/24 16:36:18
Surr: Dibromofluoromethane	104	79.2 - 123			%Rec	1	02/08/24 16:36:18
Surr: Toluene-d8	98.4	77.6 - 126			%Rec	1	02/08/24 16:36:18
Surr: 1-Bromo-4-fluorobenzene	101	72 - 131			%Rec	1	02/08/24 16:36:18
Sample Moisture (Percent Moisture)					Batch ID: R89488		Analyst: BS
Percent Moisture	9.91	0.500	0.100		wt%	1	02/08/24 9:59:29

Analytical Report

Work Order: **2402088**
Date Reported: **2/9/2024**

Client: Fulcrum Environmental
Collection Date: 2/7/2024 10:20:00 AM
Project: 741 Urban Industrial Way Soil Remediation
Lab ID: 2402088-018
Matrix: Soil
Client Sample ID: 020724-18.3

Analyses	Result	RL	MDL	Qual	Units	DF	Date Analyzed
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.					Batch ID: 42868		Analyst: AP
Diesel Range Organics	ND	52.6	13.8		mg/Kg-dry	1	02/08/24 15:51:29
Heavy Oil	ND	105	19.2		mg/Kg-dry	1	02/08/24 15:51:29
Total Petroleum Hydrocarbons	ND	158	33.0		mg/Kg-dry	1	02/08/24 15:51:29
Surr: 2-Fluorobiphenyl	87.7	50 - 150			%Rec	1	02/08/24 15:51:29
Surr: o-Terphenyl	86.5	50 - 150			%Rec	1	02/08/24 15:51:29
Volatile Organic Compounds by EPA Method 8260D					Batch ID: 42869		Analyst: KJ
Benzene	ND	0.0168	0.0102		mg/Kg-dry	1	02/08/24 17:06:28
Toluene	ND	0.0289	0.0199		mg/Kg-dry	1	02/08/24 17:06:28
Ethylbenzene	ND	0.0241	0.0129		mg/Kg-dry	1	02/08/24 17:06:28
m,p-Xylene	0.0271	0.0481	0.0245	J	mg/Kg-dry	1	02/08/24 17:06:28
o-Xylene	0.0162	0.0241	0.0109	J	mg/Kg-dry	1	02/08/24 17:06:28
Surr: Dibromofluoromethane	103	79.2 - 123			%Rec	1	02/08/24 17:06:28
Surr: Toluene-d8	97.0	77.6 - 126			%Rec	1	02/08/24 17:06:28
Surr: 1-Bromo-4-fluorobenzene	100	72 - 131			%Rec	1	02/08/24 17:06:28
Sample Moisture (Percent Moisture)					Batch ID: R89488		Analyst: BS
Percent Moisture	9.47	0.500	0.100		wt%	1	02/08/24 9:59:29

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-42848**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **2/7/2024**	RunNo: **89489**
Client ID: **MBLKS**	Batch ID: **42848**		Analysis Date: **2/7/2024**	SeqNo: **1868353**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.84		10.00		98.4	50	150				
Surr: o-Terphenyl	9.70		10.00		97.0	50	150				

Sample ID: **LCS-42848**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **2/7/2024**	RunNo: **89489**
Client ID: **LCSS**	Batch ID: **42848**		Analysis Date: **2/7/2024**	SeqNo: **1868354**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	503	150	500.0	0	101	80.8	118				
Surr: 2-Fluorobiphenyl	9.64		10.00		96.4	50	150				
Surr: o-Terphenyl	12.3		10.00		123	50	150				

Sample ID: **2402088-001AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **2/7/2024**	RunNo: **89489**
Client ID: **020624-01.1**	Batch ID: **42848**		Analysis Date: **2/7/2024**	SeqNo: **1868356**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	661	166	553.4	0	119	43.5	147				
Surr: 2-Fluorobiphenyl	10.2		11.07		92.3	50	150				
Surr: o-Terphenyl	13.7		11.07		124	50	150				

Sample ID: **2402088-001AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **2/7/2024**	RunNo: **89489**
Client ID: **020624-01.1**	Batch ID: **42848**		Analysis Date: **2/7/2024**	SeqNo: **1868357**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	579	166	553.9	0	105	43.5	147	661.2	13.2	30	
Surr: 2-Fluorobiphenyl	10.5		11.08		95.2	50	150		0		
Surr: o-Terphenyl	13.5		11.08		121	50	150		0		

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **MB-42868**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **2/8/2024**	RunNo: **89525**
Client ID: **MBLKS**	Batch ID: **42868**		Analysis Date: **2/8/2024**	SeqNo: **1868949**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	10.2		10.00		102	50	150				
Surr: o-Terphenyl	9.83		10.00		98.3	50	150				

Sample ID: **LCS-42868**	SampType: **LCS**	Units: **mg/Kg**	Prep Date: **2/8/2024**	RunNo: **89525**
Client ID: **LCSS**	Batch ID: **42868**		Analysis Date: **2/8/2024**	SeqNo: **1868950**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	488	150	500.0	0	97.7	80.8	118				
Surr: 2-Fluorobiphenyl	9.45		10.00		94.5	50	150				
Surr: o-Terphenyl	11.9		10.00		119	50	150				

Sample ID: **2402088-016AMS**	SampType: **MS**	Units: **mg/Kg-dry**	Prep Date: **2/8/2024**	RunNo: **89525**
Client ID: **020724-16.3**	Batch ID: **42868**		Analysis Date: **2/8/2024**	SeqNo: **1868953**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	509	161	537.8	0	94.6	43.5	147				
Surr: 2-Fluorobiphenyl	10.0		10.76		93.3	50	150				
Surr: o-Terphenyl	12.8		10.76		119	50	150				

Sample ID: **2402088-016AMSD**	SampType: **MSD**	Units: **mg/Kg-dry**	Prep Date: **2/8/2024**	RunNo: **89525**
Client ID: **020724-16.3**	Batch ID: **42868**		Analysis Date: **2/8/2024**	SeqNo: **1868954**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Total Petroleum Hydrocarbons	537	163	543.7	0	98.8	43.5	147	508.7	5.48	30	
Surr: 2-Fluorobiphenyl	10.2		10.87		93.4	50	150		0		
Surr: o-Terphenyl	13.0		10.87		120	50	150		0		

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: **2402132-005ADUP** SampType: **DUP** Units: **mg/Kg** Prep Date: **2/8/2024** RunNo: **89525**
Client ID: **BATCH** Batch ID: **42868** Analysis Date: **2/8/2024** SeqNo: **1868964**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel Range Organics	ND	47.2						0	0	30	
Heavy Oil	104	94.3						116.2	11.0	30	
Total Petroleum Hydrocarbons	104	142						116.2	11.0	30	J
Surr: 2-Fluorobiphenyl	15.7		9.434		167	50	150		0		S
Surr: o-Terphenyl	15.2		9.434		161	50	150		0		S

NOTES:
S - Outlying surrogate recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **LCS-42849**	SampType: **LCS**	Units: **µg/L**	Prep Date: **2/7/2024**	RunNo: **89479**
Client ID: **LCSS**	Batch ID: **42849**		Analysis Date: **2/7/2024**	SeqNo: **1868186**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.970	0.0175	1.000	0	97.0	80	120				
Toluene	0.934	0.0300	1.000	0	93.4	80	120				
Ethylbenzene	0.935	0.0250	1.000	0	93.5	80	120				
m,p-Xylene	1.89	0.0500	2.000	0	94.6	80	120				
o-Xylene	0.947	0.0250	1.000	0	94.7	80	120				
Surr: Dibromofluoromethane	1.20		1.250		95.9	79.2	123				
Surr: Toluene-d8	1.24		1.250		99.2	77.6	126				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.2	72	131				

Sample ID: **MB-42849**	SampType: **MBLK**	Units: **mg/Kg**	Prep Date: **2/7/2024**	RunNo: **89479**
Client ID: **MBLKS**	Batch ID: **42849**		Analysis Date: **2/7/2024**	SeqNo: **1868183**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0175									
Toluene	ND	0.0300									
Ethylbenzene	ND	0.0250									
m,p-Xylene	0.0272	0.0500									J
o-Xylene	0.0164	0.0250									J
Surr: Dibromofluoromethane	1.34		1.250		107	79.5	124				
Surr: Toluene-d8	1.23		1.250		98.7	77.5	124				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	60.5	139				

Sample ID: **2402088-001BDUP**	SampType: **DUP**	Units: **mg/Kg-dry**	Prep Date: **2/7/2024**	RunNo: **89479**
Client ID: **020624-01.1**	Batch ID: **42849**		Analysis Date: **2/7/2024**	SeqNo: **1868398**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0164						0	0	30	
Toluene	ND	0.0280						0	0	30	
Ethylbenzene	ND	0.0234						0	0	30	
m,p-Xylene	0.0250	0.0467						0.02523	0.895	30	J
o-Xylene	0.0153	0.0234						0.01520	0.656	30	J

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2402088-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **2/7/2024** RunNo: **89479**
Client ID: **020624-01.1** Batch ID: **42849** Analysis Date: **2/7/2024** SeqNo: **1868398**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	1.21		1.168		104	79.2	123		0		
Surr: Toluene-d8	1.17		1.168		100	77.6	126		0		
Surr: 1-Bromo-4-fluorobenzene	1.16		1.168		99.4	72	131		0		

Sample ID: **2402088-002BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **2/7/2024** RunNo: **89479**
Client ID: **020624-02.1** Batch ID: **42849** Analysis Date: **2/8/2024** SeqNo: **1868414**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.01	0.0167	0.9557	0	106	73	136				
Toluene	0.947	0.0287	0.9557	0	99.1	79.3	131				
Ethylbenzene	0.978	0.0239	0.9557	0	102	82.3	122.3				
m,p-Xylene	1.99	0.0478	1.911	0.02549	103	81.6	121.6				
o-Xylene	1.01	0.0239	0.9557	0	106	79.6	123				
Surr: Dibromofluoromethane	1.14		1.195		95.1	79.2	123				
Surr: Toluene-d8	1.15		1.195		96.6	77.6	126				
Surr: 1-Bromo-4-fluorobenzene	1.21		1.195		101	72	131				

Sample ID: **LCS-42869** SampType: **LCS** Units: **µg/L** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **LCSS** Batch ID: **42869** Analysis Date: **2/8/2024** SeqNo: **1869052**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	0.995	0.0175	1.000	0	99.5	80	120				
Toluene	0.928	0.0300	1.000	0	92.8	80	120				
Ethylbenzene	0.957	0.0250	1.000	0	95.7	80	120				
m,p-Xylene	1.95	0.0500	2.000	0	97.5	80	120				
o-Xylene	0.969	0.0250	1.000	0	96.9	80	120				
Surr: Dibromofluoromethane	1.20		1.250		95.8	79.2	123				
Surr: Toluene-d8	1.23		1.250		98.2	77.6	126				
Surr: 1-Bromo-4-fluorobenzene	1.24		1.250		99.3	72	131				

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **MB-42869** SampType: **MBLK** Units: **mg/Kg** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **MBLKS** Batch ID: **42869** Analysis Date: **2/8/2024** SeqNo: **1869028**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0175									
Toluene	ND	0.0300									
Ethylbenzene	ND	0.0250									
m,p-Xylene	0.0267	0.0500									J
o-Xylene	0.0162	0.0250									J
Surr: Dibromofluoromethane	1.33		1.250		106	79.5	124				
Surr: Toluene-d8	1.22		1.250		97.9	77.5	124				
Surr: 1-Bromo-4-fluorobenzene	1.29		1.250		103	60.5	139				

Sample ID: **2402088-015BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **020724-15.2** Batch ID: **42869** Analysis Date: **2/8/2024** SeqNo: **1869033**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0158						0	0	30	
Toluene	ND	0.0271						0	0	30	
Ethylbenzene	ND	0.0226						0	0	30	
m,p-Xylene	0.0272	0.0452						0.02949	8.21	30	J
o-Xylene	0.0159	0.0226						0.01686	5.77	30	J
Surr: Dibromofluoromethane	1.18		1.131		104	79.2	123		0		
Surr: Toluene-d8	1.13		1.131		99.6	77.6	126		0		
Surr: 1-Bromo-4-fluorobenzene	1.14		1.131		101	72	131		0		

Sample ID: **2402088-016BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **020724-16.3** Batch ID: **42869** Analysis Date: **2/8/2024** SeqNo: **1869037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1.04	0.0184	1.049	0	99.3	73	136				
Toluene	0.981	0.0315	1.049	0	93.5	79.3	131				
Ethylbenzene	1.00	0.0262	1.049	0	95.6	82.3	122.3				
m,p-Xylene	2.03	0.0524	2.098	0.03017	95.1	81.6	121.6				
o-Xylene	1.01	0.0262	1.049	0.01814	94.2	79.6	123				

Work Order: 2402088
CLIENT: Fulcrum Environmental
Project: 741 Urban Industrial Way Soil Remediation

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: **2402088-016BMS** SampType: **MS** Units: **mg/Kg-dry** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **020724-16.3** Batch ID: **42869** Analysis Date: **2/8/2024** SeqNo: **1869037**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	1.26		1.311		96.1	79.2	123				
Surr: Toluene-d8	1.29		1.311		98.4	77.6	126				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.311		99.4	72	131				

Sample ID: **2402093-001BDUP** SampType: **DUP** Units: **mg/Kg-dry** Prep Date: **2/8/2024** RunNo: **89528**
Client ID: **BATCH** Batch ID: **42869** Analysis Date: **2/9/2024** SeqNo: **1869040**

Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	0.0236						0	0	30	
Toluene	ND	0.0405						0	0	30	
Ethylbenzene	ND	0.0337						0	0	30	
m,p-Xylene	0.0364	0.0674						0.03653	0.500	30	J
o-Xylene	0.0220	0.0337						0.02226	1.23	30	J
Surr: Dibromofluoromethane	1.73		1.686		102	79.2	123		0		
Surr: Toluene-d8	1.68		1.686		99.5	77.6	126		0		
Surr: 1-Bromo-4-fluorobenzene	1.74		1.686		103	72	131		0		

Fremont Analytical
An Alliance Technical Group Company

Sample Log-In Check List

Client Name:	FE	Work Order Number:	2402088
Logged by:	Clare Griggs	Date Received:	2/7/2024 9:20:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	FedEx		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	2.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Sample Log-In Check List

Client Name:	FE	Work Order Number:	2402088
Logged by:	Clare Griggs	Date Received:	2/7/2024 9:20:00 AM

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	UPS		

Log In

3.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Present ☑
4.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5.	Were all items received at a temperature of >2°C to 6°C *	Yes ☑	No ☐	NA ☐
6.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
7.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8.	Are samples properly preserved?	Yes ☑	No ☐	
9.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
11.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
12.	Does paperwork match bottle labels?	Yes ☑	No ☐	
13.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
14.	Is it clear what analyses were requested?	Yes ☑	No ☐	
15.	Were all hold times (except field parameters, pH e.g.) able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date:	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

17. Additional remarks:

Item Information

Item #	Temp ºC
Sample	2.7

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

Chain of Custody Record and Laboratory Services Agreement

Fremont Analytical

3600 Fremont Ave N. *Tel: 206-352-3790*
Seattle, WA 98103 *Fax: 206-352-7178*

Date: 2/6/2024 *Laboratory Project No (internal):* 2402038

Page: 1 of: 2

Client: Fulcrum Environmental Consulting
Address: 406 North Second Street
City, State, Zip: Yakima, WA, 98901
Telephone: 509.574.0839 **Fax:** 509.575.8453

Project Name: 741 Urban Industrial Way Soil Remediation
Project No:
Collected by: Amanda Enbysk
Location: East Wenatchee, WA
Report To (PM): Ryan Mathews
PM Email: rmathews@efulcrum.net

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) | Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
020624-01.1	2/6/2024	12:00	S			X		X									
020624-02.1	2/6/2024	12:10	S			X		X									
020624-03.1	2/6/2024	12:15	S			X		X									
020624-04.1	2/6/2024	12:20	S			X		X									
020624-05.1	2/6/2024	12:25	S			X		X									
020624-06.1	2/6/2024	12:30	S			X		X									
020624-07.1	2/6/2024	13:10	S			X		X									
020624-08.1	2/6/2024	13:15	S			X		X									
020624-09.1	2/6/2024	13:20	S			X		X									
020624-10.1	2/6/2024	14:00	S			X		X									

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual*: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around times for samples received after 4:00pm will begin on the following business day

Special Remarks:

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x Amanda Enbysk	2/6/2024; 1600	x	2/7/24 920
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

*Please coordinate with the lab in advance

Chain of Custody Record and Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/6/2024

Laboratory Project No (internal):

Page: 2 of: 2

Project Name: 741 Urban Industrial Way Soil Remediation

Client: Fulcrum Environmental Consulting

Project No:

Collected by: Amanda Enbysk

Address: 406 North Second Street

Location: East Wenatchee, WA

City, State, Zip: Yakima, WA, 98901

Report To (PM): Ryan Mathews

Telephone: 509.574.0839 Fax: 509.575.8453

PM Email: rmathews@efulcrum.net

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
020624-11.1	2/6/2024	14:10	S			X			X									
020624-12.1	2/6/2024	14:25	S			X			X									
020624-13.1	2/6/2024	14:50	S			X			X									
020624-14.1	2/6/2024	14:35	S			X			X									

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks:

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x	2/6/24; 1600	x	2/7/24 920
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

Chain of Custody Record and Laboratory Services Agreement

Fremont Analytical
3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Date: 2/7/2024

Laboratory Project No (internal): ~~2402109~~ 2402088 2/8/24 -cg

Page: 1 of: 1

Project Name: 741 Urban Industrial Way Soil Remediation

Client: Fulcrum Environmental Consulting

Project No:

Collected by: Amanda Enbysk

Address: 406 North Second Street

Location: East Wenatchee, WA

City, State, Zip: Yakima, WA, 98901

Report To (PM): Ryan Mathews

Telephone: 509.574.0839 Fax: 509.575.8453

PM Email: rmathews@efulcrum.net

*Matrix Codes: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	VOCs (EPA 8260 / 624)	GX/BTEX	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T)	Dissolved (D)	Anions (IC)***	EDB (8011)	Comments
020724-15.2	2/7/2024	9:10	S			X			X									
020724-16.3	2/7/2024	10:00	S			X			X									
020724-17.2	2/7/2024	10:15	S			X			X									
020724-18.3	2/7/2024	10:20	S			X			X									

**Metals Analysis (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL *Individual:* Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl U V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

Sample Disposal: ☐ Return to Client ☒ Disposal by Lab (Samples will be held for 30 days unless otherwise noted. A fee may be assessed if samples are retained after 30 days.)

Turn-around times for samples received after 4:00pm will begin on the following business day.

Special Remarks: Please add samples to wo# 2402088

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished	Date/Time	Received	Date/Time
x [signature]	2/7/2024; 1545	x [signature]	2/8/24 0916
Relinquished	Date/Time	Received	Date/Time
x		x	

TAT → SameDay^ NextDay^ 2 Day 3 Day STD

^Please coordinate with the lab in advance

FULCRUM environmental consulting

Laboratory Quality Assurance/Quality Control Review

Date:	February 15, 2024
To:	Ryan K. Mathews, CIH, CHMM, Project Manager Amanda Enbysk, GIT, Project Scientist
From:	Erica Simmons, GIT, Environmental Scientist
RE:	**Fremont Analytical Work Order 2402088 QA/QC Review**
Subject	Independent Soil Remediation – Diesel Release 741 Urban Industrial Way, East Wenatchee, Washington

On February 6 and 7, 2024, Fulcrum collected seventeen soil samples and one duplicate sample for the above referenced project and submitted the samples to Fremont Analytical, Inc. (Ecology laboratory accreditation C910-23) under Work Order 2402088 for analysis. All submitted samples were analyzed and no samples were placed on hold. All samples were analyzed for:

- Diesel and Heavy Oil Range Organics by Northwest Total Petroleum Hydrocarbons (NWTPH) – Diesel Extended (Dx Ext)
- Select Volatile Organic Compounds (VOCs); benzene, toluene, ethylbenzene, and xylenes (BTEX), by EPA Method 8260D

A quality assurance/quality control (QA/QC) review of the data was completed to assess the usability of the data for the purposes of the project. All data qualifiers and notes provided by Fremont were reviewed and assessed for their impact to project samples and analytical validity.

General Data QA/QC Notes

For most project samples, two analytes, m,p-Xylene and o-Xylene on the work order, were reported with a "J" flag data qualifier. The "J" flag is used to report a condition where the analyte was detected below the method reporting limit (MRL) but above the method detection limit (MDL). A "J" flag is an estimated result. In cases where a "J" flag was identified on an analyte, the MRL should be used for evaluating the concentration relative to the screening or cleanup standards.

All laboratory control samples were reported without m,p-Xylene or o-Xylene, demonstrating that xylenes were not present in unhandled samples utilized to demonstrate laboratory processes. Select laboratory method blank and batch duplicate samples for this work order were reported with "J" flag qualifiers, indicating that low levels of m,p-Xylene and o-Xylene were more likely than not present as a result of handling and preparation of project samples.

The low levels of xylenes in the project samples should be considered false positives.

No other data qualifiers were reported on project samples.

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
efulcrum.net

FULCRUM environmental consulting

Laboratory Internal QA/QC Samples

A laboratory duplicate sample sourced from a non-project sample was reported with "S" flag data qualifiers for both surrogates; 2-Fluorobiphenyl and o-Terphenyl, associated with diesel and heavy oil range organics analysis. The associated comment reports that outlying surrogate recoveries were observed but that a duplicate analysis was performed and recovered within range. No impact to project samples were reported due to the outlying surrogate recoveries.

Field Duplicate Sample

In addition to the routine laboratory QA/QC samples and laboratory duplicate samples, Fulcrum collected one duplicate sample to submit for blind laboratory analysis. Sample 020724-18.3 was collected and submitted as a duplicate of project sample 020724-16.3. Both samples did not have diesel, heavy oil, or BTEX above the MRL. Both samples were reported with m,p-xylene and o-xylenes above the laboratory MDL but below the MRL. Fulcrum's field duplicate analysis demonstrated consistent analytical results.

Conclusion

A review of laboratory data qualifiers demonstrates that laboratory QA/QC are satisfactory and should not affect project data or objectives.

P. 509.574.0839 F. 509.575.8453
406 North 2nd Street
Yakima, Washington 98901
efulcrum.net

Appendix F

Soil Disposal Documentation

Customer Summary Report
Criteria: 02/01/2024 12:00 AM to 02/12/2024 11:59 PM
Name: Greater Wenatchee Regional Landfill - S04215 (USA)
Profile: 118746WA

Ticket Date	Ticket ID	Cust Code	MAS Unique ID	Customer	Generator	Manifest	Profile	Truck	Material	Material Description	Origin	Rate	Rate Unit	Rate Qty	Yards	Tons	Material Revenue	Tax Revenue	Surcharge Revenue	Total
2/1/2024	975765	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74		118746WA	NONE	PRO	PROFILE FEE SPECIAL WASTE $85			EA	1	0	0				
Material Total	1													1	0	0				
2/6/2024	976053	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	27.49	0	27.49				
2/6/2024	976058	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	33.5	0	33.5				
2/6/2024	976062	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	30.53	0	30.53				
2/6/2024	976068	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	33.32	0	33.32				
2/6/2024	976073	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	34.64	0	34.64				
2/6/2024	976078	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	32.2	0	32.2				
2/6/2024	976080	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	32.88	0	32.88				
2/6/2024	976083	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	35.27	0	35.27				
2/6/2024	976086	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	32.83	0	32.83				
2/6/2024	976090	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	36.04	0	36.04				
2/6/2024	976092	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	35.39	0	35.39				
2/6/2024	976097	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	35.14	0	35.14				
2/6/2024	976098	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	32.79	0	32.79				
2/6/2024	976101	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	33.88	0	33.88				
2/6/2024	976107	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	0	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	26.17	0	26.17				
2/6/2024	976108	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	winkler	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	29.08	0	29.08				
2/6/2024	976112	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	27.96	0	27.96				
2/6/2024	976117	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	28.07	0	28.07				
2/6/2024	976122	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	28.27	0	28.27				
2/6/2024	976127	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	28.28	0	28.28				
2/6/2024	976129	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	24.93	0	24.93				
2/6/2024	976133	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	26.45	0	26.45				
2/6/2024	976138	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3138	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	28.69	0	28.69				
2/6/2024	976140	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	26.89	0	26.89				
2/6/2024	976143	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	28.92	0	28.92				
2/6/2024	976145	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	29.67	0	29.67				
2/6/2024	976146	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	27.24	0	27.24				
2/6/2024	976150	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	27.98	0	27.98				
2/7/2024	976187	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3139	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	27.73	0	27.73				
2/7/2024	976190	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	29.52	0	29.52				
2/7/2024	976196	0508975	299495653005	WILLIAM WINKLER COMPANY	133-WILLIAM WINKLER COMPANY 74	118746wa	118746WA	3180	Spwaste Solid Oth-Tons	Special Waste Solid Other	DOUGLAS		TON	17.32	0	17.32				
Material Total	31													929.07	0	929.07				
Customer Total	32													930.07	0	929.07				
Ticket Totals	32													930.07	0	929.07				

External Customer	Loads	Yards	Tons	Total Ticket Amount
WILLIAM WINKLER COMPANY	32	0	929.07	

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976053

Customer Name WILLIAM WINKLER COMPANY
Ticket Date 02/06/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

Carrier WM Winkler
Vehicle# 3180
Container
Driver
Check#
Billing# 0508975
Grid

	Time	Scale	Operator	Inbound		
In	02/06/2024 08:40:24	Inbound	Janelle		Gross	102280 lb
Out	02/06/2024 08:51:41	Outbound	Janelle		Tare	47300 lb
					Net	54980 lb
					Tons	27.49

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	27.49	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	27.49	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976058

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 08:58:57	Inbound	Janelle		Gross	107800 lb
Out	02/06/2024 09:08:17	Outbound	Janelle		Tare	40800 lb
					Net	67000 lb
					Tons	33.50

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	33.50	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	33.50	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Reprint
Ticket# 976062

Ph: (509) 884-2802

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 09:14:05	Inbound	Janelle		Gross	105540 lb
Out	02/06/2024 09:22:39	Outbound	Janelle		Tare	44480 lb
					Net	61060 lb
					Tons	30.53

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	30.53	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	30.53	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature J-L for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976068

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 09:28:37	Inbound	Janelle		Gross	113660 lb
Out	02/06/2024 09:35:26	Outbound	Janelle		Tare	47020 lb
					Net	66640 lb
					Tons	33.32

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	33.32	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	33.32	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Reprint
Ticket# 976073

Ph: (509) 884-2802

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 09:40:46	Inbound	Janelle		Gross	110120 lb
Out	02/06/2024 09:48:02	Outbound	Janelle		Tare	40840 lb
					Net	69280 lb
					Tons	34.64

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	34.64	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	34.64	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JW for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Reprint
Ticket# 976078

Ph: (509) 884-2802

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 09:58:03	Inbound	Janelle		Gross	108840 lb
Out	02/06/2024 10:04:07	Outbound	Janelle		Tare	44440 lb
					Net	64400 lb
					Tons	32.20

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	32.20	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	32.20	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976080

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 10:09:41	Inbound	Janelle		Gross	113000 lb
Out	02/06/2024 10:16:15	Outbound	Janelle		Tare	47240 lb
					Net	65760 lb
					Tons	32.88

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	32.88	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	32.88	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature Jd for WM Winkler 318

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976083

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

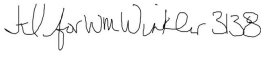
Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 10:21:55	Inbound	Janelle		Gross	111440 lb
Out	02/06/2024 10:29:55	Outbound	Janelle		Tare	40900 lb
					Net	70540 lb
					Tons	35.27

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	35.27	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	35.27	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature 

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976086

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 10:33:35	Inbound	Janelle		Gross	110360 lb
Out	02/06/2024 10:40:43	Outbound	Janelle		Tare	44700 lb
					Net	65660 lb
					Tons	32.83

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	32.83	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				
3	WWM-P-Waste Water Manag	100		%				
4	CDHD FEE-Chelan Douglas	100	32.83	Tons				

Total Tax/Fees
Total Ticket

Driver`s Signature JH for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Reprint
Ticket# 976090

Ph: (509) 884-2802

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 10:45:51	Inbound	Janelle		Gross	119820 lb
Out	02/06/2024 10:53:55	Outbound	Janelle		Tare	47740 lb
					Net	72080 lb
					Tons	36.04

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	36.04	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	36.04	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature Jl for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976092

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 11:01:15	Inbound	Janelle		Gross	111620 lb
Out	02/06/2024 11:09:17	Outbound	Janelle		Tare	40840 lb
					Net	70780 lb
					Tons	35.39

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	35.39	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				
3	WWM-P-Waste Water Manag	100		%				
4	CDHD FEE-Chelan Douglas	100	35.39	Tons				

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976097

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 11:27:26	Inbound	Janelle		Gross	115220 lb
Out	02/06/2024 11:35:20	Outbound	Janelle		Tare	44940 lb
					Net	70280 lb
					Tons	35.14

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	35.14	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	35.14	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976098

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 11:36:06	Inbound	Janelle		Gross	113840 lb
Out	02/06/2024 11:43:03	Outbound	Janelle		Tare	48260 lb
					Net	65580 lb
					Tons	32.79

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	32.79	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	32.79	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976101

Customer Name WILLIAM WINKLER COMPANY
Ticket Date 02/06/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

Carrier WM Winkler
Vehicle# 3138
Container
Driver
Check#
Billing# 0508975
Grid

	Time	Scale	Operator	Inbound		
In	02/06/2024 11:47:47	Inbound	Janelle		Gross	108500 lb
Out	02/06/2024 11:55:37	Outbound	Janelle		Tare	40740 lb
					Net	67760 lb
					Tons	33.88

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	33.88	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	33.88	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature WM Winkler 313B

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976107

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WILLIAMS NW
Ticket Date	02/06/2024	Vehicle#	0
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 12:49:53	Inbound	jvanhov		Gross	97460 lb
Out	02/06/2024 12:58:37	Outbound	jvanhov		Tare	45120 lb
					Net	52340 lb
					Tons	26.17

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	26.17	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	26.17	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976108

Customer Name WILLIAM WINKLER COMPANY
Ticket Date 02/06/2024
Payment Type Credit Account
Manual Ticket#
Route
Hauling Ticket#
Destination
Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

Carrier GENERIC SELF HAUL
Vehicle# winkler
Container
Driver
Check#
Billing# 0508975
Grid

	Time	Scale	Operator	Inbound		
In	02/06/2024 12:58:23	Inbound	jvanhov		Gross	106140 lb
Out	02/06/2024 13:05:08	Outbound	jvanhov		Tare	47980 lb
					Net	58160 lb
					Tons	29.08

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	29.08	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	29.08	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JC for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976112

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	
Manifest	118746wa		
Profile	118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)		
Generator	133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL		
PO#	23014-13		

	Time	Scale	Operator	Inbound		
In	02/06/2024 13:08:11	Inbound	Janelle		Gross	97220 lb
Out	02/06/2024 13:15:42	Outbound	Janelle		Tare	41300 lb
					Net	55920 lb
					Tons	27.96

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	27.96	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	27.96	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976117

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 13:23:31	Inbound	Janelle		Gross	101220 lb
Out	02/06/2024 13:32:24	Outbound	Janelle		Tare	45080 lb
					Net	56140 lb
					Tons	28.07

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	28.07	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	28.07	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JW for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976122

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 13:33:10	Inbound	Janelle		Gross	106080 lb
Out	02/06/2024 13:39:52	Outbound	Janelle		Tare	49540 lb
					Net	56540 lb
					Tons	28.27

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	28.27	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	28.27	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature Jd for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976127

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	
Manifest	118746wa		
Profile	118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)		
Generator	133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL		
PO#	23014-13		

	Time	Scale	Operator	Inbound		
In	02/06/2024 13:45:53	Inbound	Janelle		Gross	97940 lb
Out	02/06/2024 13:52:53	Outbound	Janelle		Tare	41380 lb
					Net	56560 lb
					Tons	28.28

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	28.28	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	28.28	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976129

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 13:58:49	Inbound	Janelle		Gross	96740 lb
Out	02/06/2024 14:05:36	Outbound	Janelle		Tare	46880 lb
					Net	49860 lb
					Tons	24.93

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	24.93	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	24.93	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976133

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 14:06:52	Inbound	Janelle		Gross	101040 lb
Out	02/06/2024 14:14:27	Outbound	Janelle		Tare	48140 lb
					Net	52900 lb
					Tons	26.45

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	26.45	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	26.45	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976138

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3138
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 14:19:40	Inbound	Janelle		Gross	98840 lb
Out	02/06/2024 16:01:23	Outbound	Janelle		Tare	41460 lb
					Net	57380 lb
					Tons	28.69

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	28.69	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	28.69	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3138

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976140

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 14:32:00	Inbound	Janelle		Gross	100080 lb
Out	02/06/2024 14:44:49	Outbound	Janelle		Tare	46300 lb
					Net	53780 lb
					Tons	26.89

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	26.89	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	26.89	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976143

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 14:41:23	Inbound	Janelle		Gross	106000 lb
Out	02/06/2024 14:51:30	Outbound	Janelle		Tare	48160 lb
					Net	57840 lb
					Tons	28.92

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	28.92	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	28.92	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802

Reprint
Ticket# 976145

Ph: (509) 884-2802

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound	Gross	104180 lb
In	02/06/2024 15:10:42	Inbound	Janelle		Tare	44840 lb
Out	02/06/2024 15:19:41	Outbound	Janelle		Net	59340 lb
					Tons	29.67

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	29.67	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	29.67	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976146

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 15:18:38	Inbound	Janelle		Gross	102640 lb
Out	02/06/2024 15:26:10	Outbound	Janelle		Tare	48160 lb
					Net	54480 lb
					Tons	27.24

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	27.24	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	27.24	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature J.W. for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976150

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/06/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/06/2024 15:44:01	Inbound	Janelle		Gross	100180 lb
Out	02/06/2024 15:59:47	Outbound	Janelle		Tare	44220 lb
					Net	55960 lb
					Tons	27.98

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	27.98	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				
3	WWM-P-Waste Water Manag	100		%				
4	CDHD FEE-Chelan Douglas	100	27.98	Tons				

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WMWinkler 3/3/24

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976187

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/07/2024	Vehicle#	3139
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/07/2024 08:35:36	Inbound	Janelle		Gross	99960 lb
Out	02/07/2024 08:43:23	Outbound	Janelle		Tare	44500 lb
					Net	55460 lb
					Tons	27.73

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	27.73	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	27.73	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JL for WM Winkler 3139

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976190

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/07/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/07/2024 08:45:19	Inbound	Janelle		Gross	107340 lb
Out	02/07/2024 08:52:22	Outbound	Janelle		Tare	48300 lb
					Net	59040 lb
					Tons	29.52

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	29.52	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	29.52	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Greater Wenatchee Regional Landfill
191 Webb Road
Wenatchee, WA 98802 Ph: (509) 884-2802

Reprint
Ticket# 976196

Customer Name	WILLIAM WINKLER COMPANY	Carrier	WM Winkler
Ticket Date	02/07/2024	Vehicle#	3180
Payment Type	Credit Account	Container	
Manual Ticket#		Driver	
Route		Check#	
Hauling Ticket#		Billing#	0508975
Destination		Grid	

Manifest 118746wa
Profile 118746WA (DIESEL FUEL IMPACTED SOIL AND/OR DEBRIS CLEANUP)
Generator 133-WILLIAM WINKLER COMPANY 74 WILLIAM WINKLER COMPANY 741 URBAN INDUSTRIAL
PO# 23014-13

	Time	Scale	Operator	Inbound		
In	02/07/2024 09:32:24	Inbound	Janelle		Gross	82980 lb
Out	02/07/2024 09:39:58	Outbound	Janelle		Tare	48340 lb
					Net	34640 lb
					Tons	17.32

Comments

	Product	LD%	Qty	UOM	Rate	Tax/Fee	Amount	Origin
1	Spwaste Solid Oth-Tons-	100	17.32	Tons				DOUGLAS
2	ENERGY-Energy Surcharge	100		%				DOUGLAS
3	WWM-P-Waste Water Manag	100		%				DOUGLAS
4	CDHD FEE-Chelan Douglas	100	17.32	Tons				DOUGLAS

Total Tax/Fees
Total Ticket

Driver`s Signature JD for WM Winkler 3180

The total amount includes fees and taxes that may not all be listed on this ticket due to technic
limitation.

Appendix G

Terrestrial Ecological Evaluation Form

Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation.

Step 1: IDENTIFY HAZARDOUS WASTE SITE	
Please identify below the hazardous waste site for which you are documenting an evaluation.	
Facility/Site Name: 741 Urban Industrial Way	
Facility/Site Address: 741 Urban Industrial Way, East Wenatchee, Washington 98901	
Facility/Site No: N/A	VCP Project No.: N/A

Step 2: IDENTIFY EVALUATOR		
Please identify below the person who conducted the evaluation and their contact information.		
Name: Amanda Enbysk		Title: Project Scientist
Organization: Fulcrum Environmental Consulting, Inc.		
Mailing address: 406 North 2nd Street		
City: Yakima	State: WA	Zip code: 98901
Phone: 509.574.0839	Fax: 509.575.8453	E-mail: info@efulcrum.net

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

☐ Yes *If you answered **"YES,"** then answer **Question 2**.*

☒ No or Unknown *If you answered **"NO" or "UNKNOWN,"** then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? *Check all that apply. Then skip to **Step 4** of this form.*

Point of Compliance: WAC 173-340-7491(1)(a)

☐ All soil contamination is, or will be,* at least 15 feet below the surface.

☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.

☐ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

[±] "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

[#] "Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

☒ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No or Unknown *If you answered **"NO"** or **"UNKNOWN,"** then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

☒ Yes *If you answered **"YES,"** then answer **Question 3** below.*

☐ No *If you answered **"NO,"** then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

☐ Yes *If you answered **"YES,"** then answer **Question 4** below.*

☒ No *If you answered **"NO,"** then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*

☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? *Check all that apply. Then skip to **Step 4** of this form.*

Exposure Analysis: WAC 173-340-7492(2)(a)

☐ Area of soil contamination at the Site is not more than 350 square feet.

☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

☒ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.

☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. *See* WAC 173-340-7493(1)(c).

1. Was there a problem? *See* WAC 173-340-7493(2).

☐ Yes *If you answered **"YES,"** then answer **Question 2** below.*

☐ No *If you answered **"NO,"** then identify the reason here and then skip to **Question 5** below:*

- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? *See* WAC 173-340-7493(3).

- ☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- ☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?
Check all that apply. See WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

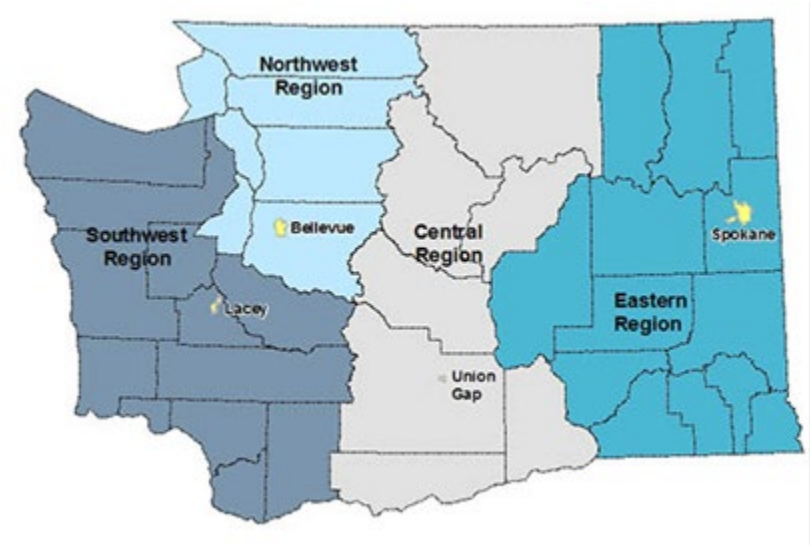
5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

☐ Yes If so, please identify the Ecology staff who approved those steps:

☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160th Ave. SE Bellevue, WA 98008-5452	**Central Region:** Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	**Eastern Region:** Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

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