December 1, 2023
File No. 25222265.00

Ms. Alicia Zewicki
Wisconsin Department of Natural Resources
141 NW Barstow St.
Waukesha, WI 53188-3789

Subject: Boundary Road Landfill Waste Removal Documentation Report
Phase 5 – Module 1 Liner Construction
Orchard Ridge Recycling and Disposal Facility, Menomonee Falls, Wisconsin
Boundary Road Landfill WDNR License #11, EPA ID #WID058735994
Orchard Ridge RDF Eastern Expansion, WDNR License #4491

Dear Ms. Zewicki:

On behalf of Waste Management of Wisconsin, Inc. (WMWI), SCS Engineers (SCS) is submitting this report titled *Boundary Road Landfill Waste Removal Documentation Report, Orchard Ridge RDF East Expansion, Southern Unit - Phase 5 Module 1*. The waste removal documentation report was prepared In accordance with Condition 8 of the conditional Plan of Operation approval for the Orchard Ridge Eastern Expansion, Southern Unit, dated December 15, 2022.

The report is being submitted electronically to you and to the copy recipients listed below. Hard copies will be provided on request.

If you have any questions regarding this submittal, please contact Dan Roche (WMWI) at 630-362-9550.

Sincerely,

Eric Oelkers, PG
Senior Project Manager
SCS Engineers

Sherren Clark, PE, PG
Project Director
SCS Engineers

SCC/AJR/EO

cc: BJ LeRoy, WDNR
Dan Roche, WMWI
Brett Coogan, WMWI
Tyler Field, WMWI

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Boundary Road Landfill Waste Removal Documentation Report
Orchard Ridge RDF East Expansion, Southern Unit - Phase 5 Module 1

Boundary Road Landfill
Menomonee Falls, Wisconsin
WDNR License #11
EPA ID #WID058735994

Prepared for:

Waste Management of Wisconsin, Inc.
Orchard Ridge RDF
N96 W13073 County Line Rd.
Menomonee Falls, Wisconsin 53051

SCS ENGINEERS

25222265.00 | December 1, 2023

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1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

This Waste Removal Documentation Report for the Boundary Road Landfill (BRL) documents the relocation of waste during the Orchard Ridge Recycling and Disposal Facility East Expansion, Southern Unit Phase 5 Module 1 (P5M1) construction. The report was prepared by SCS Engineers (SCS) on behalf of Waste Management of Wisconsin, Inc. (WMWI) in accordance with Condition 8 of the conditional Plan of Operation Approval for Orchard Ridge Recycling & Disposal Facility (RDF) Eastern Expansion, Southern Unit, License #4491 dated December 15, 2022.

1.2 BACKGROUND

Boundary Road Landfill (BRL) (License #11, EPA ID #WID0558735994) is a National Priorities List (NPL) listed site located on the Orchard Ridge RDF property. Development of the East Expansion, Southern Unit includes the excavation of BRL waste (both inside and outside the footprint of the Southern Unit) and re-disposal of the waste within an adjacent landfill phase including Orchard Ridge Recycling and Disposal Facility (RDF, License 3360), the Orchard Ridge RDF East Expansion (License 4491), and/or constructed portions of the Eastern Expansion, Southern Unit.

BRL began accepting waste in or around 1954 and continued until 1971. In the early 1980s, WMWI installed an approved landfill cover with vegetation and constructed a slurry cutoff wall and leachate collection system along the southern perimeter of the site. In the late 1990s, WMWI performed remedial action (RA) according to an approved Record of Decision (ROD) and Wisconsin Department of Natural Resources (WDNR) Environmental Repair Contract (#SF-90-01). The RA included placement of final cover consisting of 2 feet of compacted clay, 1.5 feet of rooting zone and 6 inches of topsoil. WMWI also completed 12 acres of asphalt and constructed three leachate extraction wells, landfill gas and leachate piping, blower, and flare. A portion of the asphalt paving is underlain by waste.

Pre-construction conditions are shown on **Figure 1**.

1.3 SUMMARY OF WORK

Removal of the BRL waste for the Orchard Ridge P5M1 cell construction included the following tasks:

- Stripping and stockpiling the existing final cover system, including an estimated 6 inches of topsoil, 1.5 feet of rooting zone, and 2 feet of compacted clay.
- Stripping and stockpiling asphalt and road base materials from the asphalt-covered portion of BRL.
- Excavation and relocation of grading layer soil below the BRL cover system.
- Excavation and relocation of BRL waste.
- Excavation and relocation of soil below the BRL waste as needed to achieve the design P5M1 subbase grades.
- Abandonment of monitoring points.

- Installation of temporary monitoring well.

- Air monitoring during excavation and relocation activities.

The majority of the waste removal activities associated with P5M1 construction were completed by RiverView Construction LLC. (RiverView) and documented by SCS. Waste removal for P5M1 began on December 15, 2022, and was substantially completed on May 9, 2023. Installation of new temporary monitoring well TMW-501 occurred on August 16, 2023, and the well was sampled on September 13, 2023, and November 16, 2023.

1.4 NOTIFICATIONS

WMWI notified WDNR of waste removal activities in accordance with Conditions 4 and 5 of the Plan of Operation approval, including the following:

- WM notified WDNR on December 15, 2022, that Riverview would move forward with BRL excavation, starting with the upper cap layers and the east culvert area.

- SCS and WM provided training on recognition of suspicious waste and appropriate responses to Riverview's project manager, on-site superintendent, and equipment operators in two sessions on December 15 and December 19, 2022. WDNR staff were invited to attend the December 19 session.

- WM provided WDNR with a copy of SCS Engineers Health and Safety Plan for oversight activities related to the waste excavation project on December 21, 2022.

- WDNR was notified on February 17, 2023, that a suspicious waste material was encountered during waste removal.

Copies of these notifications are included in **Appendix A**.

2.0 MONITORING POINT ABANDONMENTS

Groundwater, surface water, leachate, and landfill gas monitoring points associated with BRL and/or Orchard Ridge monitoring programs that were located within the footprint of the P5M1 construction were abandoned. Monitoring points and infrastructure abandoned during this phase of construction are shown on **Figure 2**.

Groundwater monitoring wells associated with the Orchard Ridge East Expansion monitoring program that were abandoned include S302, S302A, and S302B. Groundwater monitoring wells associated with the BRL monitoring program that were abandoned include P101, TW2R, and TW3R. The wells were abandoned by overdrilling in accordance with NR 507 and NR 141. Monitoring well abandonment documentation was previously submitted to the WDNR and is also included in **Appendix B**.

Additionally, the following items associated with the BRL monitoring program were abandoned during this phase of construction:

- **SW-1:** Surface water monitoring point abandoned by full removal.

- **LHW-4:** Leachate headwell abandoned by full removal during waste excavation.

- **LHW-6:** Leachate headwell abandoned by full removal during waste excavation.

- **G-10:** Landfill gas horizontal collection piping removed during waste excavation within the phase limits. Piping cut and capped near G-9.

- **LEW101, LEW102, LEW103:** Leachate extraction wells disconnected from leachate forcemain with pipe cut and cap. Leachate forcemain piping removed during waste excavation within the phase extents, and cut and capped at limits of waste excavation. Leachate extraction wells remain in place to be fully removed with subsequent phases of construction.

3.0 WASTE REMOVAL

Waste removal activities were performed using excavator equipment and off-road haul trucks. Waste removal activities began on December 15, 2022, and were substantially completed on May 9, 2023.

3.1 AMBIENT AIR MONITORING

During the waste removal activities, ambient air monitoring was performed on and at the limits of the Orchard Ridge property to assess air quality where the public may be present. Samples were typically collected at four locations for each event, to document conditions upwind and downwind from the waste removal activities. Each sample was collected over an approximate 24-hour sampling period spanning 2 work days for comparison with 24-hour ambient air quality standards. Samples were analyzed for volatile organic compounds (VOCs) and particulate matter with a diameter of 10 micrometers or less (PM10).

Ambient air monitoring began on November 10, 2022, prior to the start of waste exhumation activities and was performed until waste exhumation activities were completed. Monitoring was performed on an approximate weekly basis. The monitoring methods and results of the ambient air monitoring performed are included in **Appendix C**. Air monitoring results (and weather observations) were previously reported to WDNR for each event, typically within a week of receipt of the laboratory reports.

3.2 COVER MATERIAL STRIPPING

The existing final cover over the closed BRL consists of (from top to bottom) approximately 0.5 feet of topsoil, 1.5 feet of general fill rooting zone, 2 feet of clay cap, and a grading layer of general fill and treated petroleum-contaminated soil. A portion of BRL has an asphalt cover in lieu of the cover system described above. These cover materials were stripped and stockpiled for future use with the exception of the grading layer material, which was handled as waste for this phase of construction as described in **Section 3.3**.

The summary below includes the approximate estimated volume of stripped BRL cover materials during this phase of construction:

- **Topsoil:** 9,500 cy
- **Rooting Zone:** 18,200 cy
- **Clay Cap:** 26,000 cy
- **Asphalt:** 7,500 cy

Topsoil was stockpiled for future use in restoration of the perimeter areas or final cover areas. The rooting zone soils consisted of clay in most of the excavated BRL cap area and the clay was approved by the WDNR for use in the Orchard Ridge P5M1 liner. Additional rooting zone soils not meeting the clay criteria were used as general fill. The BRL clay cap soils were used in the Orchard Ridge P5M1 liner. Asphalt was crushed and stockpiled for reuse.

3.3 WASTE RELOCATION

Waste removal from BRL began on December 15, 2022, and was substantially completed on May 9, 2023. Waste from BRL was relocated for disposal within ORL. The majority of waste relocated from December 15, 2022, to February 3, 2023, was relocated to Orchard Ridge RDF East Expansion and the majority of waste relocated from February 6, 2023, to May 9, 2023, was relocated to Orchard Ridge RDF Southern Expansion.

Grading layer soil below the clay cap was not segregated from the BRL waste for potential reuse during this phase of construction. The grading layer material was hauled and relocated with the waste stream for disposal within ORL. The approximate estimated volume of waste relocated during this phase of construction (including grading layer material) was 515,200 cy. The approximate limits of the waste excavation are shown on **Figure 3**.

Waste was removed in lifts across the P5M1 waste removal limits, generally working from east to west. The waste included municipal solid waste, construction and demolition waste, and commercial/industrial waste materials. Suspicious or hazardous waste was not encountered except as described below in **Section 3.4**. Soil within the waste was disposed of as waste.

Additional soil below and adjacent to the BRL waste limits was screened as described in **Section 3.5**. Soil that was excavated below BRL waste was disposed of with the waste stream within ORL. Soil from the north berm, adjacent to the waste, that did not exceed NR 720 direct contact standards was stockpiled in ORL for use as daily cover. The approximate estimated volume of additional soil excavated below waste to reach the subbase grades or remove unsuitable material for P5M1 liner subbase was 26,200 cy.

Groundwater, leachate, and storm water within the waste excavation was pumped from temporary sumps or low areas via temporary piping to the ORL leachate forcemain system, and ultimately discharged to the Milwaukee Metropolitan Sewerage District (MMSD) under the facility's current MMSD permit.

3.4 SUSPICIOUS MATERIAL

Suspicious material is defined as material that may be considered hazardous under current regulations and cannot be transferred to ORL. Waste that was identified as suspicious material was managed as potentially hazardous until additional screening and characterization could be performed.

During the waste removal activities for P5M1 construction, one item was identified as suspicious waste. On February 13, 2023, a single, non-intact barrel was encountered. The 55-gallon drum was partially torn open and appeared to contain a solid cohesive mass of vesicular, multi-colored green/red material such as resin or dried paint. Although the drum was not intact, the contents appear to have remained in the drum. No label was visible on the drum. The WDNR was notified of the suspicious waste on February 17, 2023, see correspondence in **Appendix A**.

The drum was placed on the BRL waste surface adjacent to the excavation area for inspection. The drum was inspected on February 14, 2023. Field screened of the headspace in a bagged sample of the material with a photoionization detector (PID) calibrated to 100 ppm isobutylene produced a reading of 2,000 parts per million (ppm). On February 15, 2023, the drum was placed in a lined and covered roll-off container, provided by North Shore Environmental Construction (NSEC) pending further evaluation. The roll-off container was located within the BRL waste footprint.

The contents of the drum were sampled on March 3, 2023, and March 16, 2023, and analyzed for polychlorinated biphenyls (PCBs), Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP metals, and TCLP semi-VOCs. The results from the analytical testing exceeded TCLP toxicity limits for benzene and lead, and the sample contained 3.5 ppm PCBs. Analytical lab reports are included in **Appendix D.** The roll-off container was labeled to indicate the contents contained hazardous waste. The waste did not require treatment prior to disposal. The drum was shipped to Chemical Waste Management, Inc., in Emelle, Alabama, for disposal on May 16, 2023. Drum disposal documentation is included in **Appendix E.**

3.5 POST-WASTE EXCAVATION SOIL SAMPLING

3.5.1 Sample Locations

Soil underlying and adjacent to BRL waste was sampled for classification and identification of possible uses, evaluation for potential additional excavation for "hot spot removal," and to document remaining contaminant concentrations at the limits of excavation. Sample locations are described below. In general, where multiple sample depths are shown at a location, the deepest (lowest elevation) sample represents the soil remaining after excavation.

- **Phase 5 Module 1 Base:** A total of 15 samples were collected from (or below) the base of the excavation at the 10 locations proposed in the Property Redevelopment plan on a minimum 0.5-acre grid within the Phase 5 Module 1 area. Samples were collected at multiple depths at locations P5M1-1 and P5M1-8. The three samples at location P5M1-8 were collected with a Geoprobe.

- **Future Phase 5 Module 2 Base:** A total of 12 samples were collected from at (or below) the base of the excavation at the 10 locations proposed in the Property Redevelopment plan on a minimum 0.5-acre grid within the future Phase 5 Module 2 area. Samples were collected at multiple depths at locations P5M2-1 and P5M2-9.

- **Base Outside BRL Clay Cap Area:** A total of 14 samples ("Outside-1" through "Outside-14") were collected from the base of the excavation at 14 locations following excavation of BRL waste outside the BRL clay cap area, where waste was excavated below the asphalt parking area. Six of these locations were as proposed in the Property Redevelopment plan, on a minimum 0.5-acre grid east of the Phase 5 area. The remaining eight samples were collected on a 150-foot north-south spacing as BRL waste was removed during excavation for a storm water drainage pipe (East Culvert) adjacent to Boundary Road.

- **East Limit of Excavation:** A total of 7 samples ("Outside-2 Edge" through "Outside-8 Edge") were collected from the side wall of the excavation at seven locations following excavation of the remaining waste between the new storm water drainage pipe (East

Culvert) and Boundary Road. These samples represent conditions at the eastern limit of excavation.

- **North Berm:** A total of 19 samples were collected from 10 locations aligned on a northern extension of the Phase 5 sampling grid during the removal of the BRL north perimeter berm.

Soil samples below the waste were generally collected at the surface as excavation progressed, rather than from borings or test pits. Exceptions included two geoprobe borings, which were advanced through waste into the underlying soil at two locations within the waste excavation area, and shallow test pits at four locations in the north berm. Logs of the geoprobe borings are included in **Appendix F**.

In addition to the post-excavation samples described above, a limited number of additional soil samples were collected for planning and evaluation purposes. These samples included two samples from the grading layer in the western portion of Phase 5 (P5M1-8 and P5M1-9) and four samples from two geoprobe borings installed south of the active excavation area (WC20 and WC21). Logs of the geoprobe borings are included in **Appendix F**.

3.5.2 Sample Analysis and Results

Soil samples were analyzed for VOCs, PCBs, and RCRA metals. Analytical results are summarized in **Table 1** and the laboratory reports for the waste excavation soil sampling are included in **Appendix G**. The classification of each soil sample as either Clean, Type 1, Type 2A, or Type 2B soils as described in the Property Redevelopment Plan is shown in **Table 1**. The locations of the post-waste excavation soil samples with the excavation grades are shown on **Figure 3**. Samples representing soil that was later excavated are identified as "Excavated" in **Table 1**. As noted in **Section 3.3** soil excavated below the BRL waste was disposed with the excavated waste within ORL.

Among the eight RCRA metals analyzed, mercury, arsenic, barium, cadmium, chromium, and lead were detected in more than 90 percent of the 76 samples analyzed. Silver and selenium were detected in only 7 to 26 percent of the samples analyzed. Results for most metals were below the NR 720 RCLs and/or Background Threshold Values (BTVs).

PCBs were detected in 13 of the 76 samples analyzed and 2 samples exceeded industrial direct contact RCLs. All of the samples where PCBs were detected exceeded the combined PCB groundwater pathway RCL of 9.4 µg/kg.

The largest proportion of VOCs detected consisted of petroleum-related VOCs. Xylenes were the most common VOC and were detected in 42 percent of the soil samples. VOCs that exceeded RCLs in one or more of the 76 samples analyzed and the number of samples with results above the RCL included the following:

- Benzene (9)
- Methylene chloride [probable lab contaminant] (9)
- Ethylbenzene (8)
- Naphthalene (6)
- 1,2,4-Trimethylbenzene (6)
- Chlorobenzene (4)
- cis-1,2-Dichloroethene (3)

- Trichloroethene (3)
- 1,3,5-Trimethylbenzene (3)
- 1,4-Dichlorobenzene (2)
- Toluene (2)
- Tetrachloroethene (1)
- 1,2-Dichloropropane (1)
- 1,2,4-Trichlorobenzene (1)
- Total xylenes (1)

The soil with the highest level of petroleum contamination, represented by samples P5M1-2 and P5M2-1, was subsequently excavated as part of an undercut. The soil samples collected at the bottom of the undercut at these locations contained no detectable VOCs (other than methylene chloride, which was also detected in the corresponding lab blanks).

For the 48 samples representing soil remaining in place below the waste excavation, metals were detected above the limit of quantitation (LOQ) and above an RCL/BTV in only three samples. The metals exceeding an RCL and the LOQ included arsenic (one sample), lead (two samples), and silver (one sample). One sample representing soil remaining in place below the waste excavation contained PCB's at a concentration exceeding an RCL and LOQ. PCBs were detected at estimated concentrations exceeding the groundwater pathway RCL but below the LOQ in additional samples. For VOCs, 21 of the 48 samples representing soil remaining in place below the waste excavation contained at least one VOC exceeding a groundwater pathway RCL, but none exceeded an industrial direct contact RCL. As discussed above, the VOCs detected were primarily petroleum-related. Most of the excavation base samples were collected near or below the water table; therefore, potential groundwater impacts can best be evaluated based on groundwater monitoring results.

The sidewall samples collected along the eastern edge of the excavation, adjacent to Boundary Road, showed relatively little residual contamination. Lead exceeded the groundwater and non-industrial direct contact RCLs in one sample. PCBs detected below the lab LOQ exceeded the groundwater pathway RCL in two samples. None of the samples from the east sidewall had VOC results exceeding RCLs.

4.0 TEMPORARY MONITORING WELLS

To evaluate groundwater conditions within the newly constructed footprint and BRL area during waste removal activities, a short-term monitoring well was installed at the leading edge of current waste exhumation phase.

4.1 MONITORING WELL INSTALLATION

Monitoring well TMW-501 was installed at the southern limit of the P5M1 construction limits, between the newly installed liner and remaining BRL waste. The monitoring well was installed on August 16, 2023. The location of the installed monitoring well is shown on **Figure 4**.

The well was constructed with a standard 2-inch-diameter well casing and screen and filter pack in an approximately 8-inch-diameter borehole. The well was constructed with a shortened filter pack seal to place the screen as close as possible to the bottom of the former waste. The well was installed to an approximate depth of 8 feet below subbase grades with 5 feet of slotted screen. The boring log, well construction form, and well development form are provided in **Appendix H**.

The boring for TMW-501 was drilled mostly through fill material and only approximately 3.5 feet below the documented waste removal grades. Soil samples were not collected from the TMW-501 boring for analytical testing; however, a soil sample was subsequently collected from a direct push adjacent to TMW-501. Geoprobe boring 501A was drilled and sampled on September 13, 2023. The soil sample was collected from a depth of 11 to 13 feet, at the depth of the screened interval of the adjacent monitoring well, and was analyzed for VOCs. VOCs detected in the soil sample included benzene, methylene chloride, naphthalene, and toluene. Only the naphthalene concentration was greater than the laboratory LOQ. The lab report is included in **Appendix I**.

4.2 GROUNDWATER MONITORING

Two rounds of groundwater samples were collected from temporary monitoring well TMW501. Sampling events occurred on September 13, 2023, and November 16, 2023. The groundwater sampling results are summarized in **Table 2** and the analytical lab reports are included in **Appendix G**. There were no confirmed NR 140 enforcement standard (ES) exceedances in the two events. The detected concentration chlorobenzene and the estimated concentration of benzene (J flagged) both slightly exceeded the corresponding NR 140 ESs in the first sampling event. In the second sampling event, both parameters were below the ES but above the NR 140 preventive action limit (PAL). No other VOCs were detected at concentrations exceeding the PALs.

5.0 CONCLUSIONS

The first phase of waste removal was completed in accordance with the approved Property Redevelopment Plan. In accordance with Condition 9 of the Plan of Operation approval, a final construction completion report will be prepared when all phases of the BRL waste relocation are complete.

Tables

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base Outside BRL Clay Cap Area								
Sample Name						**OUTSIDE 1**	**OUTSIDE - 2**	**OUTSIDE - 3**	**OUTSIDE - 4**	**OUTSIDE - 5**	**OUTSIDE - 6**	**OUTSIDE - 7**	**OUTSIDE - 8**	**OUTSIDE - 9**
Date						12/15/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022
Elevation						753.2	747.6	764.9	752.5	751.1	749.3	748.1	748.1	746.3
PID						1.1	13.4	11.2	9.4	13.0	7.3	20.0	13.0	16.3
Comment														
Percent Moisture	%					14.3	14.5	19.1	24.0	15.6	12.4	20.9	21.2	10.7
Percent Solids	%					85.7	85.5	80.9	76.0	84.4	87.6	79.1	78.8	89.3
Mercury	ug/Kg	208	3,130	3,130	--	**6.0** J	**7.3** J	**51.3**	**25.6** J	**13.2** J	**8.8** J	**62.1**	**48.3**	**11.5** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.24	<0.23	<0.25	<0.25	<0.23	<0.23	***0.92***	<0.25	<0.23
Arsenic	mg/Kg	0.584	3	0.677	8	**3.1**	**1.6** J	**3.7**	**3.9**	**2.1** J	**2.1** J	**3.9**	**4.5**	**2.6**
Barium	mg/Kg	164.8	100,000	15,300	364	**17.3**	**41.0**	**127**	**73.5**	**53.0**	**21.9**	**88.8**	**81.9**	**18.3** F1
Cadmium	mg/Kg	0.752	985	71.1	1	**0.12** J	**0.35**	**0.55**	**0.28**	**0.30**	**0.34**	**0.40**	**0.41**	**0.41**
Chromium	mg/Kg	360000	--	--	44	**6.1**	**5.7**	**19.7**	**21.0**	**12.5**	**7.3**	**21.9**	**24.9**	**9.5**
Lead	mg/Kg	27	800	400	52	**7.0**	**6.9**	***87.2***	**15.4**	**7.6**	**7.8**	**31.4**	**19.6**	**6.8**
Selenium	mg/Kg	0.52	5,840	391	--	<0.48	<0.45	<0.49	<0.50	<0.46	<0.46	<0.50	<0.50	<0.45
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<41	<49	<42	<46	<47	<48	<52	<49	<45
PCB-1232	ug/Kg	9.4	792	190		<41	<49	<42	<46	<47	<48	<52	<49	<45
PCB-1242	ug/Kg	9.4	972	235		<41	<49	***140*** J	<46	<47	<48	<52	<49	<45
PCB-1248	ug/Kg	9.4	975	236		<41	<49	<42	<46	<47	<48	<52	<49	<45
PCB-1254	ug/Kg	9.4	988	239		<98	<120	<100	<110	***230*** J	<110	<120	<120	<110
PCB-1260	ug/Kg	9.4	1,000	243		<98	<120	<100	<110	<110	<110	<120	<120	***1800***
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<15 ^c	<21	<28	<27	<19	<14	<23	<19	<180
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<14 ^c	<20	<27	<27	<19	<14	<22	<18	<170
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<8.3	<12	<16	<16	<11	<8.1	<13	<11	<100
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<11	<15	<20	<20	<14	<10	<17	<14	<130
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<16	<22	<30	<30	<21	<15	<25	<20	<190
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<18	<25	<34	<33	<23	<17	<28	<23	<220
1,1-Dichloropropene	ug/Kg	--	--	--		<13	<18	<24	<24	<17	<12	<20	<16	<160
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<24	<33	<45	<44	<31	<23	<37	<30	<290
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<11	<16	<22	<21	<15	<11	<18	<15	<140
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<19	<28	<37	<36	<26	<19	<31	<25	***530*** J
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		<14	<20	<27	<27	<19	<14	**57** J	**33** J	***8200***
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<26	<36	<49	<48	<34	<25	<40	<33	<310
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<13	<19	<25	<24	<17	<13	<21	<17	<160
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<21	<30	<40	<39	<28	<20	<33	<27	<260
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<8.3	<12	<16	<16	<11	<8.1	***97***	<11	<100
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<15	<22	<29	<29	<20	<15	<24	<20	***1600***
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<14	<19	<26	<26	<18	<13	<22	<18	<170
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<9.3	<13	<18	<17	<12	<9.1	<15	<12	<110
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<7.2	<10	<14	<13	**62** J	<7.0	<11	**24** J	<88
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<12 ^c	<17	<22	<22	<15	<11	<18	<15	<140
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<20	<28	<37	<37	<26	<19	<31	<25	<240
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<10	<15	<20	<19	<14	<10	<16	<13	<130
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<17	<25	<33	<32	<23	<17	<27	<22	<210

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base Outside BRL Clay Cap Area								
Sample Name						**OUTSIDE 1**	**OUTSIDE - 2**	**OUTSIDE - 3**	**OUTSIDE - 4**	**OUTSIDE - 5**	**OUTSIDE - 6**	**OUTSIDE - 7**	**OUTSIDE - 8**	**OUTSIDE - 9**
Date						12/15/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022	12/29/2022
Elevation						753.2	747.6	764.9	752.5	751.1	749.3	748.1	748.1	746.3
PID						1.1	13.4	11.2	9.4	13.0	7.3	20.0	13.0	16.3
Comment														
Benzene	ug/Kg	5.1	7,070	1,600		<9.7	<14	<18	<18	***55*** J	<9.5	<15	<13	<120
Bromobenzene	ug/Kg	--	679,000	342,000		<11	<16	<21	<21	<15	<11	<18	<14	<140
Bromoform	ug/Kg	2.3	113,000	25,400		<26 ^c	<36 * ^c	<49 * ^c	<48 * ^c	<34 * ^c	<25 * ^c	<40 * ^c	<33 * ^c	<310 * ^c
Bromomethane	ug/Kg	5.1	43,000	9,600		<11	<16	<21	<21	<15	<11	<18	<15	<140
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<13 ^c	<19 ^c	<25 ^c	<24 ^c	<17 ^c	<13 ^c	<21 ^c	<17 ^c	<160 ^c
Chlorobenzene	ug/Kg	135.8	761,000	370,000		***370***	<9.6	**120**	<13	***1900***	<6.6	**94**	**60** J	***400*** J
Bromochloromethane	ug/Kg	--	906,000	216,000		<19 ^c *	<26	<35	<35	<24	<18	<29	<24	<230
Dibromochloromethane	ug/Kg	32	38,900	8,280		<25 ^c	<35 * ^c	<47 * ^c	<46 * ^c	<33 * ^c	<24 * ^c	<39 * ^c	<32 * ^c	<300 * ^c
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<11	<15	<20	<20	<14	<10	<17	<14	<130
Chloroform	ug/Kg	3.3	1,980	454		<35	<50	<67	<66	<46	<34	<55	<45	<430
Chloromethane	ug/Kg	15.5	669,000	159,000		<12	<17	<23	<23	<16	<12	<19	<16	<150
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<14	<20	<27	<26	<19	<14	<22	<18	<170
Dibromomethane	ug/Kg	--	143,000	34,000		<17	<24	<32	<31	<22	<16	<26	<21	<200
Bromodichloromethane	ug/Kg	0.3	1,830	418		<10 ^c	<15	<19	<19	<13	<10	<16	<13	<130
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<22	<32	<42	<42	<29	<22	<35	<29	<270
Ethylbenzene	ug/Kg	1570	35,400	8,020		<15	<21	<28	<28	**44** J	<14	<24	<19	***9700***
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<9.0	<13	<17	<17	<12	<8.7	<14	<12	<110
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<20	<29 ^c	<38 ^c	<38 ^c	<27 ^c	<20 ^c	<32 ^c	<26 ^c	<250 ^c
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<27	<39	<51	<51	<36	<26	<43	<35	<330
Isopropylbenzene	ug/Kg	--	268,000	268,000		<7.7	<11	<15	<14	**160**	<7.5	**14** J	**18** J	**720**
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<19	<28	<37	<36	<25	<19	<31	<25	<240
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<10	<14	***310***	<19	<13	<9.9	<16	<13	<120
m&p-Xylene	ug/Kg	--	--	--		<28	<40	<54	**75** J	**86** J	<28	**53** J	<37	**41000**
Naphthalene	ug/Kg	658.2	24,100	5,520		<17	<25	<33	<32	**54** J	<17	<27	<22	***1200***
n-Butylbenzene	ug/Kg	--	108,000	108,000		<15	<21	<28	<28	**29** J	<15	<24	<19	**400** J
N-Propylbenzene	ug/Kg	--	264,000	264,000		<13	<19	<25	<25	**410**	**14** J	**39** J	**44** J	**1500**
o-Xylene	ug/Kg	--	434,000	434,000		<6.7	<9.5	<13	**20** J	**22** J	<6.5	<11	<8.6	**15000**
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<19	<27	<36	<35	**35** J	<18	<30	<24	**240** J
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<6.9 ^c	<9.8	***530***	<13	<9.1	<6.7	<11	<8.9	<84
Toluene	ug/Kg	1107.2	818,000	818,000		<14	<20	**42** J	<26	<18	<13	<22	<18	<170
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<12	<17	<23	<23	<16	<12	<19	<16	<150
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<5.0	<7.2	<9.5	<9.4	<6.6	<4.9	<7.9	<6.5	<61
Trichloroethene	ug/Kg	3.6	8,410	1,300		<14	<20	<27	<27	<19	<14	***51*** J	<18	<170
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<24	<34 ^c	<46 ^c	<45 ^c	<32 ^c	<23 ^c	<38 ^c	<31 ^c	<290 ^c
Vinyl chloride	ug/Kg	0.1	2,080	67		<17	<24 ^c	<33 ^c	<32 ^c	<23 ^c	<17 ^c	<27 ^c	<22 ^c	<210 ^c
Xylenes, Total	ug/Kg	3960	260,000	260,000		<28	<40	<54	**95** J	**110** J	<28	**53** J	<37	***56000***
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<12	<17	<23	<23	<16	<12	<19	<16	<150
Styrene	ug/Kg	220	867,000	867,000		<12	<18	<23	<23	<16	<12	<19	<16	<150
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<14	<20	<27	<27	<19	<14	<22	<18	<170

Soil Classification under BRL Property Redevelopment Plan						**2A**	**Clean**	**2A**	**1**	**2A**	**1**	**2A**	**1**	**2B**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base Outside BRL Clay Cap Area					East Excavation Sidewall			
Sample Name						**OUTSIDE - 10**	**OUTSIDE-11**	**OUTSIDE 12**	**OUTSIDE 13**	**OUTSIDE 14**	**OUTSIDE-2 EDGE**	**OUTSIDE-3 EDGE**	**OUTSIDE-4 EDGE**	**OUTSIDE-5 EDGE**
Date						12/29/2022	1/24/2023	1/30/2023	1/30/2023	1/30/2023	1/25/2023	1/25/2023	1/25/2023	1/25/2023
Elevation						745.9	746.0	746.9	747.4	747.1	752.4	754.5	753.8	754.2
PID						18.7	32.2	1.9	7.5	2.4	0.8	1.0	2.0	1.1
Comment														
Percent Moisture	%					13.9	17.9	15.5	17.5	12.4	12.5	12.2	15.5	15.1
Percent Solids	%					86.1	82.1	84.5	82.5	87.6	87.5	87.8	84.5	84.9
Mercury	ug/Kg	208	3,130	3,130	--	**13.1** J	**40.8**	**9.1** J	**9.4** J	**9.2** J	**6.7** J	**9.0** J	**6.8** J	**6.7** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.24	<0.24	<0.24	<0.25	<0.23	<0.22	<0.22	<0.23	<0.24
Arsenic	mg/Kg	0.584	3	0.677	8	**2.5**	**3.7**	**2.6**	**4.8**	**3.6**	**3.1**	**3.0**	**3.3**	**3.2**
Barium	mg/Kg	164.8	100,000	15,300	364	**68.2**	**205** ^	**56.2** ^	**39.4** ^	**91.6** ^	**51.9** ^	**43.4** F1 ^	**40.5** ^	**46.7** ^
Cadmium	mg/Kg	0.752	985	71.1	1	**0.27**	**0.22**	**0.37**	**0.50**	**0.068** J	**0.048** J	**0.21** J	**0.11** J	**0.091** J
Chromium	mg/Kg	360000	--	--	44	**14.9**	**17.2**	**10.6**	**11.4**	**17.5**	**14.7**	**11.4**	**7.8**	**9.2**
Lead	mg/Kg	27	800	400	52	**8.0**	**20.7**	**9.9**	**15.3**	**11.2**	**10.6**	**7.6**	**7.5**	**8.2**
Selenium	mg/Kg	0.52	5,840	391	--	<0.48	<0.48	<0.48	<0.49	<0.46	<0.44	<0.45	<0.46	<0.48
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<41	<53	<51	<54	<41	<46	<47	<49	<43
PCB-1232	ug/Kg	9.4	792	190		<41	<53	<51	<54	<41	<46	<47	<49	<43
PCB-1242	ug/Kg	9.4	972	235		<41	***160*** J	<51	<54	<41	<46	<47	<49	<43
PCB-1248	ug/Kg	9.4	975	236		<41	<53	<51	<54	<41	<46	<47	<49	<43
PCB-1254	ug/Kg	9.4	988	239		<97	<130	<120	<130	<97	<110	<110	<120	<100
PCB-1260	ug/Kg	9.4	1,000	243		<97	<130	<120	<130	<97	<110	<110	<120	<100
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<400	<190	<16	<130	<13	<14	<14	<18	<16
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<380	<180	<16	<130	<13	<14	<13	<17	<15
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<230	<110	<9.3	<73	<7.6	<8.1	<7.7	<10	<8.9
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<290	<140	<12	<95	<9.9	<10	<10	<13	<12
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<430	<200	<18	<140	<15	<15	<15	<19	<17
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<480	<230	<20	<160	<16	<17	<16	<22	<19
1,1-Dichloropropene	ug/Kg	--	--	--		<350	<160	<14	<110	<12	<12	<12	<16	<14
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<640	<300 ^c	<26 ^c	<210 ^c	<22 ^c	<23 ^c	<22 ^c	<29 ^c	<25 ^c
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<310	<150	<13	<100	<10	<11	<11	<14	<12
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<530	<250 ^c	<22 ^c	<170 ^c	<18 ^c	<19 ^c	<18 ^c	<24 ^c	<21 ^c
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		**1100** J	***12000***	<16	**1300**	<13	<14	<13	<18	<15
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<690	<330	<29	<230	<23	<25	<24	<31	<27
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<350	<170	<15	<120	<12	<13	<12	<16	<14
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<570	<270	<23	<180	<19	<20	<19	<26	<22
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<230	<110	<9.3	<73	<7.6	<8.1	<7.7	<10	<8.9
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<420	***2600***	<17	**270** J	<14	<15	<14	<19	<17
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<370	<180	<15	<120	<13	<13	<13	<17	<15
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<250	<120	<10	<82	<8.5	<9.1	<8.7	<11	<10
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<190	<92	<8.0	<63	<6.6	<7.0	<6.7	<8.8	<7.7
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<320	<150	<13	<100	<11	<11	<11	<14	<12
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<530	<250	<22	<170	<18	<19	<18	<24	<21
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<280	<130	<12	<92	<9.5	<10	<9.7	<13	<11
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<470	**250** J	<19	<150	<16	<17	<16	<21	<18

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base Outside BRL Clay Cap Area					East Excavation Sidewall			
Sample Name						**OUTSIDE - 10**	**OUTSIDE-11**	**OUTSIDE 12**	**OUTSIDE 13**	**OUTSIDE 14**	**OUTSIDE-2 EDGE**	**OUTSIDE-3 EDGE**	**OUTSIDE-4 EDGE**	**OUTSIDE-5 EDGE**
Date						12/29/2022	1/24/2023	1/30/2023	1/30/2023	1/30/2023	1/25/2023	1/25/2023	1/25/2023	1/25/2023
Elevation						745.9	746.0	746.9	747.4	747.1	752.4	754.5	753.8	754.2
PID						18.7	32.2	1.9	7.5	2.4	0.8	1.0	2.0	1.1
Comment														
Benzene	ug/Kg	5.1	7,070	1,600		<260	<130	<11	<86	<8.9	<9.5	<9.0	<12	<10
Bromobenzene	ug/Kg	--	679,000	342,000		<300	<140	<13	<99	<10	<11	<10	<14	<12
Bromoform	ug/Kg	2.3	113,000	25,400		<690 * ^c	<330	<29	<230	<23	<25	<24	<31	<27
Bromomethane	ug/Kg	5.1	43,000	9,600		<310	<150	<13	<99	<10	<11	<10	<14	<12
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<350 ^c	<170	<15	<120	<12	<13	<12	<16	<14
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<180	<87	<7.5	<60	<6.2	<6.6	<6.3	<8.3	<7.2
Bromochloromethane	ug/Kg	--	906,000	216,000		<500	<240	<21	<160	<17	<18	<17	<23	<20
Dibromochloromethane	ug/Kg	32	38,900	8,280		<670 * ^c	<320	<28	<220	<23	<24	<23	<30	<27
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<290	<140	<12	<94	<9.8	<10	<9.9	<13	<11
Chloroform	ug/Kg	3.3	1,980	454		<950	<450	<39	<310	<32	<34	<33	<43	<38
Chloromethane	ug/Kg	15.5	669,000	159,000		<330	<160 ^c	<14 ^c	<110 ^c	<11 ^c	<12 ^c	<11 ^c	<15 ^c	<13 ^c
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<380	<180	<16	<120	<13	<14	<13	<17	<15
Dibromomethane	ug/Kg	--	143,000	34,000		<450	<210	<19	<150	<15	<16	<15	<20	<18
Bromodichloromethane	ug/Kg	0.3	1,830	418		<280	<130	<11	<90	<9.4	<10	<9.5	<13	<11
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<610	<290	<25	<200	<20	<22	<21	<27	<24
Ethylbenzene	ug/Kg	1570	35,400	8,020		***16000***	***9800***	<17	***5600***	**15** J	<14	<14	<18	<16
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<240	<120	<10	<79	<8.2	<8.7	<8.3	<11	<9.6
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<550 ^c	<260 ^c	<23 ^c	<180 ^c	<19 ^c	<20 ^c	<19 ^c	<25 ^c	<22 ^c
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<740	<350	<30	<240	<25	<26	<25	<33	<29
Isopropylbenzene	ug/Kg	--	268,000	268,000		**280** J	**800**	<8.6	<68	<7.0	<7.5	<7.1	<9.4	<8.2
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<530	<250	<22	<170	<18	<19	<18	<24	<21
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<280	<130	<11	<89	<9.3	<9.9	<9.4	<12	<11
m&p-Xylene	ug/Kg	--	--	--		**46000**	**55000**	<32	**36000**	<26	<28	<26	<35	<30
Naphthalene	ug/Kg	658.2	24,100	5,520		<470	***740*** ^c	<19 ^c	<150 ^c	<16 ^c	<17 ^c	<16 ^c	<21 ^c	<18 ^c
n-Butylbenzene	ug/Kg	--	108,000	108,000		<410	**1000**	<17	<130	<14	<15	<14	<18	<16
N-Propylbenzene	ug/Kg	--	264,000	264,000		<360	**2100**	<15	**220** J	<12	<13	<12	<16	<14
o-Xylene	ug/Kg	--	434,000	434,000		**4800**	**22000**	<7.4	**17000**	<6.1	<6.5	<6.2	<8.2	<7.1
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<510	**350** J	<21	<170	<17	<18	<18	<23	<20
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<190	<89	<7.7	<61	<6.3	<6.7	<6.4	<8.5	<7.4
Toluene	ug/Kg	1107.2	818,000	818,000		<370	**710**	<15	<120	<13	<13	<13	<17	<15
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<330	<160	<13	<110	<11	<12	<11	<15	<13
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<140	<65	<5.6	<44	<4.6	<4.9	<4.7	<6.2	<5.4
Trichloroethene	ug/Kg	3.6	8,410	1,300		<390	***710***	<16	<130	<13	<14	<13	<18	<15
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<650 ^c	<310	<27	<210	<22	<23	<22	<30	<26
Vinyl chloride	ug/Kg	0.1	2,080	67		<470 ^c	<220	<19	<150	<16	<17	<16	<21	<18
Xylenes, Total	ug/Kg	3960	260,000	260,000		***51000***	***77000***	<32	***53000***	<26	<28	<26	<35	<30
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<330	<160	<14	<110	<11	<12	<11	<15	<13
Styrene	ug/Kg	220	867,000	867,000		<330	<160	<14	<110	<11	<12	<11	<15	<13
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<390	<180	<16	<130	<13	<14	<13	<18	<15

Soil Classification under BRL Property Redevelopment Plan						**2A**	**2A**	**Clean**	**2A**	**1**	**Clean**	**Clean**	**Clean**	**Clean**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	East Excavation Sidewall			Excavation Base in Phase 5 Module 1					
Sample Name						**OUTSIDE-6 EDGE**	**OUTSIDE-7 EDGE**	**OUTSIDE-8 EDGE**	**P5M1-1**	**P5M1-1A**	**P5M1-2**	**P5M1-2A**	**P5M1-3**	**P5M1-3A**
Date						1/25/2023	1/25/2023	1/25/2023	3/9/2023	5/24/2023	3/30/2023	5/23/2023	3/30/2023	5/18/2023
Elevation						754.5	754.1	754.7	751.0	740.0	748.1	740.5	748.3	741.0
PID						2.2	1.7	1.4	3.2	4.3	200.0	16.9	2.9	25.0
Comment									Excavated		Excavated		Excavated	
Percent Moisture	%					18.4	14.3	17.6	15.1	16.1	17.3	16.7	7.0	16.5
Percent Solids	%					81.6	85.7	82.4	84.9	83.9	82.7	83.3	93.0	83.5
Mercury	ug/Kg	208	3,130	3,130	--	**24.3** J	**66.1**	**87.0**	**5.5** J	**12.4** J	**16.6** J	**13.1** J	**2.0** J	**10.8** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.24	<0.24	0.80	<0.24	<0.23	<0.24	<0.23	<0.19	<0.23
Arsenic	mg/Kg	0.584	3	0.677	8	**4.7**	**4.7**	**4.9**	**0.77** J	**3.7**	**2.4** J	**3.7**	**2.6**	**2.5**
Barium	mg/Kg	164.8	100,000	15,300	364	**78.4** ^	**85.7** ^	**219** ^	**17.4**	**101**	**55.9**	**93.8**	**12.7**	**61.4**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.23** J	**0.24**	**0.63**	**0.26**	**0.21** J	**0.18** J	**0.21** J	**0.17** J	**0.093** J
Chromium	mg/Kg	360000	--	--	44	**21.0**	**27.8**	**68.4**	**6.5**	**16.9**	**20.2**	**17.9**	**4.8**	**14.0**
Lead	mg/Kg	27	800	400	52	**17.2**	**13.9**	***439***	**7.2**	**9.0**	**13.4**	**9.6**	**8.6**	**10**
Selenium	mg/Kg	0.52	5,840	391	--	<0.48	<0.49	<0.49	<0.49	0.50 J	<0.50	<0.46	<0.44	<0.47
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<47	<55	<48	<46	<45	<41	<45	<38	<54
PCB-1232	ug/Kg	9.4	792	190		<47	<55	<48	<46	<45	<41	<45	<38	<54
PCB-1242	ug/Kg	9.4	972	235		<47	<55	***190*** J	<46	<45	***120*** J	<45	<38	<54
PCB-1248	ug/Kg	9.4	975	236		<47	<55	<48	<46	<45	<41	<45	<38	<54
PCB-1254	ug/Kg	9.4	988	239		***110*** J	<130	<110	<110	<110	<99	<110	<91	<130
PCB-1260	ug/Kg	9.4	1,000	243		<110	<130	<110	<110	<110	<99	<110	<91	<130
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<15	<14	<16	<15	<32	<160	<37	<14	<17
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<14	<14	<15	<15	<31	<150	<36	<14	<16
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<8.5	<8.1	<8.9	<8.6	<18	<90	<21	<8.1	<9.4
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<11	<10	<11	<11	<24	<120	<27	<10	<12
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<16	<15	<17	<16	<35	<170	<40 *	<15	<18
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<18	<17	<19	<18	<39	<190	<45	<17	<20
1,1-Dichloropropene	ug/Kg	--	--	--		<13	<12	<14	<13	<28	<140	<32	<12	<14
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<24 ^c	<23 ^c	<25 ^c	<24 ^c	<52	<260	<60	<23	<27
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<12	<11	<12	<12	<25	<120	<29	<11	<13
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<20 ^c	<19 ^c	<21 ^c	<20 ^c	<42	<210	<49	<19	<22
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		**32** J	<14	<15	**570**	<31	***27000*** F1	<36	**31** J	<16
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<26	<25	<27	<26	<56	<280	<65	<25	<29
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<13	<13	<14	<13	<29	<140	<33	<13	<15
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<21	<20	<22	<22	<46	<230	<53	<20	<24
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<8.5	<8.0	<8.9	<8.6	<18	<90	<21	<8.1	<9.4
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<16	<15	<17	**140**	<34	**1300**	<39	<15	<18
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<14	<13	<15	<14	<30	<150	<35	<13	<15
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<9.5	<9.0	<10	<9.6	<20	<100	<24	<9.0	<11
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<7.3	<7.0	<7.7	**68**	<16	<78	<18	**80**	<8.1
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<12	<11	<12	<12	<25 ^c	<130	<29 ^c	<11	<13 ^c
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<20	<19	<21	<20	<43	<210	<50	<19	<22
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<11	<10	<11	<11	<23	<110	<26	<10	<12
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<18	<17	<18	**20** J	<38	**1000**	<44	<17	<20

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	East Excavation Sidewall			Excavation Base in Phase 5 Module 1					
Sample Name						**OUTSIDE-6 EDGE**	**OUTSIDE-7 EDGE**	**OUTSIDE-8 EDGE**	**P5M1-1**	**P5M1-1A**	**P5M1-2**	**P5M1-2A**	**P5M1-3**	**P5M1-3A**
Date						1/25/2023	1/25/2023	1/25/2023	3/9/2023	5/24/2023	3/30/2023	5/23/2023	3/30/2023	5/18/2023
Elevation						754.5	754.1	754.7	751.0	740.0	748.1	740.5	748.3	741.0
PID						2.2	1.7	1.4	3.2	4.3	200.0	16.9	2.9	25.0
Comment									Excavated		Excavated		Excavated	
Benzene	ug/Kg	5.1	7,070	1,600		<9.9	<9.4	<10	<10	<21	<110	<25	<9.4	<11
Bromobenzene	ug/Kg	--	679,000	342,000		<11	<11	<12	<12	<25	<120	<28	<11	<13
Bromoform	ug/Kg	2.3	113,000	25,400		<26	<25	<27	<26	<56	<280	<65	<25	<29
Bromomethane	ug/Kg	5.1	43,000	9,600		<12	<11	<12	<12	<25	<120	<28	<11	<13
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<13	<13	<14	<13	<29	<140	<33	<13	<15
Chlorobenzene	ug/Kg	135.8	761,000	370,000		**55**	<6.6	<7.2	**56**	<15	<74	<17	**67**	<7.7
Bromochloromethane	ug/Kg	--	906,000	216,000		<19	<18	<20	<19	<40	<200	<47	<18	<21
Dibromochloromethane	ug/Kg	32	38,900	8,280		<25	<24	<26	<26	<54	<270	<63	<24	<28
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<11	<10	<11	<11	<23	<120	<27	<10	<12
Chloroform	ug/Kg	3.3	1,980	454		<36	<34	<38	<36	<77	<380	<89	<34	<40
Chloromethane	ug/Kg	15.5	669,000	159,000		<12 ^c	<12 ^c	<13 ^c	<13	<27 ^c	<130	<31	<12	<14
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<14	<14	<15	***49*** J	<31	***680***	<36	<14	<16
Dibromomethane	ug/Kg	--	143,000	34,000		<17	<16	<18	<17	<36	<180	<42	<16	<19
Bromodichloromethane	ug/Kg	0.3	1,830	418		<10	<9.9	<11	<11	<22	<110	<26	<9.9	<12
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<23	<22	<24	<23	<49	<240	<56	<22	<25
Ethylbenzene	ug/Kg	1570	35,400	8,020		<15	<14	<16	**450**	<33	***5800***	<38	<14	<17
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<9.2	<8.7	<9.6	<9.3	<20	<97	<23	<8.7	<10
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<21 ^c	<20 ^c	<22 ^c	<21 ^c	<44	<220	<51	<20	<23
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<28	<26	<29	<28	<59	<300	<69	<26	<31
Isopropylbenzene	ug/Kg	--	268,000	268,000		**33** J	<7.4	<8.2	**120**	<17	**2700**	<19	**90**	<8.7 ^c
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<20	<19	<21	<20	<42	<210	<49	<19	<22
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<10	<9.8	<11	<10	***40*** J B	<110	***50*** J B	<9.8	***18*** J B
m&p-Xylene	ug/Kg	--	--	--		<29	<28	<30	**2800**	<62	**19000**	<72	**53** J	<32
Naphthalene	ug/Kg	658.2	24,100	5,520		<18 ^c	<17 ^c	<18 ^c	**69** ^c	<38	***2600***	<44	<17	<20
n-Butylbenzene	ug/Kg	--	108,000	108,000		**21** J	<14	<16	**99**	<33	**4200**	<38	<15	<17
N-Propylbenzene	ug/Kg	--	264,000	264,000		**47** J	<13	<14	**120**	<29	**9700**	<34	**210**	<15
o-Xylene	ug/Kg	--	434,000	434,000		**19** J	<6.5	<7.1	**910**	<15	**3900**	<17	**15** J	<7.5
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<19	<18	<20	**40** J	<41	**2400**	<48	**30** J	<21
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<7.0	<6.7	<7.4	<7.1	<15	<75	<17	<6.7	<7.8
Toluene	ug/Kg	1107.2	818,000	818,000		<14	<13	<15	**440**	<30	***8200***	<35	<13	<16
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<12	<12	<13	<12	<26	<130	<31	<12	<14
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<5.1	<4.9	<5.4	<5.2	<11	<55	<13	<4.9	<5.7
Trichloroethene	ug/Kg	3.6	8,410	1,300		<15	<14	<15	<15	<31	<150	<36	<14	<16
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<25	<23	<26	<25	<53	<260	<61	<23	<27
Vinyl chloride	ug/Kg	0.1	2,080	67		<18	<17	<18	<18	<38	<190	<43 *	<17	<19
Xylenes, Total	ug/Kg	3960	260,000	260,000		<29	<28	<30	**3700**	<62	***23000***	<72	**68** J	<32
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<13	<12	<13	<13	<27	<130	<31	<12	<14
Styrene	ug/Kg	220	867,000	867,000		<13	<12	<13	<13	<27	<130	<31	<12	<14
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<15	<14	<15	<15	<31	<150	<36	<14	<16

Soil Classification under BRL Property Redevelopment Plan						**1**	**Clean**	**2A**	**2A**	**Clean****	**2A**	**Clean****	**1**	**Clean****

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base in Phase 5 Module 1								
Sample Name						**P5M1-4**	**P5M1-5**	**P5M1-6**	**P5M1-7**	**P5M1-8 (29')**	**P5M1-8 (31')**	**P5M1-9 (25')**	**P5M1-9**	**P5M1-10**
Date						3/29/2023	3/30/2023	4/12/2023	4/18/2023	2/14/2023	2/14/2023	2/14/2023	5/4/2023	5/9/2023
Elevation						746.5	750.0	746.0	740.5	738.0	736.0	742.0	738.0	740.0
PID						1.5	4.3	3.5	3.0	42	54	1.7	3.2	18
Comment										Geoprobe	Geoprobe	Geoprobe		
Percent Moisture	%					15.3	14.1	3.6	16.4	11.8	18.3	14.6	13.0	13.4
Percent Solids	%					84.7	85.9	96.4	83.6	88.2	81.7	85.4	87.0	86.6
Mercury	ug/Kg	208	3,130	3,130	--	**14.9** J	**19.4**	**9.4** J	**7.5** J	**9.4** J B	**21.8** J B	**15.4** J B	<5.1	**20.3** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.23	<0.24	<0.21	<0.24	<0.22	0.66 J	0.45 J	<0.23	<0.23
Arsenic	mg/Kg	0.584	3	0.677	8	**2.5**	**4.3**	**1.9** J	**4.6**	**2.2**	**4.4**	**3.3**	**2.3**	**9.7**
Barium	mg/Kg	164.8	100,000	15,300	364	**24.6**	**57.9**	**19.6**	**68.9**	**35.0**	**113**	**75.8**	**19.5**	**45.2**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.15** J	**0.28**	**0.33**	**0.10** J	**0.12** J	<0.035	**0.089** J	**0.14** J	**0.36**
Chromium	mg/Kg	360000	--	--	44	**7.3**	**14.6**	**8.1**	**16.9**	**9.8**	**30.6**	**14.9**	**6.9**	**10.3**
Lead	mg/Kg	27	800	400	52	**8.1**	**13.7**	**7.6**	**8.8**	**13.5**	**14.0**	**11.8**	**7.2**	**8.9**
Selenium	mg/Kg	0.52	5,840	391	--	<0.49	<0.47	<0.42	<0.49	<0.44	<0.47	<0.45	<0.47	<0.46
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<52	<52	<47	<49	<40	<51	<43	<54	<54
PCB-1232	ug/Kg	9.4	792	190		<52	<52	<47	<49	<40	<51	<43	<54	<54
PCB-1242	ug/Kg	9.4	972	235		<52	<52	<47	<49	<40	<51	<43	<54	<54
PCB-1248	ug/Kg	9.4	975	236		<52	<52	<47	<49	<40	<51	<43	<54	<54
PCB-1254	ug/Kg	9.4	988	239		<130	<130	<110	<120	<96	<120	<100	<130	<130
PCB-1260	ug/Kg	9.4	1,000	243		<130	<130	<110	<120	<96	<120	<100	<130	<130
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<16	<14	<13	<16	<26	<13	<14	<60	<15
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<15	<14	<12	<15	<26	<13	<14	<59	<15
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<9.0	<8.2	<7.2	<9.0	<15	<7.4	<7.9	<34	<8.7
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<12	<11	<9.4	<12	<20	<9.6	<10	<44	<11
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<17	<16	<14	<17	<29	<14	<15	<65	<16
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<19	<18	<15	<19	<32	<16	<17	<73	<18
1,1-Dichloropropene	ug/Kg	--	--	--		<14	<13	<11	<14	<23	<11	<12	<53	<13
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<26	<23	<21	<26	<43 ^c	<21 ^c	<23 ^c	<97	<25
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<12	<11	<9.9 *	<12	<21	<10	<11	<47	<12
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<21	<19	<17	<21	<35	<17	<19	<80	<20
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		<16	**19** J	<12	<16	**40** J	<13	<14	***3300***	<15
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<28	<25	<22	<28	<46	<23	<24	<110	<27
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<14	<13	<11	<14	<24	<12	<12	<54	<14
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<23	<21	<18	<23	<38	<19	<20	<86	<22
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<9.0	<8.2	<7.2	<9.0	<15	<7.4	<7.9	<34	<8.6
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<17	<15	<13	<17	<28	<14	<15	**140** J	<16
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<15	<14	<12	<15	<25	<12	<13	<56	<14
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<10	<9.2	<8.1	<10	<17	<8.3	<8.9	<38	<9.7
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<7.8	**50** J	<6.2	<7.8	<13	<6.4	<6.8	***210***	<7.5
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<13	<11	<10	<13	<21	<10	<11	<48	<12
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<21	<19	<17	<21	<36	<18	<19	<81	<20
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<11	<10	<9.0	<11	<19	<9.3	<9.9	<43	<11
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<19	<17	<15	<19	<31	<15	<16	**290**	<18

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base in Phase 5 Module 1								
Sample Name						**P5M1-4**	**P5M1-5**	**P5M1-6**	**P5M1-7**	**P5M1-8 (29')**	**P5M1-8 (31')**	**P5M1-9 (25')**	**P5M1-9**	**P5M1-10**
Date						3/29/2023	3/30/2023	4/12/2023	4/18/2023	2/14/2023	2/14/2023	2/14/2023	5/4/2023	5/9/2023
Elevation						746.5	750.0	746.0	740.5	738.0	736.0	742.0	738.0	740.0
PID						1.5	4.3	3.5	3.0	42	54	1.7	3.2	18
Comment										Geoprobe	Geoprobe	Geoprobe		
Benzene	ug/Kg	5.1	7,070	1,600		<11	<9.6	<8.5	***54*** J	<18	<8.7	<9.3	<40	***110***
Bromobenzene	ug/Kg	--	679,000	342,000		<12	<11	<9.8	<12	<20	<10	<11	<46	<12
Bromoform	ug/Kg	2.3	113,000	25,400		<28	<25	<22	<28	<46	<23	<24	<110	<27
Bromomethane	ug/Kg	5.1	43,000	9,600		<12	<11	<9.8	<12	<20	<10	<11	<47	<12
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<14	<13	<11	<14	<24	<12	<12	<54	<14
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<7.3	**34** J	**15** J	<7.3	<12	<6.1	<6.5	<28	<7.0
Bromochloromethane	ug/Kg	--	906,000	216,000		<20	<18	<16	<20	<34	<17	<18	<76	<19
Dibromochloromethane	ug/Kg	32	38,900	8,280		<27	<25	<22	<27	<45	<22	<24	<100	<26
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<12	<11	<9.3	<12	<19	<9.5	<10	<44	<11
Chloroform	ug/Kg	3.3	1,980	454		<38	<35	<31	<38	<64	<31	<34	<150	<37
Chloromethane	ug/Kg	15.5	669,000	159,000		<13	<12	<11	<13	<22 ^c	<11 ^c	<12 ^c	<50	<13
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<15	<14	<12	<15	<26	<13	<14	<58	<15
Dibromomethane	ug/Kg	--	143,000	34,000		<18	<16	<14	<18	<30	<15	<16	<69	<17
Bromodichloromethane	ug/Kg	0.3	1,830	418		<11	<10	<8.9	<11	<19	<9.2	<9.8	<42	<11
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<24	<22	<19	<24	<41	<20	<21	<92	<23
Ethylbenzene	ug/Kg	1570	35,400	8,020		<16	<15	**13** J	**41** J	***3200***	**47**	**510**	***3300***	**390**
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<9.7	<8.9	<7.8	<9.7	<16	<8.0	<8.6	<37	<9.3
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<22	<20	<18	<22	<37 ^c	<18 ^c	<19 ^c	<84	<21
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<30	<27	<24	<30	<49	<24	<26	<110	<28
Isopropylbenzene	ug/Kg	--	268,000	268,000		<8.3	**16** J	**43** J	<8.3	**20** J	<6.9	**60**	**1000**	**55**
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<21	<19	<17	<21	<35	<17	<18	<80	<20
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<11	<10	<8.8	<11	<18	<9.1	<9.7	<42	<11
m&p-Xylene	ug/Kg	--	--	--		<31	**30** J	**40** J	**150**	**7100**	**110**	**380**	**2900**	**440**
Naphthalene	ug/Kg	658.2	24,100	5,520		<19	<17	<15	<19	<31	<15	<16	***1100***	<18
n-Butylbenzene	ug/Kg	--	108,000	108,000		<16	<15	<13	<16	<27	<13	<14	<62	<16
N-Propylbenzene	ug/Kg	--	264,000	264,000		<15	<13	**28** J	<15	<24	<12	<13	**460**	**23** J
o-Xylene	ug/Kg	--	434,000	434,000		<7.2	<6.6	**8.7** J	<7.2	**20** J	<6.0	**25** J	<27	**46** J
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<20	<19	<16	<20	<34	<17	<18	<78	<20
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<7.5	<6.8	<6.0	<7.5	<12	<6.2	<6.6	<28	<7.2
Toluene	ug/Kg	1107.2	818,000	818,000		<15	<14	<12	<15	<25	<12	<13	<57	<14
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<13	<12	<11	<13	<22	<11	<12	<50	<13
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<5.5	<5.0	<4.4 ^c *	<5.5 *	<9.1	<4.5	<4.8	<21	<5.2
Trichloroethene	ug/Kg	3.6	8,410	1,300		<15	<14	<12	***20*** J	<26	<13	<14	<59	<15
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<26	<24	<21	<26	<44	<22	<23	<99	<25
Vinyl chloride	ug/Kg	0.1	2,080	67		<19	<17	<15	<19	<31	<15	<16	<71	<18
Xylenes, Total	ug/Kg	3960	260,000	260,000		<31	**30** J	**49** J	**150**	***7100***	**110**	**410**	**2900**	**490**
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<13	<12	<11 *	<13	<22	<11	<12	<51	<13
Styrene	ug/Kg	220	867,000	867,000		<13	<12	<11	<13	<22	<11	<12	<51	<13
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<15	<14	<12	<15	<26	<13	<14	<59	<15

Soil Classification under BRL Property Redevelopment Plan						**Clean**	**1**	**1**	**2A**	**2A**	**1**	**1**	**2A**	**2B**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm								
Sample Name						**P5M1-11A**	**P5M1-11B**	**P5M1-11C**	**P5M1-12A**	**P5M1-12B**	**P5M1-12C**	**P5M1-12D**	**P5M1-13A**	**P5M1-13B**
Date						3/30/2023	3/30/2023	5/25/2023	3/30/2023	3/30/2023	5/10/2023	5/23/2023	3/30/2023	3/30/2023
Elevation						761.3	757.8	Approx. 740	759.9	756.4	749.0	739.5	761.7	758.2
PID						3.4	3.2	4.3	5.0	3.6	0.7	3.5	0.9	3.6
Comment						Excavated	Excavated		Excavated	Excavated	Excavated		Excavated	Excavated
Percent Moisture	%					24.1	6.9	15.6	5.9	4.1	18.2	18.4	21.7	24.4
Percent Solids	%					75.9	93.1	84.4	94.1	95.9	81.8	81.6	78.3	75.6
Mercury	ug/Kg	208	3,130	3,130	--	**47.2**	**7.3** J	<5.2	**7.9** J	<3.4	**6.8** J	**11.8** J	**21.1** J	**74.7**
Silver	mg/Kg	0.8491	5,840	391	--	0.25 J	<0.21	<0.24	<0.21	<0.22	<0.25	<0.24	0.40 J	0.54 J
Arsenic	mg/Kg	0.584	3	0.677	8	**7.1**	**2.1** J	**1.7** J	**1.9** J	**2.1**	**2.9**	**3.8**	**5.6**	***10.4***
Barium	mg/Kg	164.8	100,000	15,300	364	**71.3**	**12.3**	**34.2** ^	**12.5**	**10.8**	**28.4**	**80.5**	**97.6**	**166**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.36**	**0.22**	**0.18** J	**0.13** J	**0.18** J	**0.12** J B	**0.19** J	**0.23** J	**0.55**
Chromium	mg/Kg	360000	--	--	44	**18.9**	**5.5**	**9.2**	**6.0**	**5.1**	**8.1**	**13.5**	**27.4**	**33.7**
Lead	mg/Kg	27	800	400	52	**18.0**	**8.0**	**8.8**	**5.6**	**8.6**	**7.6**	**8.2**	**20.2**	**26.6**
Selenium	mg/Kg	0.52	5,840	391	--	<0.53	<0.44	***0.89*** J	<0.44	<0.38	<0.50	<0.49	<0.52	***1.2*** J
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<61	<40	<58	<39	<36	<49	<43	<55	<50
PCB-1232	ug/Kg	9.4	792	190		<61	<40	<58	<39	<36	<49	<43	<55	<50
PCB-1242	ug/Kg	9.4	972	235		<61	<40	<58	<39	<36	<49	<43	<55	<50
PCB-1248	ug/Kg	9.4	975	236		<61	<40	<58	<39	<36	<49	<43	<55	<50
PCB-1254	ug/Kg	9.4	988	239		<150	<95	<140	<93	<85	<120	<100	<130	<120
PCB-1260	ug/Kg	9.4	1,000	243		<150	<95	<140	<93	<85	<120	<100	<130	<120
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<20	<15	<30	<15	<12	<30	<36	<18	<21
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<20	<14	<29	<14	<12	<29	<35	<18	<20
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<11	<8.3	<17	<8.5	<6.8	<17	<20	<10	<12
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<15	<11	<22 *	<11	<8.8	<22	<26	<13	<15
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<22	<16	<32	<16	<13	<33	<39 *	<20	<22
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<24	<18	<36	<18	<15	<37	<44	<22	<25
1,1-Dichloropropene	ug/Kg	--	--	--		<18	<13	<26	<13	<10	<26	<31	<16	<18
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<32	<24	<48	<24	<19	<49	<58	<29	<33
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<16	<11	<23	<12	<9.4	<24	<28	<14	<16
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<27	<19	<39	<20	<16	<40	<48	<24	<27
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		<20	**110**	<29	<15	<12	<30	<35	<18	<20
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<35	<26	<52	<26	<21	<53	<63	<32	<36
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<18	<13	<26	<13	<11	<27	<32	<16	<18
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<29	<21	<42	<21	<17	<43	<51	<26	<30
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<11	<8.3	<17	<8.4	<6.8	<17	<20	<10	<12
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<21	**23** J	<31	<16	<13	<32	<38	<19	<22
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<19	<14	<28	<14	<11	<28	<34	<17	<19
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<13	<9.3	<19	<9.5	<7.7	<19	<23	<12	<13
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<9.9	<7.2	**42** J	<7.3	<5.9	<15	<18	<8.9	<10
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<16	<12	<24	<12	<9.6	<24	<29 ^c	<14	<16
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<27	<20	<40	<20	<16	<41	<48	<24	<28
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<14	<10	<21	<11	<8.6	<21	<26	<13	<15
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<24	**32** J	<35	<18	<14	<36	<42	<22	<24

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm								
Sample Name						**P5M1-11A**	**P5M1-11B**	**P5M1-11C**	**P5M1-12A**	**P5M1-12B**	**P5M1-12C**	**P5M1-12D**	**P5M1-13A**	**P5M1-13B**
Date						3/30/2023	3/30/2023	5/25/2023	3/30/2023	3/30/2023	5/10/2023	5/23/2023	3/30/2023	3/30/2023
Elevation						761.3	757.8	Approx. 740	759.9	756.4	749.0	739.5	761.7	758.2
PID						3.4	3.2	4.3	5.0	3.6	0.7	3.5	0.9	3.6
Comment						Excavated	Excavated		Excavated	Excavated	Excavated		Excavated	Excavated
Benzene	ug/Kg	5.1	7,070	1,600		<13	<9.7	**62** J	<9.9	<8.0	<20	<24	<12	<14
Bromobenzene	ug/Kg	--	679,000	342,000		<15	<11	<23 *	<11	<9.2	<23 *	<28	<14	<16
Bromoform	ug/Kg	2.3	113,000	25,400		<35	<26	<52	<26	<21	<53	<63	<32	<36
Bromomethane	ug/Kg	5.1	43,000	9,600		<16	<11	<23	<11	<9.3	<23	<28	<14	<16
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<18	<13	<26	<13	<11	<27	<32	<16	<18
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<9.3	<6.7	<14	<6.9	<5.6	<14	<17	<8.4	<9.5
Bromochloromethane	ug/Kg	--	906,000	216,000		<25	<18	<37	<19	<15	<38	<45	<23	<26
Dibromochloromethane	ug/Kg	32	38,900	8,280		<34	<25	<50	<25	<20	<51	<61	<31	<35
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<15	<11	<22	<11	<8.8	<22	<26	<13	<15
Chloroform	ug/Kg	3.3	1,980	454		<48	<35	<71	<36	<29	<73	<86	<44	<49
Chloromethane	ug/Kg	15.5	669,000	159,000		<17	<12	<25	<12	<10	<25	<30	<15	<17
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<19	<14	<29	<14	<12	<29	<35	<18	<20
Dibromomethane	ug/Kg	--	143,000	34,000		<23	<17	<34	<17	<14	<34	<41	<21	<23
Bromodichloromethane	ug/Kg	0.3	1,830	418		<14	<10	<21	<10	<8.4	<21	<25	<13	<14
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<31	<22	<45	<23	<18	<46	<55	<28	<31
Ethylbenzene	ug/Kg	1570	35,400	8,020		<21	**87**	<30	<15	<12	**140**	<37	<19	<21
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<12	<8.9	<18	<9.1	<7.4	<19	<22	<11	<13
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<28	<20	<41	<21	<17	<42	<50	<25	<29
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<37	<27	<55	<28	<22	<56	<67	<34	<38
Isopropylbenzene	ug/Kg	--	268,000	268,000		<11	**43** J	**420**	<7.8	<6.3	<16	<19	<9.6	<11
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<27	<19	<39	<20	<16	<40	<48	<24	<27
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<14	<10	**22** J B	<10	<8.3	<21	***50*** J B	<13	<14
m&p-Xylene	ug/Kg	--	--	--		<39	**340**	<57	<29	<23	**600**	<70	**35** J	<40
Naphthalene	ug/Kg	658.2	24,100	5,520		<24	**230**	<35	<18	<14	<36	<42	<22	<24
n-Butylbenzene	ug/Kg	--	108,000	108,000		<21	**22** J	<30	<15	<12	<31	<37	<19	<21
N-Propylbenzene	ug/Kg	--	264,000	264,000		<18	**76**	**240**	<14	<11	<28	<33	<17	<19
o-Xylene	ug/Kg	--	434,000	434,000		<9.2	**230**	<13	<6.8	<5.5	<14	<16	**11** J	<9.4
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<26	**20** J	<38	<19	<16	<39	<46	<23	<27
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<9.5	<6.9	<14	<7.0	<5.7	<14	<17	<8.6	<9.7
Toluene	ug/Kg	1107.2	818,000	818,000		<19	**160**	<28	<14	<11	**37** J	<34	<17	<19
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<17	<12	<24	<12	<9.9	<25	<30	<15	<17
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<6.9	<5.0	<10	<5.1	<4.1	<10	<12	<6.3	<7.1
Trichloroethene	ug/Kg	3.6	8,410	1,300		<20	<14	<29	<14	<12	<29	<35	<18	<20
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<33	<24	<49	<24	<20	<50	<59	<30	<34
Vinyl chloride	ug/Kg	0.1	2,080	67		<24	<17	<35	<17	<14	<35	<42 *	<21	<24
Xylenes, Total	ug/Kg	3960	260,000	260,000		<39	**570**	<57	<29	<23	**600**	<70	**46** J	<40
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<17	<12	<25	<12	<10	<25	<30	<15	<17
Styrene	ug/Kg	220	867,000	867,000		<17	<12	<25	<13	<10	<25	<30	<15	<17
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<20	<14	<29	<14	<12	<29	<35	<18	<20
Soil Classification under BRL Property Redevelopment Plan						**Clean**	**1**	**2A**	**Clean**	**Clean**	**1**	**Clean****	**1**	**2B**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm								
Sample Name						**P5M1-13C**	**P5M1-14A**	**P5M1-14B**	**P5M1-14C**	**P5M1-15**	**P5M1-16**	**P5M1-17**	**P5M1-18**	**P5M1-19**
Date						5/10/2023	3/30/2023	3/30/2023	5/10/2023	4/26/2023	4/26/2023	4/26/2023	4/26/2023	5/4/2023
Elevation						749.0	761.0	757.5	751.0	753.0	753.5	752.2	750.5	747.0
PID						0.0	2.4	1.8	0.0	2.5	1.2	0.7	0.9	2.9
Comment							Excavated	Excavated						
Percent Moisture	%					17.5	11.8	19.2	7.3	13.9	14.9	16.7	14.1	21.1
Percent Solids	%					82.5	88.2	80.8	92.7	86.1	85.1	83.3	85.9	78.9
Mercury	ug/Kg	208	3,130	3,130	--	<5.1	**94.4**	**30.5**	**13.2** J	**8.7** J	**44.3**	**43.1**	**19.5** J	**21.5** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.24	0.23 J	<0.25	<0.22	<0.23	0.53 J	0.60 J	0.75	<0.25
Arsenic	mg/Kg	0.584	3	0.677	8	**1.4** J	**4.0**	**4.0**	**2.5**	**2.2** J	**5.4**	**6.6**	**6.0**	**5.1**
Barium	mg/Kg	164.8	100,000	15,300	364	**16.8**	**82.7**	**111**	**30.3**	**41.4**	**94.6**	**77.2**	**65.6**	**58.6**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.16** J B	**0.20** J	**0.19** J	**0.27** B	<0.035	**0.25**	**0.32**	**0.27**	**0.12** J
Chromium	mg/Kg	360000	--	--	44	**5.8**	**24.5**	**26.9**	**21.1**	**11.4**	**24.1**	**23.8**	**44.6**	**15.8**
Lead	mg/Kg	27	800	400	52	**5.0**	**23.1**	**12.8**	**7.2**	**6.5**	**23.9**	**25.5**	**23.6**	**15.9**
Selenium	mg/Kg	0.52	5,840	391	--	<0.48	<0.44	<0.52	<0.45	<0.46	<0.47	<0.47	***0.62*** J	<0.49
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<43	<51	<46	<45	<45	<43	<42	<53	<43
PCB-1232	ug/Kg	9.4	792	190		<43	<51	<46	<45	<45	<43	<42	<53	<43
PCB-1242	ug/Kg	9.4	972	235		<43	<51	<46	<45	<45	***78*** J	***76*** J	<53	<43
PCB-1248	ug/Kg	9.4	975	236		<43	<51	<46	<45	<45	<43	<42	<53	<43
PCB-1254	ug/Kg	9.4	988	239		<100	<120	<110	<110	<110	<100	<100	<130	<100
PCB-1260	ug/Kg	9.4	1,000	243		<100	<120	<110	<110	<110	<100	<100	<130	<100
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<16	<14	<20	<15	<17	<19	<16	<17	<17
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<15	<14	<20	<15	<17	<18	<15	<17	<16
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<9.0	<8.0	<11	<8.7	<9.8	<11	<9.1	<9.8	<9.4
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<12	<10	<15	<11	<13	<14	<12	<13	<12
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<17	<15	<22	<16	<19	<21	<17	<19	<18
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<19	<17	<24	<18	<21	<23	<19	<21	<20
1,1-Dichloropropene	ug/Kg	--	--	--		<14	<12	<18	<13	<15	<17	<14	<15	<14
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<25	<23	<33	<25	<28	<31	<26	<28	<27
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<12	<11	<16	<12	<13 *	<15 *	<12 *	<13 *	<13
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<21	<19	<27	<20	<23	<25	<21	<23	<22
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		<15	<14	<20	<15	<17	**32** J	**66**	<17	<16
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<28	<25	<35	<27	<30	<33	<28	<30	<29
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<14	<13	<18	<14	<15	<17	<14	<15	<15
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<23	<20	<29	<22	<25	<27	<23	<25	<24
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<9.0	<8.0	<11	<8.6	<9.7	<11	<9.0	<9.8	<9.4
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<17	<15	<21	<16	<18	<20	**20** J	<18	<18
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<15	<13	<19	<14	<16	<18	<15	<16	<15
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<10	<9.0	<13	<9.7	<11	<12	<10	<11	<11
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<7.7	<6.9	<9.9	<7.5	<8.4	<9.3	**26** J	<8.5	<8.1
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<13	<11	<16	<12	<14	<15	<13	<14	<13
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<21	<19	<27	<20	<23	<25	<21	<23	<22
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<11	<10	<14	<11	<12	<13	<11	<12	<12
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<19	<17	<24	<18	<20	**29** J	**34** J	<20	<20

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm								
Sample Name						**P5M1-13C**	**P5M1-14A**	**P5M1-14B**	**P5M1-14C**	**P5M1-15**	**P5M1-16**	**P5M1-17**	**P5M1-18**	**P5M1-19**
Date						5/10/2023	3/30/2023	3/30/2023	5/10/2023	4/26/2023	4/26/2023	4/26/2023	4/26/2023	5/4/2023
Elevation						749.0	761.0	757.5	751.0	753.0	753.5	752.2	750.5	747.0
PID						0.0	2.4	1.8	0.0	2.5	1.2	0.7	0.9	2.9
Comment							Excavated	Excavated						
Benzene	ug/Kg	5.1	7,070	1,600		<11	<9.4	<13	<10	<11	<13	<11	<11	<11
Bromobenzene	ug/Kg	--	679,000	342,000		<12 *	<11	<15	<12 *	<13	<15	<12	<13	<13
Bromoform	ug/Kg	2.3	113,000	25,400		<28	<25	<35	<27	<30	<33	<28	<30	<29
Bromomethane	ug/Kg	5.1	43,000	9,600		<12	<11	<16	<12	<13	<15	<12	<13	<13
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<14	<13	<18	<14	<15	<17	<14	<15	<15
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<7.3	<6.5	<9.3	<7.0	<7.9	<8.8	<7.4	<8.0	<7.7
Bromochloromethane	ug/Kg	--	906,000	216,000		<20	<18	<26	<19	<22	<24	<20	<22	<21
Dibromochloromethane	ug/Kg	32	38,900	8,280		<27	<24	<34	<26	<29	<32	<27	<29	<28
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<12	<10	<15	<11	<12	<14	<12	<13	<12
Chloroform	ug/Kg	3.3	1,980	454		<38	<34	<48	<37	<41	<46	<38	<41	<40
Chloromethane	ug/Kg	15.5	669,000	159,000		<13	<12	<17	<13	<14	<16	<13	<14	<14
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<15	<14	<20	<15	<17	<18	<15	<17	<16
Dibromomethane	ug/Kg	--	143,000	34,000		<18	<16	<23	<17	<20	<22	<18	<20	<19
Bromodichloromethane	ug/Kg	0.3	1,830	418		<11	<9.9	<14	<11	<12	<13	<11	<12	<12
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<24	<22	<31	<23	<26	<29	<24	<26	<25
Ethylbenzene	ug/Kg	1570	35,400	8,020		<16	<14	<21	<16	<17	<19	**42** J	<18	<17
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<9.7	<8.7	<12	<9.3	<11	<12	<9.8	<11	<10
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<22	<20	<28	<21	<24	<26	<22	<24	<23
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<29	<26	<37	<28	<32	<35	<30	<32	<31
Isopropylbenzene	ug/Kg	--	268,000	268,000		<8.3	<7.4	<11	<8.0	<9.0	<10	<8.4	<9.1	<8.7
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<21	<19	<27	<20	<23	<25	<21	<23	<22
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<11	<9.8	<14	<11	<12	<13	<11	<12	<11
m&p-Xylene	ug/Kg	--	--	--		<31	<27	<39	<30	<33	**72** J	**160**	<33	<32
Naphthalene	ug/Kg	658.2	24,100	5,520		<19	<17	<24	<18	**24** J ^c	<22 ^c	**39** J ^c	**31** J ^c	<20
n-Butylbenzene	ug/Kg	--	108,000	108,000		<16	<14	<21	<16	<18	<19	**19** J	<18	<17
N-Propylbenzene	ug/Kg	--	264,000	264,000		<14	<13	<19	<14	<16	<17	<15	<16	<15
o-Xylene	ug/Kg	--	434,000	434,000		<7.2	**7.0** J	<9.2	<6.9	<7.8	**19** J	**36** J	<7.9	<7.5
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<20	<18	<26	<20	<22	<24	<21	<22	<21
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<7.4	<6.6	<9.5	<7.2	<8.1	<8.9	<7.5	<8.1	<7.8
Toluene	ug/Kg	1107.2	818,000	818,000		<15	<13	<19	<14	<16	<18	**19** J	<16	<16
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<13	<12	<17	<13	<14	<16	<13	<14	<14
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<5.4	<4.9	<6.9	<5.2	<5.9	<6.5	<5.5	<5.9	<5.7
Trichloroethene	ug/Kg	3.6	8,410	1,300		<15	<14	<20	<15	<17	<18	<16	<17	<16
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<26	<23	<33	<25	<28	<31	<26	<28	<27
Vinyl chloride	ug/Kg	0.1	2,080	67		<19	<17	<24	<18	<20	<22	<19	<20	<19
Xylenes, Total	ug/Kg	3960	260,000	260,000		<31	<27	<39	<30	<33	**91** J	**200**	<33	<32
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<13	<12	<17	<13	<14 ^c	<16 ^c	<13 ^c	<14 ^c	<14
Styrene	ug/Kg	220	867,000	867,000		<13	<12	<17	<13	<14	<16	<13	<15	<14
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<15	<14	<20	<15	<17	<18	<16	<17	<16
Soil Classification under BRL Property Redevelopment Plan						**Clean**	**1**	**Clean**	**Clean**	**1**	**1**	**1**	**1**	**Clean**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm	Excavation Base in Phase 5 Module 2							
Sample Name						**P5M1-20**	**P5M2-1**	**P5M2-1A**	**P5M2-2A**	**P5M2-3A**	**P5M2-4**	**P5M2-5A**	**P5M2-6**	**P5M2-7**
Date						5/9/2023	3/9/2023	5/24/2023	5/23/2023	5/18/2023	3/29/2023	5/25/2023	4/12/2023	4/18/2023
Elevation						746.0	751.0	740.0	740.9	744.0	748.1	740.0	747.0	741.5
PID						21.7	1018.0	2.7	38.3	46.3	0.9	16.5	6.0	4.2
Comment							Excavated							
Percent Moisture	%					13.8	17.0	12.8	15.0	12.2	14.5	15.1	12.5	33.3
Percent Solids	%					86.2	83.0	87.2	85.0	87.8	85.5	84.9	87.5	66.7
Mercury	ug/Kg	208	3,130	3,130	--	**50.7**	**42.8**	**6.2** J	<5.3	**12.2** J	**6.1** J	**11.4** J	**12.5** J	**7.9** J
Silver	mg/Kg	0.8491	5,840	391	--	<0.24	<0.25	<0.24	<0.24	<0.24	<0.24	<0.24	<0.23	<0.31
Arsenic	mg/Kg	0.584	3	0.677	8	**4.0**	***8.0***	**2.6**	**1.3** J	**0.64** J	**1.5** J	**3.2**	**2.5**	**3.2**
Barium	mg/Kg	164.8	100,000	15,300	364	**82.3**	**95.4**	**48.7**	**18.0**	**14.3**	**12.1**	**96.2** ^	**43.5**	**60.0**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.18** J	**0.54**	**0.13** J	**0.17** J	**0.12** J	**0.042** J	**0.20** J	**0.072** J	**0.058** J
Chromium	mg/Kg	360000	--	--	44	**20.9**	**25.1**	**10**	**5.5**	**5.3**	**4.9**	**19.7**	**9.5**	**13.2**
Lead	mg/Kg	27	800	400	52	***340***	**18.5**	**5.4**	**3.8**	**7.1**	**6.0**	**8.7**	**11.7**	**6.1**
Selenium	mg/Kg	0.52	5,840	391	--	<0.47	<0.50	<0.48	<0.48	<0.47	<0.48	***1.3*** J	<0.46	<0.62
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<39	<57	<41	<47	<52	<43	<51	<45	<70
PCB-1232	ug/Kg	9.4	792	190		<39	<57	<41	<47	<52	<43	<51	<45	<70
PCB-1242	ug/Kg	9.4	972	235		***160*** J	<57	<41	<47	***110*** J	<43	<51	<45	<70
PCB-1248	ug/Kg	9.4	975	236		<39	***1600***	<41	<47	<52	<43	<51	<45	<70
PCB-1254	ug/Kg	9.4	988	239		<92	<140	<99	<110	<120	<100	<120	<110	<170
PCB-1260	ug/Kg	9.4	1,000	243		<92	***1800***	<99	<110	<120	<100	<120	<110	<170
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<17	<14000	<32	<31	<28	<25	<28	<12	<26
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<17	<14000	<31	<30	<27	<24	<28	<12	<25
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<9.8	<8000	<18	<18	<16	<14	<16	<7.0	<15
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<13	<10000	<24	<23	<20	<18	<21 *	<9.1	<19
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<19	<15000	<35	<34 *	<30	<27	<31	<13	<28
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<21	<17000	<39	<38	<34	<30	<35	<15	<31
1,1-Dichloropropene	ug/Kg	--	--	--		<15	<12000	<28	<27	<24	<22	<25	<11	<22
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<28	<23000 ^c	<52	<50	<45	<40	<46	<20	<41
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<13	<11000	<25	<24	<22	<20	<22	<9.6 *	<20
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<23	<19000 ^c	<43	<41	<37	<33	<38	<16	<34
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		**150**	***330000***	<32	<31	**120**	<25	<28	<12	<25
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<30	<25000	<57	<55	<48	<44	<50	<22	<45
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<15	<13000	<29	<28	<25	<22	<25	<11	<23
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<25	<20000	<46	<45	<40	<36	<41	<18	<37
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<9.7	<8000	<18	<18	<16	<14	<16	<7.0	<15
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		**85**	***80000***	<34	<33	<29	<27	<30	<13	<27
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<16	<13000	<30	<29	<26	<23	<27	<12	<24
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<11	<9000	<21	<20	<18	<16	<18	<7.9	<16
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<8.4	<6900	<16	<15	<14	**81** J	<14	<6.1	<13
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<14 ^c	<11000	<26 ^c	<25 ^c	<22 ^c	<20	<23	<9.8	<20
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<23	<19000	<43	<42	<37	<34	<38	<17	<34
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<12	<10000	<23	<22	<20	<18	<20	<8.8	<18
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<20	<17000	<38	<37	<33	<30	<34	<15	<30

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Below/North of Waste - North Berm	Excavation Base in Phase 5 Module 2							
Sample Name						**P5M1-20**	**P5M2-1**	**P5M2-1A**	**P5M2-2A**	**P5M2-3A**	**P5M2-4**	**P5M2-5A**	**P5M2-6**	**P5M2-7**
Date						5/9/2023	3/9/2023	5/24/2023	5/23/2023	5/18/2023	3/29/2023	5/25/2023	4/12/2023	4/18/2023
Elevation						746.0	751.0	740.0	740.9	744.0	748.1	740.0	747.0	741.5
PID						21.7	1018.0	2.7	38.3	46.3	0.9	16.5	6.0	4.2
Comment							Excavated							
Benzene	ug/Kg	5.1	7,070	1,600		<11	<9400	<21	***160***	<18	<17	<19	<8.2	***47*** J
Bromobenzene	ug/Kg	--	679,000	342,000		<13	<11000	<25	<24	<21	<19	<22 *	<9.5	<20
Bromoform	ug/Kg	2.3	113,000	25,400		<30	<25000	<57	<55	<48	<44	<50	<22	<45
Bromomethane	ug/Kg	5.1	43,000	9,600		<13	<11000	<25	<24	<21	<19	<22	<9.5	<20
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<15	<13000	<29	<28	<25	<22	<25	<11	<23
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<7.9	<6500	<15	<14	<13	**72** J	<13	<5.7	<12
Bromochloromethane	ug/Kg	--	906,000	216,000		<22	<18000	<41	<40	<35	<32	<36	<16	<32
Dibromochloromethane	ug/Kg	32	38,900	8,280		<29	<24000	<55	<53	<47	<43	<48	<21	<43
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<13	<10000	<24	<23	<20	<18	<21	<9.0	<19
Chloroform	ug/Kg	3.3	1,980	454		<41	<34000	<78	<75	<67	<60	<69	<30	<61
Chloromethane	ug/Kg	15.5	669,000	159,000		<14	<12000	<27 ^c	<26	<23	<21	<24	<10	<21
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<17	***85000***	<31	<30	<27	<24	<28	<12	<25
Dibromomethane	ug/Kg	--	143,000	34,000		<20	<16000	<37	<36	<32	<29	<32	<14	<29
Bromodichloromethane	ug/Kg	0.3	1,830	418		<12	<9800	<23	<22	<19	<18	<20	<8.6	<18
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<26	<21000	<49	<48	<42	<38	<44	<19	<39
Ethylbenzene	ug/Kg	1570	35,400	8,020		**180**	***420000***	<33	<32	**89** J	**38** J	<29	<13	<26
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<11	<8600	<20	<19	<17	<15	<17	<7.6	<16
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<24	<20000 ^c	<45	<43	<38	<35	<40	<17	<35
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<32	<26000	<60	<58	<51	<47	<53	<23	<47
Isopropylbenzene	ug/Kg	--	268,000	268,000		<9.0	**28000** J	<17	**180**	**34** J ^c	**51** J	<15	**59**	<13
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<23	<19000	<43	<41	<37	<33	<38	<16	<34
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<12	***21000*** J B	***29*** J B	<22	<19	<17	<20	<8.6	<18
m&p-Xylene	ug/Kg	--	--	--		**850**	**2500000**	<63	<61	**370**	**110** J	<55	**50** J	**64** J
Naphthalene	ug/Kg	658.2	24,100	5,520		**93**	***28000*** J ^c	<38	<37	**68** J	<30	<34	<15	<30
n-Butylbenzene	ug/Kg	--	108,000	108,000		<18	**42000** J	<33	<32	**37** J	<26	<29	<13	<26
N-Propylbenzene	ug/Kg	--	264,000	264,000		**30** J	**54000**	<30	**47** J	<25	**25** J	<26	<11	<23
o-Xylene	ug/Kg	--	434,000	434,000		**250**	***780000***	<15	<14	**83** J	**37** J	<13	**17** J	<12
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<22	<18000	<42	<40	<36	**32** J	<37	<16	<33
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<8.1	<6600	<15	<15	<13	<12	<13	<5.8	<12
Toluene	ug/Kg	1107.2	818,000	818,000		**28** J	***650000***	<30	<29	<26	**26** J	<27	<12	<24
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<14	<12000	<27	<26	<23	<21	<24	<10	<21
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<5.9	<4800	<11	<11	<9.5	<8.6	<9.8	<4.3 ^c *	<8.8 *
Trichloroethene	ug/Kg	3.6	8,410	1,300		<17	<14000	<31	<30	<27	<24	<28	<12	<25
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<28	<23000	<53	<51	<45	<41	<47	<20	<42
Vinyl chloride	ug/Kg	0.1	2,080	67		<20	<16000	<38	<37 *	<32	<29	<33	<14	<30
Xylenes, Total	ug/Kg	3960	260,000	260,000		**1100**	***3300000***	<63	<61	**450**	**150** J	<55	**67** J	**64** J
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<14	<12000	<27	<26	<23	<21	<24	<10 *	<21
Styrene	ug/Kg	220	867,000	867,000		<14	<12000	<27	<26	<23	<21	<24	<10	<22
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<17	<14000	<31	<30	<27	<24	<28	<12	<25
Soil Classification under BRL Property Redevelopment Plan						**2A**	**2B**	**1**	**2A**	**1**	**1**	**2A**	**1**	**2A**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base in Phase 5 Module 2				Grading Layer Samples			
Sample Name						**P5M2-8**	**P5M2-9 (30')**	**P5M2-9**	**P5M2-10**	**P5M1-8 (0-4')**	**P5M1-9 (0-4')**	**P5M2-8 (4-6')**	**P5M2-9 (0-4')**
Date						4/26/2023	2/14/2023	5/4/2023	5/9/2023	2/14/2023	2/14/2023	2/14/2023	2/14/2023
Elevation						740.0	740.0	741.0	743.0	765.0	765.0	769.0	768.0
PID						3.0	7.0	3.3	19.2	1.4	0.4	2.0	0.1
Comment							Geoprobe			Excavated	Excavated	Excavated	Excavated
Percent Moisture	%					14.0	19.7	12.9	13.5	14.5	10.5	7.0	10.2
Percent Solids	%					86.0	80.3	87.1	86.5	85.5	89.5	93.0	89.8
Mercury	ug/Kg	208	3,130	3,130	--	**7.4** J	**19.1** J B	<5.0	**11.9** J	**17.5** J B	**16.5** J B	**39.3** B	**15.0** J B
Silver	mg/Kg	0.8491	5,840	391	--	0.30 J	***1.0***	<0.23	<0.23	0.40 J	0.36 J	0.24 J	0.29 J
Arsenic	mg/Kg	0.584	3	0.677	8	**3.2**	**3.6**	**4.6**	**4.3**	**2.8**	**3.0**	**2.9**	**2.3**
Barium	mg/Kg	164.8	100,000	15,300	364	**51.6**	**95.0**	**22.4**	**53.3**	**73.0**	**67.9**	**39.8**	**136**
Cadmium	mg/Kg	0.752	985	71.1	1	**0.077** J	<0.036	**0.079** J	**0.034** J	**0.066** J	**0.22**	**0.099** J	**0.039** J
Chromium	mg/Kg	360000	--	--	44	**26.1**	**31.9**	**7.9**	**19.3**	**18.5**	**16.5**	**12.5**	**15.4**
Lead	mg/Kg	27	800	400	52	**8.7**	***111***	**8.8**	**14.7**	**9.5**	**9.4**	**25.3**	**8.5**
Selenium	mg/Kg	0.52	5,840	391	--	<0.46	<0.48	<0.46	<0.46	<0.47	<0.43	<0.42	<0.43
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A	#N/A
PCB-1221	ug/Kg	9.4	883	213		<52	<53	<55	<39	<56	<47	<41	<39
PCB-1232	ug/Kg	9.4	792	190		<52	<53	<55	<39	<56	<47	<41	<39
PCB-1242	ug/Kg	9.4	972	235		<52	<53	<55	<39	<56	<47	<41	<39
PCB-1248	ug/Kg	9.4	975	236		<52	<53	<55	<39	<56	<47	<41	<39
PCB-1254	ug/Kg	9.4	988	239		<120	<130	<130	<93	<130	<110	***200*** J	<94
PCB-1260	ug/Kg	9.4	1,000	243		<120	<130	<130	<93	<130	<110	<99	<94
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<46	<14	<16	<14	<11	<14	<7.3	<8.8
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<45	<14	<15	<14	<11	<14	<7.1	<8.6
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<26	<8.0	<8.9	<8.1	<6.4	<8.1	<4.2	<5.0
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<34	<10	<11	<10	<8.2	<11	<5.4	<6.5
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<50	<15	<17	<15	<12	<15	<7.9	<9.5
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<56	<17	<19	<17	<14	<17	<8.8	<11
1,1-Dichloropropene	ug/Kg	--	--	--		<40	<12	<14	<12	<9.8	<12	<6.4	<7.7
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<74	<23 ^c	<25	<23	<18 ^c	<23 ^c	<12 ^c	<14 ^c
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<36 *	<11	<12	<11	<8.7	<11	<5.7	<6.9
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<61	<19	<21	<19	<15	<19	<9.7	<12
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		***1600***	<14	<15	<14	<11	<14	**260**	<8.6
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<81	<25	<27	<25	<20	<25	<13	<15
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<41	<13	<14	<13	<10	<13	<6.5	<7.9
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<66	<20	<22	<20	<16	<20	<10	<13
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<26	<8.0	<8.9	<8.1	<6.3	<8.1	<4.1	<5.0
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		**91** J	<15	<17	<15	<12	<15	**120**	<9.3
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<43	<13	<15	<13	<10	<13	<6.8	<8.2
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<29	<9.0	<10	<9.1	<7.1	<9.1	<4.7	<5.6
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		***580***	<6.9	<7.7	<7.0	<5.5	<7.0	<3.6	<4.3
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<37	<11	<12	<11 ^c	<8.9	<11	<5.8	<7.0
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<62	<19	<21	<19	<15	<19	<9.8	<12
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<33	<10	<11	<10	<8.0	<10	<5.2	<6.3
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		**760**	<17	<18	<17	<13	<17	<8.6	<10

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Excavation Base in Phase 5 Module 2				Grading Layer Samples			
Sample Name						**P5M2-8**	**P5M2-9 (30')**	**P5M2-9**	**P5M2-10**	**P5M1-8 (0-4')**	**P5M1-9 (0-4')**	**P5M2-8 (4-6')**	**P5M2-9 (0-4')**
Date						4/26/2023	2/14/2023	5/4/2023	5/9/2023	2/14/2023	2/14/2023	2/14/2023	2/14/2023
Elevation						740.0	740.0	741.0	743.0	765.0	765.0	769.0	768.0
PID						3.0	7.0	3.3	19.2	1.4	0.4	2.0	0.1
Comment							Geoprobe			Excavated	Excavated	Excavated	Excavated
Benzene	ug/Kg	5.1	7,070	1,600		***560***	<9.4	***710***	<9.5	<7.4	<9.5	<4.9	<5.9
Bromobenzene	ug/Kg	--	679,000	342,000		<35	<11	<12	<11	<8.6	<11	<5.6	<6.8
Bromoform	ug/Kg	2.3	113,000	25,400		<81	<25	<27	<25	<20	<25	<13	<15
Bromomethane	ug/Kg	5.1	43,000	9,600		<35	<11	<12	<11	<8.6	<11	<5.6	<6.8
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<41	<13	<14	<13	<10	<13	<6.5	<7.9
Chlorobenzene	ug/Kg	135.8	761,000	370,000		***410***	<6.5	<7.2	<6.6	<5.2	<6.6	<3.4	<4.1
Bromochloromethane	ug/Kg	--	906,000	216,000		<58	<18	<20	<18	<14	<18	<9.2	<11
Dibromochloromethane	ug/Kg	32	38,900	8,280		<78	<24	<26	<24	<19	<24	<12	<15
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<33	<10	<11	<10	<8.2	<10	<5.3	<6.4
Chloroform	ug/Kg	3.3	1,980	454		<110	<34	<38	<34	<27	<34	<18	<21
Chloromethane	ug/Kg	15.5	669,000	159,000		<38	<12 ^c	<13	<12	<9.3 ^c	<12 ^c	<6.1 ^c	<7.4 ^c
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<44	<14	<15	<14	<11	<14	<7.1	<8.5
Dibromomethane	ug/Kg	--	143,000	34,000		<52	<16	<18	<16	<13	<16	<8.3	<10
Bromodichloromethane	ug/Kg	0.3	1,830	418		<32	<9.9	<11	<10	<7.8	<10	<5.1	<6.2
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<70	<22	<24	<22	<17	<22	<11	<13
Ethylbenzene	ug/Kg	1570	35,400	8,020		**530**	<14	**26** J	<14	<11	<15	**11** J	<9.0
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<28	<8.6	<9.6	<8.7	<6.9	<8.8	<4.5	<5.4
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<64	<20 ^c	<22	<20	<16 ^c	<20 ^c	<10 ^c	<12 ^c
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<85	<26	<29	<26	<21	<27	<14	<16
Isopropylbenzene	ug/Kg	--	268,000	268,000		**1200**	<7.4	**41** J	<7.5	<5.9	<7.5	**12** J	<4.6
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<61	<19	<21	<19	<15	<19	<9.7	<12
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<32	<9.8	<11	<9.9	<7.8	<9.9	<5.1	<6.1
m&p-Xylene	ug/Kg	--	--	--		**2200**	<27	<30	<28	<22	<28	**34** J	**35** J
Naphthalene	ug/Kg	658.2	24,100	5,520		***6500*** ^c	<17	<18	<17	<13	<17	**29**	<10
n-Butylbenzene	ug/Kg	--	108,000	108,000		**930**	<14	<16	<15	<11	<15	<7.5	<9.0
N-Propylbenzene	ug/Kg	--	264,000	264,000		**1600**	<13	<14	<13	<10	<13	**15** J	<8.1
o-Xylene	ug/Kg	--	434,000	434,000		**240**	<6.4	<7.1	<6.5	<5.1	<6.5	**13** J	**11** J
sec-Butylbenzene	ug/Kg	--	145,000	145,000		**580**	<18	<20	<18	<14	<18	<9.4	<11
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<22	<6.6	<7.4	<6.7	<5.3	<6.7	<3.4	<4.2
Toluene	ug/Kg	1107.2	818,000	818,000		**260**	<13	<15	<13	<11	<13	**72**	<8.3
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<38	<12	<13	<12	<9.2	<12	<6.0	<7.3
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<16	<4.8	<5.4	<4.9	<3.9	<4.9	<2.5	<3.0
Trichloroethene	ug/Kg	3.6	8,410	1,300		<45	<14	<15	<14	<11	<14	<7.1	<8.6
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<76	<23	<26	<23	<18	<23	<12	<14
Vinyl chloride	ug/Kg	0.1	2,080	67		<54	<17	<18	<17	<13	<17	<8.6	<10
Xylenes, Total	ug/Kg	3960	260,000	260,000		**2400**	<27	<30	<28	<22	<28	**47** J	**46** J
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<38 ^c	<12	<13	<12	<9.4	<12	<6.1	<7.4
Styrene	ug/Kg	220	867,000	867,000		<39	<12	<13	<12	<9.4	<12	<6.2	<7.4
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<45	<14	<15	<14	<11	<14	<7.1	<8.6
Soil Classification under BRL Property Redevelopment Plan						**2A**	**2A**	**2A**	**Clean**	**Clean**	**Clean**	**1**	**1**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Phase 5 Module 2 Trial Geoprobe Samples				Phase 5 Module 1 Temporary Well Monitoring
Sample Name						**WC20 (33')**	**WC21 (7')**	**WC21 (10')**	**WC21 (37')**	**501A (11-13`)**
Date						2/15/2023	2/15/2023	2/15/2023	2/15/2023	9/13/2023
Elevation						743.0	775.0	772.0	745.0	765.0
PID						1.3	0.0	0.0	1.7	N/A
Comment										
Percent Moisture	%					12.6	10.6	15.0	13.9	12.2
Percent Solids	%					87.4	89.4	85.0	86.1	87.8
Mercury	ug/Kg	208	3,130	3,130	--	**13.6** J B	**17.2** J B	**23.5** J B	**11.2** J B	--
Silver	mg/Kg	0.8491	5,840	391	--	0.29 J	0.38 J	0.47 J	<0.24	--
Arsenic	mg/Kg	0.584	3	0.677	8	**2.8**	**3.9**	**4.7**	**3.9**	--
Barium	mg/Kg	164.8	100,000	15,300	364	**79.9**	**61.9**	**81.7**	**59.1**	--
Cadmium	mg/Kg	0.752	985	71.1	1	<0.034	**0.19** J	**0.33**	**0.039** J	--
Chromium	mg/Kg	360000	--	--	44	**15.2**	**15.0**	**17.7**	**13.1**	--
Lead	mg/Kg	27	800	400	52	**9.4**	**11.2**	**10.2**	**7.9**	--
Selenium	mg/Kg	0.52	5,840	391	--	<0.45	<0.46	<0.49	<0.48	--
PCB-1016^	ug/Kg	9.4	28,000	4,110		#N/A	#N/A	#N/A	#N/A	--
PCB-1221	ug/Kg	9.4	883	213		<45	<41	<49	<48	--
PCB-1232	ug/Kg	9.4	792	190		<45	<41	<49	<48	--
PCB-1242	ug/Kg	9.4	972	235		<45	<41	<49	<48	--
PCB-1248	ug/Kg	9.4	975	236		<45	<41	<49	<48	--
PCB-1254	ug/Kg	9.4	988	239		<110	<97	<120	<120	--
PCB-1260	ug/Kg	9.4	1,000	243		<110	<97	<120	<120	--
1,1,1,2-Tetrachloroethane	ug/Kg	53.4	12,300	2,780		<13	<11	<13	<13	<11
1,1,1-Trichloroethane	ug/Kg	140.2	640,000	640,000		<12	<11	<12	<13	<10
1,1,2,2-Tetrachloroethane	ug/Kg	0.2	3,600	810		<7.2	<6.4	<7.3	<7.4	<6.0
1,1,2-Trichloroethane	ug/Kg	3.2	7,010	1,590		<9.4	<8.3	<9.5	<9.6	<7.8
1,1-Dichloroethane	ug/Kg	483.4	22,200	5,060		<14	<12	<14	<14	<11
1,1-Dichloroethene	ug/Kg	5	1,190,000	320,000		<15	<14	<16	<16	<13
1,1-Dichloropropene	ug/Kg	--	--	--		<11	<9.9	<11	<11	<9.2
1,2,3-Trichlorobenzene	ug/Kg	--	934,000	62,600		<21 ^c	<18 ^c	<21 ^c	<21 ^c	<17
1,2,3-Trichloropropane	ug/Kg	51.9	109	5		<10	<8.9	<10	<10	<8.2
1,2,4-Trichlorobenzene	ug/Kg	408	113,000	24,000		<17	<15	<17	<17	<14
1,2,4-Trimethylbenzene	ug/Kg	1378.7	219,000	219,000		<12	<11	<13	<13	<10
1,2-Dibromo-3-Chloropropane	ug/Kg	0.2	92	8		<22	<20	<23	<23	<18
1,2-Dichlorobenzene	ug/Kg	1168	376,000	376,000		<11	<10	<12	<12	<9.4
1,2-Dichloroethane	ug/Kg	2.8	2,870	652		<18	<16	<18	<19	<15
1,2-Dichloropropane	ug/Kg	3.3	15,000	3,400		<7.2	<6.4	<7.3	<7.4	<6.0
1,3,5-Trimethylbenzene	ug/Kg	1378.7	182,000	182,000		<13	<12	<14	<14	<11
1,3-Dichlorobenzene	ug/Kg	1152.8	297,000	297,000		<12	<11	<12	<12	<9.9
1,3-Dichloropropane	ug/Kg	--	1,490,000	1,490,000		<8.1	<7.2	<8.2	<8.3	<6.7
1,4-Dichlorobenzene	ug/Kg	144	16,400	3,740		<6.2	<5.6	<6.3	<6.4	<5.2
2,2-Dichloropropane	ug/Kg	--	191,000	191,000		<10	<9.0	<10	<10	<8.4 ^c
2-Chlorotoluene	ug/Kg	--	907,000	907,000		<17	<15	<17	<18	<14
4-Chlorotoluene	ug/Kg	--	253,000	253,000		<9.1	<8.1	<9.2	<9.3	<7.5
p-Isopropyltoluene	ug/Kg	--	162,000	162,000		<15	<13	<15	<15	<12

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Analyte	Units	Groundwater Pathway RCL	Industrial Direct Contact RCL	Non-Industrial Direct Contact RCL	BTV (metals only)	Phase 5 Module 2 Trial Geoprobe Samples				Phase 5 Module 1 Temporary Well Monitoring
Sample Name						**WC20 (33')**	**WC21 (7')**	**WC21 (10')**	**WC21 (37')**	**501A (11-13`)**
Date						2/15/2023	2/15/2023	2/15/2023	2/15/2023	9/13/2023
Elevation						743.0	775.0	772.0	745.0	765.0
PID						1.3	0.0	0.0	1.7	N/A
Comment										
Benzene	ug/Kg	5.1	7,070	1,600		<8.5	<7.5	<8.6	<8.7	***7.4*** J
Bromobenzene	ug/Kg	--	679,000	342,000		<9.8	<8.7	<9.9	<10	<8.1
Bromoform	ug/Kg	2.3	113,000	25,400		<22	<20	<23	<23	<18
Bromomethane	ug/Kg	5.1	43,000	9,600		<9.8	<8.7	<9.9	<10	<8.1
Carbon tetrachloride	ug/Kg	3.9	4,030	916		<11	<10	<12	<12	<9.4
Chlorobenzene	ug/Kg	135.8	761,000	370,000		<5.9	<5.2	<6.0	<6.0	<4.9
Bromochloromethane	ug/Kg	--	906,000	216,000		<16	<14	<16	<17	<13
Dibromochloromethane	ug/Kg	32	38,900	8,280		<22	<19	<22	<22	<18
Chloroethane	ug/Kg	226.6	2,120,000	2,120,000		<9.3	<8.3	<9.4	<9.5	<7.7
Chloroform	ug/Kg	3.3	1,980	454		<31	<27	<31	<31	<25
Chloromethane	ug/Kg	15.5	669,000	159,000		<11 ^c	<9.4 ^c	<11 ^c	<11 ^c	<8.8
cis-1,2-Dichloroethene	ug/Kg	41.2	2,340,000	156,000		<12	<11	<12	<13	<10
Dibromomethane	ug/Kg	--	143,000	34,000		<15	<13	<15	<15	<12
Bromodichloromethane	ug/Kg	0.3	1,830	418		<8.9	<7.9	<9.0	<9.2	<7.4
Dichlorodifluoromethane	ug/Kg	3086.3	530,000	126,000		<19	<17	<20	<20	<16
Ethylbenzene	ug/Kg	1570	35,400	8,020		<13	<12	<13	<13	<11
1,2-Dibromoethane	ug/Kg	0.0282	221	50		<7.8	<6.9	<7.9	<8.0	<6.5
Hexachlorobutadiene	ug/Kg	--	7,190	1,630		<18 ^c	<16 ^c	<18 ^c	<18 ^c	<15
Isopropyl ether	ug/Kg	--	2,260,000	2,260,000		<24	<21	<24	<24	<20
Isopropylbenzene	ug/Kg	--	268,000	268,000		<6.7	<6.0	<6.8	<6.9	<5.5
Methyl tert-butyl ether	ug/Kg	27	282,000	63,800		<17	<15	<17	<17	<14
Methylene Chloride	ug/Kg	2.6	1,150,000	61,800		<8.8	<7.9	<8.9	<9.1	***12*** J B
m&p-Xylene	ug/Kg	--	--	--		<25	<22	<25	<25	<20
Naphthalene	ug/Kg	658.2	24,100	5,520		<15	<13	<15	<15	**150**
n-Butylbenzene	ug/Kg	--	108,000	108,000		<13	<12	<13	<13	<11
N-Propylbenzene	ug/Kg	--	264,000	264,000		<12	<10	<12	<12	<9.7
o-Xylene	ug/Kg	--	434,000	434,000		<5.8	<5.2	<5.9	<6.0	<4.8
sec-Butylbenzene	ug/Kg	--	145,000	145,000		<16	<15	<17	<17	<14
Tetrachloroethene	ug/Kg	4.5	145,000	33,000		<6.0	<5.3	<6.1	<6.2	<5.0
Toluene	ug/Kg	1107.2	818,000	818,000		<12	<11	<12	<12	**20** J
trans-1,2-Dichloroethene	ug/Kg	62.6	1,850,000	1,560,000		<11	<9.4	<11	<11	<8.7
trans-1,3-Dichloropropene	ug/Kg	--	1,510,000	1,510,000		<4.4	<3.9	<4.4	<4.5	<3.6
Trichloroethene	ug/Kg	3.6	8,410	1,300		<12	<11	<13	<13	<10
Trichlorofluoromethane	ug/Kg	4477.5	1,230,000	1,230,000		<21	<19	<21	<21	<17
Vinyl chloride	ug/Kg	0.1	2,080	67		<15	<13	<15	<15	<12
Xylenes, Total	ug/Kg	3960	260,000	260,000		<25	<22	<25	<25	<20
cis-1,3-Dichloropropene	ug/Kg	--	1,210,000	1,210,000		<11	<9.5	<11	<11	<8.8
Styrene	ug/Kg	220	867,000	867,000		<11	<9.6	<11	<11	<8.9
tert-Butylbenzene	ug/Kg	--	183,000	183,000		<12	<11	<13	<13	<10

Soil Classification under BRL Property Redevelopment Plan	**Clean**	**Clean**	**Clean**	**Clean**	**2A**

See last page of table for notes and abbreviations.

Table 1. Soil Analytical Results - Metals, PCBs, and VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge
SCS Engineers Project #25222265.00

Notes and Abbreviations

Abbreviations:

mg/kg = milligrams per kilogram
ug/Kg = micrograms per kilogram
BTV = Background threshold value
GRO = Gasoline Range Organics
Non-Ind DC = Non-Industrial Direct Contact
CAS# = Chemical Abstracts Service Number
N/A = Not Applicable
DRO = Diesel Range Organics
RCL = Residual Contaminant Level
PCBs = Polychlorinated Biphenyls
VOCs = Volatile Organic Compounds

Notes:

Bold values denote detected results

1800	***Orange shaded+bold & italic*** results exceed the industrial direct contact RCL
500	***Blue shaded+bold & italic*** results exceed the groundwater pathway RCL

Metals results that do not exceed corresponding BTVs are not shaded
^ Groundwater pathway RCL for PCBs applies to total PCBs.

Soil Classification Types

Clean	No VOCs or PCBs detected; metals below RCLs or BTVs
Type 1	VOCs, PCBs, or metals detected but below RCLs, or below BTVs for metals
Type 2A	VOCs, PCBs, or metals above groundwater pathway RCL (and above BTV if applicable) but below direct contact RCLs
Type 2B	VOCs, PCBs, or metals above direct contact RCL (and above BTV if applicable)
Clean**	No VOCs except methylene chloride that was J-flagged for result below the LOQ and B-flagged for methylene chloride in the blank

Laboratory Notes/Qualifiers:

* LCS or LCSD is outside acceptance limits.
^c = CCV Recovery is outside acceptance limits
F1 = MS and/or MSD recovery exceeds control limits
J = Reported value was between the limit of detection and the limit of quantitation

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Table 2. Temporary Groundwater Monitoring Well Analytical Results Summary - VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge RDF East Expansion, Southern Unit, Phase 5 Module 1
SCS Engineers Project #25222265.00

Lab Section	Specific Method	CAS#	Analyte	Units	NR 140 PAL	NR 140 ES	Phase 5 Module 1 Temporary Well Monitoring	
Well							**TMW501**	**TMW501**
Date							09/13/2023	11/16/2023
Bottom of Screen Elevation							745.7	745.7
VOCs								
GC/MS VOA	8260C	630-20-6	1,1,1,2-Tetrachloroethane	ug/L	7	70	<3.5	<0.46
GC/MS VOA	8260C	71-55-6	1,1,1-Trichloroethane	ug/L	40	200	<8.2	<0.38
GC/MS VOA	8260C	79-34-5	1,1,2,2-Tetrachloroethane	ug/L	0.02	0.2	<2.1	<0.40
GC/MS VOA	8260C	79-00-5	1,1,2-Trichloroethane	ug/L	0.5	5	<2.3	<0.35
GC/MS VOA	8260C	75-34-3	1,1-Dichloroethane	ug/L	85	850	<3.8	<0.41
GC/MS VOA	8260C	75-35-4	1,1-Dichloroethene	ug/L	0.7	7	<2.9	<0.39
GC/MS VOA	8260C	563-58-6	1,1-Dichloropropene	ug/L	NE	NE	<7.2	<0.30
GC/MS VOA	8260C	87-61-6	1,2,3-Trichlorobenzene	ug/L	NE	NE	<4.1	<0.46
GC/MS VOA	8260C	96-18-4	1,2,3-Trichloropropane	ug/L	12	60	<8.9	<0.41
GC/MS VOA	8260C	120-82-1	1,2,4-Trichlorobenzene	ug/L	14	70	<4.1	<0.34
GC/MS VOA	8260C	95-63-6	1,2,4-Trimethylbenzene	ug/L	See Total	See Total	<7.5	<0.36
GC/MS VOA	8260C	96-12-8	1,2-Dibromo-3-Chloropropane	ug/L	0.02	0.2	<3.9	<2.0
GC/MS VOA	8260C	95-50-1	1,2-Dichlorobenzene	ug/L	60	600	<7.9	**0.38** J
GC/MS VOA	8260C	107-06-2	1,2-Dichloroethane	ug/L	0.5	5	<2.1	<0.39
GC/MS VOA	8260C	78-87-5	1,2-Dichloropropane	ug/L	0.5	5	<7.2	<0.43
GC/MS VOA	8260C	108-67-8	1,3,5-Trimethylbenzene	ug/L	See Total	See Total	<7.7	<0.25
GC/MS VOA	8260C	541-73-1	1,3-Dichlorobenzene	ug/L	120	600	<7.8	<0.40
GC/MS VOA	8260C	142-28-9	1,3-Dichloropropane	ug/L	NE	NE	<7.5	<0.36
GC/MS VOA	8260C	106-46-7	1,4-Dichlorobenzene	ug/L	15	75	**8.6** J	**6.6**
GC/MS VOA	8260C	594-20-7	2,2-Dichloropropane	ug/L	NE	NE	<4.0	<0.44
GC/MS VOA	8260C	95-49-8	2-Chlorotoluene	ug/L	NE	NE	<8.6	<0.31
GC/MS VOA	8260C	106-43-4	4-Chlorotoluene	ug/L	NE	NE	<8.4	<0.35
GC/MS VOA	8260C	99-87-6	p-Isopropyltoluene	ug/L	NE	NE	<3.1	<0.36
GC/MS VOA	8260C	71-43-2	Benzene	ug/L	0.5	5	***5.8*** J	***3.1***
GC/MS VOA	8260C	108-86-1	Bromobenzene	ug/L	NE	NE	<8.0	<0.36
GC/MS VOA	8260C	75-25-2	Bromoform	ug/L	0.44	4.4	<2.6	<0.48
GC/MS VOA	8260C	74-83-9	Bromomethane	ug/L	1	10	<6.9	<0.80
GC/MS VOA	8260C	56-23-5	Carbon tetrachloride	ug/L	0.5	5	<2.7	<0.38
GC/MS VOA	8260C	108-90-7	Chlorobenzene	ug/L	20	100	***110***	***93***
GC/MS VOA	8260C	74-97-5	Bromochloromethane	ug/L	NE	NE	<8.7	<0.43
GC/MS VOA	8260C	124-48-1	Dibromochloromethane	ug/L	6	60	<3.2	<0.49
GC/MS VOA	8260C	75-00-3	Chloroethane	ug/L	80	400	<3.2	<0.51
GC/MS VOA	8260C	67-66-3	Chloroform	ug/L	0.6	6	<3.4	<0.37
GC/MS VOA	8260C	74-87-3	Chloromethane	ug/L	3	30	<3.5	<0.32
GC/MS VOA	8260C	156-59-2	cis-1,2-Dichloroethene	ug/L	7	70	<8.1	<0.41
GC/MS VOA	8260C	74-95-3	Dibromomethane	ug/L	NE	NE	<4.1	<0.27
GC/MS VOA	8260C	75-27-4	Bromodichloromethane	ug/L	0.06	0.6	<3.9	<0.37
GC/MS VOA	8260C	75-71-8	Dichlorodifluoromethane	ug/L	200	1000	<6.8	<0.67 ^c
GC/MS VOA	8260C	100-41-4	Ethylbenzene	ug/L	140	700	<7.4	<0.18
GC/MS VOA	8260C	106-93-4	1,2-Dibromoethane	ug/L	0.005	0.05	<7.3	<0.39
GC/MS VOA	8260C	87-68-3	Hexachlorobutadiene	ug/L	NE	NE	<2.8	<0.45 ^c
GC/MS VOA	8260C	108-20-3	Isopropyl ether	ug/L	NE	NE	<5.9	<0.28 ^c
GC/MS VOA	8260C	98-82-8	Isopropylbenzene	ug/L	NE	NE	**20**	**5** ^c
GC/MS VOA	8260C	1634-04-4	Methyl tert-butyl ether	ug/L	12	60	<1.6	<0.39
GC/MS VOA	8260C	75-09-2	Methylene Chloride	ug/L	0.5	5	<4.4	***1.8*** J,B
GC/MS VOA	8260C	179601-23-1	m&p-Xylene	ug/L	See Total	See Total	<6.6	<0.18
GC/MS VOA	8260C	91-20-3	Naphthalene	ug/L	10	100	<4.3	**0.75** J,B
GC/MS VOA	8260C	104-51-8	n-Butylbenzene	ug/L	NE	NE	**6.5** J	<0.39
GC/MS VOA	8260C	103-65-1	N-Propylbenzene	ug/L	NE	NE	**31**	**2.8**
GC/MS VOA	8260C	95-47-6	o-Xylene	ug/L	See Total	See Total	<7.6	<0.22
GC/MS VOA	8260C	135-98-8	sec-Butylbenzene	ug/L	NE	NE	<7.5	**0.88** J
GC/MS VOA	8260C	127-18-4	Tetrachloroethene	ug/L	0.5	5	<3.6	<0.37
GC/MS VOA	8260C	108-88-3	Toluene	ug/L	160	800	<5.1	<0.15
GC/MS VOA	8260C	156-60-5	trans-1,2-Dichloroethene	ug/L	20	100	<9.0	<0.35
GC/MS VOA	8260C	10061-02-6	trans-1,3-Dichloropropene	ug/L	0.04	0.4	<3.7	<0.36
GC/MS VOA	8260C	79-01-6	Trichloroethene	ug/L	0.5	5	<4.6	<0.16
GC/MS VOA	8260C	75-69-4	Trichlorofluoromethane	ug/L	698	3490	<8.8	<0.43
GC/MS VOA	8260C	75-01-4	Vinyl chloride	ug/L	0.02	0.2	<9.0	<0.20
GC/MS VOA	8260C	1330-20-7	Xylenes, Total	ug/L	400	2000	<6.6	<0.22
GC/MS VOA	8260C	10061-01-5	cis-1,3-Dichloropropene	ug/L	0.04	0.4	<3.6	<0.42
GC/MS VOA	8260C	100-42-5	Styrene	ug/L	10	100	<7.3	<0.39
GC/MS VOA	8260C	98-06-6	tert-Butylbenzene	ug/L	NE	NE	<8.1	<0.40
GC/MS VOA	8260C		Trimethylbenzenes, Total (1,2,4- & 1,3,5-)	ug/L	96	480	<15.2	<0.61

See last page of table for notes and abbreviations.

Table 2. Temporary Groundwater Monitoring Well Analytical Results Summary - VOCs
Boundary Road Landfill Waste Removal - Orchard Ridge RDF East Expansion, Southern Unit, Phase 5 Module 1
SCS Engineers Project #25222265.00

Notes and Abbreviations

Abbreviations:

ug/L = milligrams per liter
VOCs = Volatile Organic Compounds
N/A = Not Applicable
CAS# = Chemical Abstracts Service Number
PAL = NR 140 Preventive Action Limit
ES = NR 140 Enforcement Standard
NE = No NR 140 Standards Established

Notes:

Bold values denote detected results

1800	***Orange shaded+bold & italic*** results exceed the NR 140 Enforcement Standard
500	***Blue shaded+bold & italic*** results exceed the NR 140 Preventive Action Limit

Laboratory Notes/Qualifiers:

J = Reported value was between the limit of detection and the limit of quantitation
B = Compound was found in the blank and sample
^c = CCV Recovery is outside acceptance limits

Created by:	BSS	Date:	11/2/2023
Last revision by:	REO	Date:	11/29/2023
Checked by:	EO	Date:	11/29/2023

I:\25222265.00\Deliverables\Waste Removal Doc Report\Tables\[Table 2 Temporary Groundwater Monitoring Well Results Summary.xlsx]Notes

Appendix G

Soil Sample Analytical Reports

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Baeten
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 2/16/2023 1:10:16 PM Revision 2

JOB DESCRIPTION

Orchard Ridge-Boundary Rd

JOB NUMBER

480-205002-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-205002-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-205002-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 1/18/2023. The report (revision 2) is being revised to change the job format to report non-detected results as "<" LOD value.

Report revision history
Revision 1 - 2/8/2023 - Reason - revision needed to change the job format to include the LOQ column

Receipt
The samples were received on 12/22/2022 11:00 AM and 12/30/2022 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 3.1º C and 4.0º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-654570 recovered above the upper control limit for Carbon tetrachloride, Chlorobromomethane, Dichlorobromomethane, Chlorodibromomethane, Tetrachloroethene, 1,1,1-Trichloroethane, 2,2-Dichloropropane, Bromoform and 1,1,1,2-Tetrachloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: OUTSIDE 1 (480-205002-1).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-654578 and analytical batch 480-654570 recovered outside control limits for the following analytes: Chlorobromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: OUTSIDE 1 (480-205002-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-654949 and analytical batch 480-654962 recovered outside control limits for the following analytes: Bromoform and Chlorodibromomethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-654962 recovered above the upper control limit for for Carbon tetrachloride, Vinyl chloride, Chlorodibromomethane, Bromoform, Hexachlorobutadiene and Trichlorofluoromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: OUTSIDE - 2 (480-205087-1), OUTSIDE - 3 (480-205087-2), OUTSIDE - 4 (480-205087-3), OUTSIDE - 5 (480-205087-4), OUTSIDE - 6 (480-205087-5), OUTSIDE - 7 (480-205087-6), OUTSIDE - 8 (480-205087-7), OUTSIDE - 9 (480-205087-8) and OUTSIDE - 10 (480-205087-9).

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: OUTSIDE - 9 (480-205087-8) and OUTSIDE - 10 (480-205087-9). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis: OUTSIDE - 2 (480-205087-1), OUTSIDE - 4 (480-205087-3), OUTSIDE - 6 (480-205087-5) and OUTSIDE - 8 (480-205087-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: OUTSIDE - 3 (480-205087-2), OUTSIDE - 5 (480-205087-4) and OUTSIDE - 7 (480-205087-6). Elevated reporting limits (RLs) are provided.

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

Job ID: 480-205002-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE 1 — Lab Sample ID: 480-205002-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	370		51	6.8	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.1		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	17.3		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.1		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	7.0		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.0	J	24.0	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 2 — Lab Sample ID: 480-205087-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.6	J	2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	41.0		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.35		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.7		0.56	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	6.9		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.3	J	21.9	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 3 — Lab Sample ID: 480-205087-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	120		97	13	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	310		97	19	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	530		97	13	ug/Kg	1	☼	8260C	Total/NA
Toluene	42	J	97	26	ug/Kg	1	☼	8260C	Total/NA
PCB-1242	140	J	210	42	ug/Kg	1	☼	8082A	Total/NA
Arsenic	3.7		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	127		0.61	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.55		0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	19.7		0.61	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	87.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	51.3		24.6	5.7	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 4 — Lab Sample ID: 480-205087-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
m&p-Xylene	75	J	190	53	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	20	J	96	12	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	95	J	190	53	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.9		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	73.5		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28		0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.0		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	15.4		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	25.6	J	26.7	6.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 5 — Lab Sample ID: 480-205087-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	62	J	67	9.4	ug/Kg	1	☼	8260C	Total/NA
Benzene	55	J	67	13	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	1900		67	8.9	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	44	J	67	20	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: OUTSIDE - 5 (Continued) — Lab Sample ID: 480-205087-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	160		67	10	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	86	J	130	37	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	54	J	67	23	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	29	J	67	20	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	410		67	18	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	22	J	67	8.8	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	35	J	67	25	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	110	J	130	37	ug/Kg	1	☼	8260C	Total/NA
PCB-1254	230	J	240	110	ug/Kg	1	☼	8082A	Total/NA
Arsenic	2.1	J	2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	53.0		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.30		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.5		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	7.6		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	13.2	J	24.4	5.6	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 6 — Lab Sample ID: 480-205087-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
N-Propylbenzene	14	J	50	13	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.1	J	2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	21.9		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.34		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.3		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	7.8		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	8.8	J	21.2	4.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 7 — Lab Sample ID: 480-205087-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	57	J	81	23	ug/Kg	1	☼	8260C	Total/NA
1,2-Dichloropropane	97		81	13	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	94		81	11	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	14	J	81	12	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	53	J	160	45	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	39	J	81	21	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	51	J	81	22	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	53	J	160	45	ug/Kg	1	☼	8260C	Total/NA
Silver	0.92		0.76	0.25	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.9		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	88.8		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.40		0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.9		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	31.4		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	62.1		25.7	5.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 8 — Lab Sample ID: 480-205087-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	33	J	66	18	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	24	J	66	9.2	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	60	J	66	8.7	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OUTSIDE - 8 (Continued) — Lab Sample ID: 480-205087-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	18	J	66	9.9	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	44	J	66	17	ug/Kg	1	☼	8260C	Total/NA
Arsenic	4.5		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	81.9		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.41		0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	24.9		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	19.6		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	48.3		25.7	5.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 9 — Lab Sample ID: 480-205087-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trichlorobenzene	530	J	630	240	ug/Kg	8	☼	8260C	Total/NA
1,2,4-Trimethylbenzene	8200		630	170	ug/Kg	8	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	1600		630	190	ug/Kg	8	☼	8260C	Total/NA
Chlorobenzene	400	J	630	83	ug/Kg	8	☼	8260C	Total/NA
Ethylbenzene	9700		630	180	ug/Kg	8	☼	8260C	Total/NA
Isopropylbenzene	720		630	94	ug/Kg	8	☼	8260C	Total/NA
m&p-Xylene	41000		1300	350	ug/Kg	8	☼	8260C	Total/NA
Naphthalene	1200		630	210	ug/Kg	8	☼	8260C	Total/NA
n-Butylbenzene	400	J	630	180	ug/Kg	8	☼	8260C	Total/NA
N-Propylbenzene	1500		630	160	ug/Kg	8	☼	8260C	Total/NA
o-Xylene	15000		630	81	ug/Kg	8	☼	8260C	Total/NA
sec-Butylbenzene	240	J	630	230	ug/Kg	8	☼	8260C	Total/NA
Xylenes, Total	56000		1300	350	ug/Kg	8	☼	8260C	Total/NA
PCB-1260	1800		230	110	ug/Kg	1	☼	8082A	Total/NA
Arsenic	2.6		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	18.3	F1	0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.41		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.5		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	6.8		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	11.5	J	23.0	5.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE - 10 — Lab Sample ID: 480-205087-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1100	J	1400	390	ug/Kg	20	☼	8260C	Total/NA
Ethylbenzene	16000		1400	400	ug/Kg	20	☼	8260C	Total/NA
Isopropylbenzene	280	J	1400	210	ug/Kg	20	☼	8260C	Total/NA
m&p-Xylene	46000		2800	770	ug/Kg	20	☼	8260C	Total/NA
o-Xylene	4800		1400	180	ug/Kg	20	☼	8260C	Total/NA
Xylenes, Total	51000		2800	770	ug/Kg	20	☼	8260C	Total/NA
Arsenic	2.5		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	68.2		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.9		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.0		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	13.1	J	20.9	4.8	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OUTSIDE 1

Date Collected: 12/15/22 14:00
Date Received: 12/22/22 11:00

Lab Sample ID: 480-205002-1

Matrix: Solid
Percent Solids: 85.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15	^c	51	15	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1,1-Trichloroethane	<14	^c	51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1,2,2-Tetrachloroethane	<8.3		51	8.3	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1,2-Trichloroethane	<11		51	11	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1-Dichloroethane	<16		51	16	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1-Dichloroethene	<18		51	18	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,1-Dichloropropene	<13		51	13	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2,3-Trichlorobenzene	<24		51	24	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2,3-Trichloropropane	<11		51	11	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2,4-Trichlorobenzene	<19		51	19	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2,4-Trimethylbenzene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2-Dibromo-3-Chloropropane	<26		51	26	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2-Dichlorobenzene	<13		51	13	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2-Dichloroethane	<21		51	21	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2-Dichloropropane	<8.3		51	8.3	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,3,5-Trimethylbenzene	<15		51	15	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,3-Dichlorobenzene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,3-Dichloropropane	<9.3		51	9.3	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,4-Dichlorobenzene	<7.2		51	7.2	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
2,2-Dichloropropane	<12	^c	51	12	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
2-Chlorotoluene	<20		51	20	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
4-Chlorotoluene	<10		51	10	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
p-Isopropyltoluene	<17		51	17	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Benzene	<9.7		51	9.7	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Bromobenzene	<11		51	11	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Bromoform	<26	^c	51	26	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Bromomethane	<11		51	11	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Carbon tetrachloride	<13	^c	51	13	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Chlorobenzene	**370**		51	6.8	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Bromochloromethane	<19	^c *	51	19	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Dibromochloromethane	<25	^c	51	25	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Chloroethane	<11		51	11	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Chloroform	<35		51	35	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Chloromethane	<12		51	12	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
cis-1,2-Dichloroethene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Dibromomethane	<17		51	17	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Bromodichloromethane	<10	^c	51	10	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Dichlorodifluoromethane	<22		51	22	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Ethylbenzene	<15		51	15	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
1,2-Dibromoethane	<9.0		51	9.0	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Hexachlorobutadiene	<20		51	20	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Isopropyl ether	<27		51	27	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Isopropylbenzene	<7.7		51	7.7	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Methyl tert-butyl ether	<19		51	19	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Methylene Chloride	<10		51	10	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
m&p-Xylene	<28		100	28	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Naphthalene	<17		51	17	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
n-Butylbenzene	<15		51	15	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
N-Propylbenzene	<13		51	13	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1

Client Sample ID: OUTSIDE 1

Date Collected: 12/15/22 14:00
Date Received: 12/22/22 11:00

Lab Sample ID: 480-205002-1

Matrix: Solid
Percent Solids: 85.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.7		51	6.7	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
sec-Butylbenzene	<19		51	19	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Tetrachloroethene	<6.9	^c	51	6.9	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Toluene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
trans-1,2-Dichloroethene	<12		51	12	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
trans-1,3-Dichloropropene	<5.0		51	5.0	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Trichloroethene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Trichlorofluoromethane	<24		51	24	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Vinyl chloride	<17		51	17	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Xylenes, Total	<28		100	28	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
cis-1,3-Dichloropropene	<12		51	12	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
Styrene	<12		51	12	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1
tert-Butylbenzene	<14		51	14	ug/Kg	☼	12/28/22 11:04	12/28/22 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*	*^c*	*53 - 146*	*12/28/22 11:04*	*12/28/22 16:26*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*	*12/28/22 11:04*	*12/28/22 16:26*	*1*
Toluene-d8 (Surr)	*103*		*50 - 149*	*12/28/22 11:04*	*12/28/22 16:26*	*1*
Dibromofluoromethane (Surr)	*110*		*60 - 140*	*12/28/22 11:04*	*12/28/22 16:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1221	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1232	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1242	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1248	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1254	<98		210	98	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1
PCB-1260	<98		210	98	ug/Kg	☼	01/04/23 15:44	01/05/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*01/04/23 15:44*	*01/05/23 18:54*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*01/04/23 15:44*	*01/05/23 18:54*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Arsenic	**3.1**		2.4	0.48	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Barium	**17.3**		0.60	0.13	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Cadmium	**0.12**	**J**	0.24	0.036	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Chromium	**6.1**		0.60	0.24	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Lead	**7.0**		1.2	0.29	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	12/28/22 14:47	12/29/22 14:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.0**	**J**	24.0	5.5	ug/Kg	☼	12/29/22 10:27	12/29/22 13:55	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 2
Date Collected: 12/29/22 14:15
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-1
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<21		73	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1,1-Trichloroethane	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1,2,2-Tetrachloroethane	<12		73	12	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1,2-Trichloroethane	<15		73	15	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1-Dichloroethane	<22		73	22	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1-Dichloroethene	<25		73	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,1-Dichloropropene	<18		73	18	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2,3-Trichlorobenzene	<33		73	33	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2,3-Trichloropropane	<16		73	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2,4-Trichlorobenzene	<28		73	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2,4-Trimethylbenzene	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2-Dibromo-3-Chloropropane	<36		73	36	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2-Dichlorobenzene	<19		73	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2-Dichloroethane	<30		73	30	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2-Dichloropropane	<12		73	12	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,3,5-Trimethylbenzene	<22		73	22	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,3-Dichlorobenzene	<19		73	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,3-Dichloropropane	<13		73	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,4-Dichlorobenzene	<10		73	10	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
2,2-Dichloropropane	<17		73	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
2-Chlorotoluene	<28		73	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
4-Chlorotoluene	<15		73	15	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
p-Isopropyltoluene	<25		73	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Benzene	<14		73	14	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Bromobenzene	<16		73	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Bromoform	<36	* ^c	73	36	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Bromomethane	<16		73	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Carbon tetrachloride	<19	^c	73	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Chlorobenzene	<9.6		73	9.6	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Bromochloromethane	<26		73	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Dibromochloromethane	<35	* ^c	73	35	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Chloroethane	<15		73	15	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Chloroform	<50		73	50	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Chloromethane	<17		73	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
cis-1,2-Dichloroethene	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Dibromomethane	<24		73	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Bromodichloromethane	<15		73	15	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Dichlorodifluoromethane	<32		73	32	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Ethylbenzene	<21		73	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
1,2-Dibromoethane	<13		73	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Hexachlorobutadiene	<29	^c	73	29	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Isopropyl ether	<39		73	39	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Isopropylbenzene	<11		73	11	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Methyl tert-butyl ether	<28		73	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Methylene Chloride	<14		73	14	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
m&p-Xylene	<40		150	40	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Naphthalene	<25		73	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
n-Butylbenzene	<21		73	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
N-Propylbenzene	<19		73	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1

Client Sample ID: OUTSIDE - 2

Date Collected: 12/29/22 14:15
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-1

Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<9.5		73	9.5	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
sec-Butylbenzene	<27		73	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Tetrachloroethene	<9.8		73	9.8	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Toluene	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
trans-1,2-Dichloroethene	<17		73	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
trans-1,3-Dichloropropene	<7.2		73	7.2	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Trichloroethene	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Trichlorofluoromethane	<34	^c	73	34	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Vinyl chloride	<24	^c	73	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Xylenes, Total	<40		150	40	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
cis-1,3-Dichloropropene	<17		73	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
Styrene	<18		73	18	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1
tert-Butylbenzene	<20		73	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*01/03/23 18:45*	*01/04/23 17:12*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*01/03/23 18:45*	*01/04/23 17:12*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*01/03/23 18:45*	*01/04/23 17:12*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*01/03/23 18:45*	*01/04/23 17:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1221	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1232	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1242	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1248	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1254	<120		250	120	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1
PCB-1260	<120		250	120	ug/Kg	☼	01/04/23 15:44	01/05/23 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*01/04/23 15:44*	*01/05/23 19:07*	*1*
DCB Decachlorobiphenyl	*128*		*65 - 174*	*01/04/23 15:44*	*01/05/23 19:07*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Arsenic	**1.6**	**J**	2.3	0.45	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Barium	**41.0**		0.56	0.12	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Cadmium	**0.35**		0.23	0.034	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Chromium	**5.7**		0.56	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Lead	**6.9**		1.1	0.27	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	12/30/22 14:16	01/03/23 16:37	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.3**	**J**	21.9	5.0	ug/Kg	☼	01/04/23 10:01	01/04/23 13:02	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 3
Date Collected: 12/29/22 13:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-2
Matrix: Solid
Percent Solids: 80.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<28		97	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1,1-Trichloroethane	<27		97	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1,2,2-Tetrachloroethane	<16		97	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1,2-Trichloroethane	<20		97	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1-Dichloroethane	<30		97	30	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1-Dichloroethene	<34		97	34	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,1-Dichloropropene	<24		97	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2,3-Trichlorobenzene	<45		97	45	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2,3-Trichloropropane	<22		97	22	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2,4-Trichlorobenzene	<37		97	37	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2,4-Trimethylbenzene	<27		97	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2-Dibromo-3-Chloropropane	<49		97	49	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2-Dichlorobenzene	<25		97	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2-Dichloroethane	<40		97	40	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2-Dichloropropane	<16		97	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,3,5-Trimethylbenzene	<29		97	29	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,3-Dichlorobenzene	<26		97	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,3-Dichloropropane	<18		97	18	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,4-Dichlorobenzene	<14		97	14	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
2,2-Dichloropropane	<22		97	22	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
2-Chlorotoluene	<37		97	37	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
4-Chlorotoluene	<20		97	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
p-Isopropyltoluene	<33		97	33	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Benzene	<18		97	18	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Bromobenzene	<21		97	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Bromoform	<49	* ^c	97	49	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Bromomethane	<21		97	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Carbon tetrachloride	<25	^c	97	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Chlorobenzene	**120**		97	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Bromochloromethane	<35		97	35	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Dibromochloromethane	<47	* ^c	97	47	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Chloroethane	<20		97	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Chloroform	<67		97	67	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Chloromethane	<23		97	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
cis-1,2-Dichloroethene	<27		97	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Dibromomethane	<32		97	32	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Bromodichloromethane	<19		97	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Dichlorodifluoromethane	<42		97	42	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Ethylbenzene	<28		97	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
1,2-Dibromoethane	<17		97	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Hexachlorobutadiene	<38	^c	97	38	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Isopropyl ether	<51		97	51	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Isopropylbenzene	<15		97	15	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Methyl tert-butyl ether	<37		97	37	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Methylene Chloride	**310**		97	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
m&p-Xylene	<54		190	54	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Naphthalene	<33		97	33	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
n-Butylbenzene	<28		97	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
N-Propylbenzene	<25		97	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1

Client Sample ID: OUTSIDE - 3

Date Collected: 12/29/22 13:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-2

Matrix: Solid
Percent Solids: 80.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<13		97	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
sec-Butylbenzene	<36		97	36	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Tetrachloroethene	**530**		97	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Toluene	**42**	**J**	97	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
trans-1,2-Dichloroethene	<23		97	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
trans-1,3-Dichloropropene	<9.5		97	9.5	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Trichloroethene	<27		97	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Trichlorofluoromethane	<46	^c	97	46	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Vinyl chloride	<33	^c	97	33	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Xylenes, Total	<54		190	54	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
cis-1,3-Dichloropropene	<23		97	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
Styrene	<23		97	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1
tert-Butylbenzene	<27		97	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*01/03/23 18:45*	*01/04/23 17:34*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*01/03/23 18:45*	*01/04/23 17:34*	*1*
Toluene-d8 (Surr)	*89*		*50 - 149*	*01/03/23 18:45*	*01/04/23 17:34*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*01/03/23 18:45*	*01/04/23 17:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<42		210	42	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1221	<42		210	42	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1232	<42		210	42	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1242	**140**	**J**	210	42	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1248	<42		210	42	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1254	<100		210	100	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1
PCB-1260	<100		210	100	ug/Kg	☼	01/04/23 15:44	01/05/23 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*01/04/23 15:44*	*01/05/23 19:21*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*01/04/23 15:44*	*01/05/23 19:21*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.74	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Arsenic	**3.7**		2.5	0.49	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Barium	**127**		0.61	0.14	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Cadmium	**0.55**		0.25	0.037	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Chromium	**19.7**		0.61	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Lead	**87.2**		1.2	0.29	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	12/30/22 14:16	01/03/23 16:41	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51.3**		24.6	5.7	ug/Kg	☼	01/04/23 10:01	01/04/23 13:07	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 4
Date Collected: 12/29/22 12:45
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-3
Matrix: Solid
Percent Solids: 76.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<27		96	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1,1-Trichloroethane	<27		96	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1,2,2-Tetrachloroethane	<16		96	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1,2-Trichloroethane	<20		96	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1-Dichloroethane	<30		96	30	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1-Dichloroethene	<33		96	33	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,1-Dichloropropene	<24		96	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2,3-Trichlorobenzene	<44		96	44	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2,3-Trichloropropane	<21		96	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2,4-Trichlorobenzene	<36		96	36	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2,4-Trimethylbenzene	<27		96	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2-Dibromo-3-Chloropropane	<48		96	48	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2-Dichlorobenzene	<24		96	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2-Dichloroethane	<39		96	39	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2-Dichloropropane	<16		96	16	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,3,5-Trimethylbenzene	<29		96	29	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,3-Dichlorobenzene	<26		96	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,3-Dichloropropane	<17		96	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,4-Dichlorobenzene	<13		96	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
2,2-Dichloropropane	<22		96	22	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
2-Chlorotoluene	<37		96	37	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
4-Chlorotoluene	<19		96	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
p-Isopropyltoluene	<32		96	32	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Benzene	<18		96	18	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Bromobenzene	<21		96	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Bromoform	<48	* ^c	96	48	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Bromomethane	<21		96	21	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Carbon tetrachloride	<24	^c	96	24	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Chlorobenzene	<13		96	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Bromochloromethane	<35		96	35	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Dibromochloromethane	<46	* ^c	96	46	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Chloroethane	<20		96	20	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Chloroform	<66		96	66	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Chloromethane	<23		96	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
cis-1,2-Dichloroethene	<26		96	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Dibromomethane	<31		96	31	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Bromodichloromethane	<19		96	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Dichlorodifluoromethane	<42		96	42	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Ethylbenzene	<28		96	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
1,2-Dibromoethane	<17		96	17	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Hexachlorobutadiene	<38	^c	96	38	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Isopropyl ether	<51		96	51	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Isopropylbenzene	<14		96	14	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Methyl tert-butyl ether	<36		96	36	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Methylene Chloride	<19		96	19	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
m&p-Xylene	**75**	**J**	190	53	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Naphthalene	<32		96	32	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
n-Butylbenzene	<28		96	28	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
N-Propylbenzene	<25		96	25	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1

Client Sample ID: OUTSIDE - 4

Date Collected: 12/29/22 12:45
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-3

Matrix: Solid
Percent Solids: 76.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**20**	**J**	96	12	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
sec-Butylbenzene	<35		96	35	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Tetrachloroethene	<13		96	13	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Toluene	<26		96	26	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
trans-1,2-Dichloroethene	<23		96	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
trans-1,3-Dichloropropene	<9.4		96	9.4	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Trichloroethene	<27		96	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Trichlorofluoromethane	<45	^c	96	45	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Vinyl chloride	<32	^c	96	32	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Xylenes, Total	**95**	**J**	190	53	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
cis-1,3-Dichloropropene	<23		96	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
Styrene	<23		96	23	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1
tert-Butylbenzene	<27		96	27	ug/Kg	☼	01/03/23 18:45	01/04/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*01/03/23 18:45*	*01/04/23 17:57*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*01/03/23 18:45*	*01/04/23 17:57*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*01/03/23 18:45*	*01/04/23 17:57*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*01/03/23 18:45*	*01/04/23 17:57*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<46		230	46	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1221	<46		230	46	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1232	<46		230	46	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1242	<46		230	46	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1248	<46		230	46	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1254	<110		230	110	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1
PCB-1260	<110		230	110	ug/Kg	☼	01/04/23 15:44	01/05/23 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*01/04/23 15:44*	*01/05/23 19:34*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*01/04/23 15:44*	*01/05/23 19:34*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.75	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Arsenic	**3.9**		2.5	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Barium	**73.5**		0.63	0.14	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Cadmium	**0.28**		0.25	0.038	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Chromium	**21.0**		0.63	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Lead	**15.4**		1.3	0.30	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 16:45	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25.6**	**J**	26.7	6.1	ug/Kg	☼	01/04/23 10:01	01/04/23 13:09	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 5
Date Collected: 12/29/22 12:10
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-4
Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1,1-Trichloroethane	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1,2,2-Tetrachloroethane	<11		67	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1,2-Trichloroethane	<14		67	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1-Dichloroethane	<21		67	21	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1-Dichloroethene	<23		67	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,1-Dichloropropene	<17		67	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2,3-Trichlorobenzene	<31		67	31	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2,3-Trichloropropane	<15		67	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2,4-Trichlorobenzene	<26		67	26	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2,4-Trimethylbenzene	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2-Dibromo-3-Chloropropane	<34		67	34	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2-Dichlorobenzene	<17		67	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2-Dichloroethane	<28		67	28	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2-Dichloropropane	<11		67	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,3,5-Trimethylbenzene	<20		67	20	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,3-Dichlorobenzene	<18		67	18	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,3-Dichloropropane	<12		67	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,4-Dichlorobenzene	**62**	**J**	67	9.4	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
2,2-Dichloropropane	<15		67	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
2-Chlorotoluene	<26		67	26	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
4-Chlorotoluene	<14		67	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
p-Isopropyltoluene	<23		67	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Benzene	**55**	**J**	67	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Bromobenzene	<15		67	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Bromoform	<34	* ^c	67	34	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Bromomethane	<15		67	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Carbon tetrachloride	<17	^c	67	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Chlorobenzene	**1900**		67	8.9	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Bromochloromethane	<24		67	24	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Dibromochloromethane	<33	* ^c	67	33	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Chloroethane	<14		67	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Chloroform	<46		67	46	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Chloromethane	<16		67	16	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
cis-1,2-Dichloroethene	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Dibromomethane	<22		67	22	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Bromodichloromethane	<13		67	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Dichlorodifluoromethane	<29		67	29	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Ethylbenzene	**44**	**J**	67	20	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
1,2-Dibromoethane	<12		67	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Hexachlorobutadiene	<27	^c	67	27	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Isopropyl ether	<36		67	36	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Isopropylbenzene	**160**		67	10	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Methyl tert-butyl ether	<25		67	25	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Methylene Chloride	<13		67	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
m&p-Xylene	**86**	**J**	130	37	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Naphthalene	**54**	**J**	67	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
n-Butylbenzene	**29**	**J**	67	20	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
N-Propylbenzene	**410**		67	18	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1

Client Sample ID: OUTSIDE - 5

Date Collected: 12/29/22 12:10
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-4

Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**22**	**J**	67	8.8	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
sec-Butylbenzene	**35**	**J**	67	25	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Tetrachloroethene	<9.1		67	9.1	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Toluene	<18		67	18	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
trans-1,2-Dichloroethene	<16		67	16	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
trans-1,3-Dichloropropene	<6.6		67	6.6	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Trichloroethene	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Trichlorofluoromethane	<32	^c	67	32	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Vinyl chloride	<23	^c	67	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Xylenes, Total	**110**	**J**	130	37	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
cis-1,3-Dichloropropene	<16		67	16	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
Styrene	<16		67	16	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1
tert-Butylbenzene	<19		67	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*01/03/23 18:45*	*01/04/23 18:20*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*01/03/23 18:45*	*01/04/23 18:20*	*1*
Toluene-d8 (Surr)	*91*		*50 - 149*	*01/03/23 18:45*	*01/04/23 18:20*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*01/03/23 18:45*	*01/04/23 18:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1221	<47		240	47	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1232	<47		240	47	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1242	<47		240	47	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1248	<47		240	47	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1254	**230**	**J**	240	110	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1
PCB-1260	<110		240	110	ug/Kg	☼	01/04/23 15:44	01/05/23 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*01/04/23 15:44*	*01/05/23 19:47*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*01/04/23 15:44*	*01/05/23 19:47*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.69	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Arsenic	**2.1**	**J**	2.3	0.46	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Barium	**53.0**		0.58	0.13	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Cadmium	**0.30**		0.23	0.035	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Chromium	**12.5**		0.58	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Lead	**7.6**		1.2	0.28	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	12/30/22 14:16	01/03/23 16:49	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13.2**	**J**	24.4	5.6	ug/Kg	☼	01/04/23 10:01	01/04/23 13:10	1

Client Sample ID: OUTSIDE - 6

Date Collected: 12/29/22 12:01
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-5

Matrix: Solid
Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1,2-Trichloroethane	<10		50	10	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2,4-Trichlorobenzene	<19		50	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,3-Dichloropropane	<9.1		50	9.1	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
2,2-Dichloropropane	<11		50	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Benzene	<9.5		50	9.5	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Bromobenzene	<11		50	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Bromoform	<25	* ^c	50	25	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Bromomethane	<11		50	11	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Carbon tetrachloride	<13	^c	50	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Bromochloromethane	<18		50	18	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Dibromochloromethane	<24	* ^c	50	24	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Chloroethane	<10		50	10	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Chloroform	<34		50	34	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Chloromethane	<12		50	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Dibromomethane	<16		50	16	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Bromodichloromethane	<10		50	10	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Ethylbenzene	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
1,2-Dibromoethane	<8.7		50	8.7	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Hexachlorobutadiene	<20	^c	50	20	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Isopropyl ether	<26		50	26	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Isopropylbenzene	<7.5		50	7.5	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Methylene Chloride	<9.9		50	9.9	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
m&p-Xylene	<28		100	28	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Naphthalene	<17		50	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
n-Butylbenzene	<15		50	15	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
N-Propylbenzene	**14**	**J**	50	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1

Client Sample ID: OUTSIDE - 6

Date Collected: 12/29/22 12:01
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-5

Matrix: Solid
Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.5		50	6.5	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
sec-Butylbenzene	<18		50	18	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Toluene	<13		50	13	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Trichloroethene	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Trichlorofluoromethane	<23	^c	50	23	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Vinyl chloride	<17	^c	50	17	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Xylenes, Total	<28		100	28	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
Styrene	<12		50	12	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	01/03/23 18:45	01/04/23 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*	*01/03/23 18:45*	*01/04/23 18:43*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*01/03/23 18:45*	*01/04/23 18:43*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*01/03/23 18:45*	*01/04/23 18:43*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*01/03/23 18:45*	*01/04/23 18:43*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<48		240	48	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1221	<48		240	48	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1232	<48		240	48	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1242	<48		240	48	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1248	<48		240	48	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1254	<110		240	110	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1
PCB-1260	<110		240	110	ug/Kg	☼	01/04/23 15:44	01/05/23 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*01/04/23 15:44*	*01/05/23 20:01*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*01/04/23 15:44*	*01/05/23 20:01*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Arsenic	**2.1**	**J**	2.3	0.46	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Barium	**21.9**		0.57	0.13	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Cadmium	**0.34**		0.23	0.034	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Chromium	**7.3**		0.57	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Lead	**7.8**		1.1	0.27	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	12/30/22 14:16	01/03/23 16:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.8**	**J**	21.2	4.9	ug/Kg	☼	01/04/23 10:01	01/04/23 13:14	1

Client Sample ID: OUTSIDE - 7

Date Collected: 12/29/22 14:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-6

Matrix: Solid
Percent Solids: 79.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<23		81	23	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1,1-Trichloroethane	<22		81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1,2,2-Tetrachloroethane	<13		81	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1,2-Trichloroethane	<17		81	17	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1-Dichloroethane	<25		81	25	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1-Dichloroethene	<28		81	28	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,1-Dichloropropene	<20		81	20	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2,3-Trichlorobenzene	<37		81	37	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2,3-Trichloropropane	<18		81	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2,4-Trichlorobenzene	<31		81	31	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2,4-Trimethylbenzene	**57**	**J**	81	23	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2-Dibromo-3-Chloropropane	<40		81	40	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2-Dichlorobenzene	<21		81	21	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2-Dichloroethane	<33		81	33	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2-Dichloropropane	**97**		81	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,3,5-Trimethylbenzene	<24		81	24	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,3-Dichlorobenzene	<22		81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,3-Dichloropropane	<15		81	15	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,4-Dichlorobenzene	<11		81	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
2,2-Dichloropropane	<18		81	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
2-Chlorotoluene	<31		81	31	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
4-Chlorotoluene	<16		81	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
p-Isopropyltoluene	<27		81	27	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Benzene	<15		81	15	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Bromobenzene	<18		81	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Bromoform	<40	* ^c	81	40	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Bromomethane	<18		81	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Carbon tetrachloride	<21	^c	81	21	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Chlorobenzene	**94**		81	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Bromochloromethane	<29		81	29	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Dibromochloromethane	<39	* ^c	81	39	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Chloroethane	<17		81	17	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Chloroform	<55		81	55	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Chloromethane	<19		81	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
cis-1,2-Dichloroethene	<22		81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Dibromomethane	<26		81	26	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Bromodichloromethane	<16		81	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Dichlorodifluoromethane	<35		81	35	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Ethylbenzene	<24		81	24	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
1,2-Dibromoethane	<14		81	14	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Hexachlorobutadiene	<32	^c	81	32	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Isopropyl ether	<43		81	43	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Isopropylbenzene	**14**	**J**	81	12	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Methyl tert-butyl ether	<31		81	31	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Methylene Chloride	<16		81	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
m&p-Xylene	**53**	**J**	160	45	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Naphthalene	<27		81	27	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
n-Butylbenzene	<24		81	24	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
N-Propylbenzene	**39**	**J**	81	21	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1

Client Sample ID: OUTSIDE - 7

Date Collected: 12/29/22 14:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-6

Matrix: Solid
Percent Solids: 79.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<11		81	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
sec-Butylbenzene	<30		81	30	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Tetrachloroethene	<11		81	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Toluene	<22		81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
trans-1,2-Dichloroethene	<19		81	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
trans-1,3-Dichloropropene	<7.9		81	7.9	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Trichloroethene	**51**	**J**	81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Trichlorofluoromethane	<38	^c	81	38	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Vinyl chloride	<27	^c	81	27	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Xylenes, Total	**53**	**J**	160	45	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
cis-1,3-Dichloropropene	<19		81	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
Styrene	<19		81	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1
tert-Butylbenzene	<22		81	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*53 - 146*	*01/03/23 18:45*	*01/04/23 19:06*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*01/03/23 18:45*	*01/04/23 19:06*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*01/03/23 18:45*	*01/04/23 19:06*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*01/03/23 18:45*	*01/04/23 19:06*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<52		270	52	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1221	<52		270	52	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1232	<52		270	52	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1242	<52		270	52	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1248	<52		270	52	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1254	<120		270	120	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1
PCB-1260	<120		270	120	ug/Kg	☼	01/04/23 15:44	01/05/23 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*117*		*60 - 154*	*01/04/23 15:44*	*01/05/23 20:14*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*01/04/23 15:44*	*01/05/23 20:14*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.92**		0.76	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Arsenic	**3.9**		2.5	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Barium	**88.8**		0.63	0.14	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Cadmium	**0.40**		0.25	0.038	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Chromium	**21.9**		0.63	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Lead	**31.4**		1.3	0.30	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 16:57	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**62.1**		25.7	5.9	ug/Kg	☼	01/04/23 10:01	01/04/23 13:15	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 8
Date Collected: 12/29/22 13:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-7
Matrix: Solid
Percent Solids: 78.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<19		66	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1,1-Trichloroethane	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1,2,2-Tetrachloroethane	<11		66	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1,2-Trichloroethane	<14		66	14	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1-Dichloroethane	<20		66	20	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1-Dichloroethene	<23		66	23	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,1-Dichloropropene	<16		66	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2,3-Trichlorobenzene	<30		66	30	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2,3-Trichloropropane	<15		66	15	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2,4-Trichlorobenzene	<25		66	25	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2,4-Trimethylbenzene	**33**	**J**	66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2-Dibromo-3-Chloropropane	<33		66	33	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2-Dichlorobenzene	<17		66	17	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2-Dichloroethane	<27		66	27	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2-Dichloropropane	<11		66	11	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,3,5-Trimethylbenzene	<20		66	20	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,3-Dichlorobenzene	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,3-Dichloropropane	<12		66	12	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,4-Dichlorobenzene	**24**	**J**	66	9.2	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
2,2-Dichloropropane	<15		66	15	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
2-Chlorotoluene	<25		66	25	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
4-Chlorotoluene	<13		66	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
p-Isopropyltoluene	<22		66	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Benzene	<13		66	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Bromobenzene	<14		66	14	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Bromoform	<33	* ^c	66	33	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Bromomethane	<15		66	15	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Carbon tetrachloride	<17	^c	66	17	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Chlorobenzene	**60**	**J**	66	8.7	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Bromochloromethane	<24		66	24	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Dibromochloromethane	<32	* ^c	66	32	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Chloroethane	<14		66	14	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Chloroform	<45		66	45	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Chloromethane	<16		66	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
cis-1,2-Dichloroethene	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Dibromomethane	<21		66	21	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Bromodichloromethane	<13		66	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Dichlorodifluoromethane	<29		66	29	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Ethylbenzene	<19		66	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
1,2-Dibromoethane	<12		66	12	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Hexachlorobutadiene	<26	^c	66	26	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Isopropyl ether	<35		66	35	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Isopropylbenzene	**18**	**J**	66	9.9	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Methyl tert-butyl ether	<25		66	25	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Methylene Chloride	<13		66	13	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
m&p-Xylene	<37		130	37	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Naphthalene	<22		66	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
n-Butylbenzene	<19		66	19	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
N-Propylbenzene	**44**	**J**	66	17	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1

Client Sample ID: OUTSIDE - 8

Date Collected: 12/29/22 13:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-7

Matrix: Solid
Percent Solids: 78.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<8.6		66	8.6	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
sec-Butylbenzene	<24		66	24	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Tetrachloroethene	<8.9		66	8.9	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Toluene	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
trans-1,2-Dichloroethene	<16		66	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
trans-1,3-Dichloropropene	<6.5		66	6.5	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Trichloroethene	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Trichlorofluoromethane	<31	^c	66	31	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Vinyl chloride	<22	^c	66	22	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Xylenes, Total	<37		130	37	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
cis-1,3-Dichloropropene	<16		66	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
Styrene	<16		66	16	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1
tert-Butylbenzene	<18		66	18	ug/Kg	☼	01/03/23 18:45	01/04/23 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*53 - 146*	*01/03/23 18:45*	*01/04/23 19:29*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*01/03/23 18:45*	*01/04/23 19:29*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*01/03/23 18:45*	*01/04/23 19:29*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*01/03/23 18:45*	*01/04/23 19:29*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1221	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1232	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1242	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1248	<49		250	49	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1254	<120		250	120	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1
PCB-1260	<120		250	120	ug/Kg	☼	01/04/23 15:44	01/05/23 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*01/04/23 15:44*	*01/05/23 20:27*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*01/04/23 15:44*	*01/05/23 20:27*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.75	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Arsenic	**4.5**		2.5	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Barium	**81.9**		0.62	0.14	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Cadmium	**0.41**		0.25	0.037	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Chromium	**24.9**		0.62	0.25	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Lead	**19.6**		1.2	0.30	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	12/30/22 14:16	01/03/23 17:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**48.3**		25.7	5.9	ug/Kg	☼	01/04/23 10:01	01/04/23 13:16	1

Client Sample ID: OUTSIDE - 9

Date Collected: 12/29/22 14:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-8

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<180		630	180	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1,1-Trichloroethane	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1,2,2-Tetrachloroethane	<100		630	100	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1,2-Trichloroethane	<130		630	130	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1-Dichloroethane	<190		630	190	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1-Dichloroethene	<220		630	220	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,1-Dichloropropene	<160		630	160	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2,3-Trichlorobenzene	<290		630	290	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2,3-Trichloropropane	<140		630	140	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2,4-Trichlorobenzene	**530**	**J**	630	240	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2,4-Trimethylbenzene	**8200**		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2-Dibromo-3-Chloropropane	<310		630	310	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2-Dichlorobenzene	<160		630	160	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2-Dichloroethane	<260		630	260	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2-Dichloropropane	<100		630	100	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,3,5-Trimethylbenzene	**1600**		630	190	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,3-Dichlorobenzene	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,3-Dichloropropane	<110		630	110	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,4-Dichlorobenzene	<88		630	88	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
2,2-Dichloropropane	<140		630	140	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
2-Chlorotoluene	<240		630	240	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
4-Chlorotoluene	<130		630	130	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
p-Isopropyltoluene	<210		630	210	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Benzene	<120		630	120	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Bromobenzene	<140		630	140	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Bromoform	<310	* ^c	630	310	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Bromomethane	<140		630	140	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Carbon tetrachloride	<160	^c	630	160	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Chlorobenzene	**400**	**J**	630	83	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Bromochloromethane	<230		630	230	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Dibromochloromethane	<300	* ^c	630	300	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Chloroethane	<130		630	130	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Chloroform	<430		630	430	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Chloromethane	<150		630	150	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
cis-1,2-Dichloroethene	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Dibromomethane	<200		630	200	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Bromodichloromethane	<130		630	130	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Dichlorodifluoromethane	<270		630	270	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Ethylbenzene	**9700**		630	180	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
1,2-Dibromoethane	<110		630	110	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Hexachlorobutadiene	<250	^c	630	250	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Isopropyl ether	<330		630	330	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Isopropylbenzene	**720**		630	94	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Methyl tert-butyl ether	<240		630	240	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Methylene Chloride	<120		630	120	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
m&p-Xylene	**41000**		1300	350	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Naphthalene	**1200**		630	210	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
n-Butylbenzene	**400**	**J**	630	180	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
N-Propylbenzene	**1500**		630	160	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8

Client Sample ID: OUTSIDE - 9

Date Collected: 12/29/22 14:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-8

Matrix: Solid
Percent Solids: 89.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**15000**		630	81	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
sec-Butylbenzene	**240**	**J**	630	230	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Tetrachloroethene	<84		630	84	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Toluene	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
trans-1,2-Dichloroethene	<150		630	150	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
trans-1,3-Dichloropropene	<61		630	61	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Trichloroethene	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Trichlorofluoromethane	<290	^c	630	290	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Vinyl chloride	<210	^c	630	210	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Xylenes, Total	**56000**		1300	350	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
cis-1,3-Dichloropropene	<150		630	150	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
Styrene	<150		630	150	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8
tert-Butylbenzene	<170		630	170	ug/Kg	☼	01/03/23 18:45	01/04/23 19:51	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*	*01/03/23 18:45*	*01/04/23 19:51*	*8*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*01/03/23 18:45*	*01/04/23 19:51*	*8*
Toluene-d8 (Surr)	*89*		*50 - 149*	*01/03/23 18:45*	*01/04/23 19:51*	*8*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*01/03/23 18:45*	*01/04/23 19:51*	*8*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1221	<45		230	45	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1232	<45		230	45	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1242	<45		230	45	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1248	<45		230	45	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1254	<110		230	110	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1
PCB-1260	**1800**		230	110	ug/Kg	☼	01/04/23 15:44	01/05/23 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*60 - 154*	*01/04/23 15:44*	*01/05/23 20:40*	*1*
DCB Decachlorobiphenyl	*121*		*65 - 174*	*01/04/23 15:44*	*01/05/23 20:40*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Arsenic	**2.6**		2.3	0.45	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Barium	**18.3**	**F1**	0.57	0.13	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Cadmium	**0.41**		0.23	0.034	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Chromium	**9.5**		0.57	0.23	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Lead	**6.8**		1.1	0.27	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	12/30/22 14:16	01/03/23 17:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.5**	**J**	23.0	5.3	ug/Kg	☼	01/04/23 10:01	01/04/23 13:18	1

Client Sample ID: OUTSIDE - 10
Date Collected: 12/29/22 15:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-9
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<400		1400	400	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1,1-Trichloroethane	<380		1400	380	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1,2,2-Tetrachloroethane	<230		1400	230	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1,2-Trichloroethane	<290		1400	290	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1-Dichloroethane	<430		1400	430	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1-Dichloroethene	<480		1400	480	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,1-Dichloropropene	<350		1400	350	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2,3-Trichlorobenzene	<640		1400	640	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2,3-Trichloropropane	<310		1400	310	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2,4-Trichlorobenzene	<530		1400	530	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2,4-Trimethylbenzene	**1100**	**J**	1400	390	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2-Dibromo-3-Chloropropane	<690		1400	690	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2-Dichlorobenzene	<350		1400	350	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2-Dichloroethane	<570		1400	570	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2-Dichloropropane	<230		1400	230	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,3,5-Trimethylbenzene	<420		1400	420	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,3-Dichlorobenzene	<370		1400	370	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,3-Dichloropropane	<250		1400	250	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,4-Dichlorobenzene	<190		1400	190	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
2,2-Dichloropropane	<320		1400	320	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
2-Chlorotoluene	<530		1400	530	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
4-Chlorotoluene	<280		1400	280	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
p-Isopropyltoluene	<470		1400	470	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Benzene	<260		1400	260	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Bromobenzene	<300		1400	300	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Bromoform	<690	* ^c	1400	690	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Bromomethane	<310		1400	310	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Carbon tetrachloride	<350	^c	1400	350	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Chlorobenzene	<180		1400	180	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Bromochloromethane	<500		1400	500	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Dibromochloromethane	<670	* ^c	1400	670	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Chloroethane	<290		1400	290	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Chloroform	<950		1400	950	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Chloromethane	<330		1400	330	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
cis-1,2-Dichloroethene	<380		1400	380	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Dibromomethane	<450		1400	450	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Bromodichloromethane	<280		1400	280	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Dichlorodifluoromethane	<610		1400	610	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Ethylbenzene	**16000**		1400	400	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
1,2-Dibromoethane	<240		1400	240	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Hexachlorobutadiene	<550	^c	1400	550	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Isopropyl ether	<740		1400	740	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Isopropylbenzene	**280**	**J**	1400	210	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Methyl tert-butyl ether	<530		1400	530	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Methylene Chloride	<280		1400	280	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
m&p-Xylene	**46000**		2800	770	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Naphthalene	<470		1400	470	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
n-Butylbenzene	<410		1400	410	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
N-Propylbenzene	<360		1400	360	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20

Client Sample ID: OUTSIDE - 10

Date Collected: 12/29/22 15:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-9

Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**4800**		1400	180	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
sec-Butylbenzene	<510		1400	510	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Tetrachloroethene	<190		1400	190	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Toluene	<370		1400	370	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
trans-1,2-Dichloroethene	<330		1400	330	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
trans-1,3-Dichloropropene	<140		1400	140	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Trichloroethene	<390		1400	390	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Trichlorofluoromethane	<650	^c	1400	650	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Vinyl chloride	<470	^c	1400	470	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Xylenes, Total	**51000**		2800	770	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
cis-1,3-Dichloropropene	<330		1400	330	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
Styrene	<330		1400	330	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20
tert-Butylbenzene	<390		1400	390	ug/Kg	☼	01/03/23 18:45	01/04/23 20:14	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*53 - 146*	*01/03/23 18:45*	*01/04/23 20:14*	*20*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*01/03/23 18:45*	*01/04/23 20:14*	*20*
Toluene-d8 (Surr)	*89*		*50 - 149*	*01/03/23 18:45*	*01/04/23 20:14*	*20*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*01/03/23 18:45*	*01/04/23 20:14*	*20*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1221	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1232	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1242	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1248	<41		210	41	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1254	<97		210	97	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1
PCB-1260	<97		210	97	ug/Kg	☼	01/04/23 15:44	01/05/23 20:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*107*		*60 - 154*	*01/04/23 15:44*	*01/05/23 20:54*	*1*
DCB Decachlorobiphenyl	*124*		*65 - 174*	*01/04/23 15:44*	*01/05/23 20:54*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Arsenic	**2.5**		2.4	0.48	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Barium	**68.2**		0.61	0.13	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Cadmium	**0.27**		0.24	0.036	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Chromium	**14.9**		0.61	0.24	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Lead	**8.0**		1.2	0.29	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	12/30/22 14:16	01/03/23 17:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13.1**	**J**	20.9	4.8	ug/Kg	☼	01/04/23 10:01	01/04/23 13:19	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-205002-1	OUTSIDE 1	116 ^c	107	103	110
480-205087-1	OUTSIDE - 2	93	99	93	96
480-205087-2	OUTSIDE - 3	92	96	89	93
480-205087-3	OUTSIDE - 4	93	99	94	97
480-205087-4	OUTSIDE - 5	96	100	91	100
480-205087-5	OUTSIDE - 6	89	97	92	95
480-205087-6	OUTSIDE - 7	90	99	94	94
480-205087-7	OUTSIDE - 8	87	97	92	88
480-205087-8	OUTSIDE - 9	91	97	89	100
480-205087-9	OUTSIDE - 10	89	99	89	92
LCS 480-654578/1-A	Lab Control Sample	118	109	110	114
LCS 480-654949/1-A	Lab Control Sample	91	99	91	102
MB 480-654578/2-A	Method Blank	115	101	104	112
MB 480-654949/3-A	Method Blank	92	104	95	95
MB 480-654962/33	Method Blank	101	107	97	106

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-205002-1	OUTSIDE 1	107	111
480-205002-1 MS	OUTSIDE 1	130	118
480-205002-1 MSD	OUTSIDE 1	123	108
480-205087-1	OUTSIDE - 2	111	128
480-205087-2	OUTSIDE - 3	106	125
480-205087-3	OUTSIDE - 4	116	99
480-205087-4	OUTSIDE - 5	107	99
480-205087-5	OUTSIDE - 6	118	116
480-205087-6	OUTSIDE - 7	117	112
480-205087-7	OUTSIDE - 8	109	117
480-205087-8	OUTSIDE - 9	105	121
480-205087-9	OUTSIDE - 10	107	124
LCS 480-655084/2-A	Lab Control Sample	119	141
MB 480-655084/1-A	Method Blank	116	126

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-654578/2-A
Matrix: Solid
Analysis Batch: 654570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654578

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1-Dichloroethane	<31		100	31	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1-Dichloroethene	<35		100	35	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,1-Dichloropropene	<25		100	25	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2-Dichloroethane	<41		100	41	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2-Dichloropropane	<16		100	16	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,3-Dichloropropane	<18		100	18	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
2,2-Dichloropropane	<23		100	23	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
2-Chlorotoluene	<38		100	38	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
4-Chlorotoluene	<20		100	20	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
p-Isopropyltoluene	<34		100	34	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Benzene	<19		100	19	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Bromobenzene	<22		100	22	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Bromoform	<50		100	50	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Bromomethane	<22		100	22	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Carbon tetrachloride	<26		100	26	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Chlorobenzene	<13		100	13	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Bromochloromethane	<36		100	36	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Dibromochloromethane	<48		100	48	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Chloroethane	<21		100	21	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Chloroform	<69		100	69	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Chloromethane	<24		100	24	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Dibromomethane	<33		100	33	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Bromodichloromethane	<20		100	20	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Ethylbenzene	<29		100	29	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
1,2-Dibromoethane	<18		100	18	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Hexachlorobutadiene	<40		100	40	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Isopropyl ether	<53		100	53	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Isopropylbenzene	<15		100	15	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Methylene Chloride	<20		100	20	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
m&p-Xylene	<55		200	55	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Naphthalene	<34		100	34	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
n-Butylbenzene	<29		100	29	ug/Kg		12/28/22 11:04	12/28/22 14:07	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-654578/2-A
Matrix: Solid
Analysis Batch: 654570

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654578

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
o-Xylene	<13		100	13	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
sec-Butylbenzene	<37		100	37	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Tetrachloroethene	<13		100	13	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Toluene	<27		100	27	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Trichloroethene	<28		100	28	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Trichlorofluoromethane	<47		100	47	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Vinyl chloride	<34		100	34	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Xylenes, Total	<55		200	55	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
Styrene	<24		100	24	ug/Kg		12/28/22 11:04	12/28/22 14:07	1
tert-Butylbenzene	<28		100	28	ug/Kg		12/28/22 11:04	12/28/22 14:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*53 - 146*	*12/28/22 11:04*	*12/28/22 14:07*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*12/28/22 11:04*	*12/28/22 14:07*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*12/28/22 11:04*	*12/28/22 14:07*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*	*12/28/22 11:04*	*12/28/22 14:07*	*1*

Lab Sample ID: LCS 480-654578/1-A
Matrix: Solid
Analysis Batch: 654570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2850		ug/Kg		114	78 - 120
1,1,1-Trichloroethane	2500	3100		ug/Kg		124	68 - 130
1,1,2,2-Tetrachloroethane	2500	2130		ug/Kg		85	73 - 120
1,1,2-Trichloroethane	2500	2530		ug/Kg		101	80 - 120
1,1-Dichloroethane	2500	2720		ug/Kg		109	78 - 121
1,1-Dichloroethene	2500	2080		ug/Kg		83	48 - 133
1,1-Dichloropropene	2500	2900		ug/Kg		116	75 - 121
1,2,3-Trichlorobenzene	2500	2620		ug/Kg		105	57 - 150
1,2,3-Trichloropropane	2500	2220		ug/Kg		89	75 - 120
1,2,4-Trichlorobenzene	2500	2640		ug/Kg		106	70 - 140
1,2,4-Trimethylbenzene	2500	2640		ug/Kg		106	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2370		ug/Kg		95	56 - 122
1,2-Dichlorobenzene	2500	2600		ug/Kg		104	78 - 125
1,2-Dichloroethane	2500	2790		ug/Kg		112	74 - 127
1,2-Dichloropropane	2500	2610		ug/Kg		104	80 - 120
1,3,5-Trimethylbenzene	2500	2680		ug/Kg		107	79 - 120
1,3-Dichlorobenzene	2500	2620		ug/Kg		105	80 - 120
1,3-Dichloropropane	2500	2480		ug/Kg		99	80 - 120
1,4-Dichlorobenzene	2500	2540		ug/Kg		101	80 - 120
2,2-Dichloropropane	2500	2740		ug/Kg		110	58 - 142
2-Chlorotoluene	2500	2660		ug/Kg		106	72 - 122
4-Chlorotoluene	2500	2690		ug/Kg		108	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-654578/1-A
Matrix: Solid
Analysis Batch: 654570

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2690		ug/Kg		108	80 - 120
Benzene	2500	2740		ug/Kg		110	77 - 125
Bromobenzene	2500	2660		ug/Kg		106	78 - 120
Bromoform	2500	3120		ug/Kg		125	48 - 125
Bromomethane	2500	1830		ug/Kg		73	39 - 149
Carbon tetrachloride	2500	3190		ug/Kg		128	54 - 135
Chlorobenzene	2500	2650		ug/Kg		106	76 - 126
Bromochloromethane	2500	3040	*	ug/Kg		122	79 - 120
Dibromochloromethane	2500	2970		ug/Kg		119	64 - 120
Chloroethane	2500	1740		ug/Kg		70	23 - 150
Chloroform	2500	2690		ug/Kg		107	78 - 120
Chloromethane	2500	2450		ug/Kg		98	61 - 124
cis-1,2-Dichloroethene	2500	2680		ug/Kg		107	79 - 124
Dibromomethane	2500	2700		ug/Kg		108	79 - 120
Bromodichloromethane	2500	2950		ug/Kg		118	71 - 121
Dichlorodifluoromethane	2500	3050		ug/Kg		122	10 - 150
Ethylbenzene	2500	2720		ug/Kg		109	78 - 124
1,2-Dibromoethane	2500	2640		ug/Kg		105	80 - 120
Hexachlorobutadiene	2500	2790		ug/Kg		111	61 - 149
Isopropylbenzene	2500	2660		ug/Kg		106	76 - 120
Methyl tert-butyl ether	2500	2730		ug/Kg		109	67 - 137
Methylene Chloride	2500	2480		ug/Kg		99	75 - 118
m&p-Xylene	2500	2780		ug/Kg		111	77 - 125
Naphthalene	2500	2450		ug/Kg		98	65 - 142
n-Butylbenzene	2500	2640		ug/Kg		105	80 - 120
N-Propylbenzene	2500	2590		ug/Kg		104	76 - 120
o-Xylene	2500	2710		ug/Kg		108	80 - 124
sec-Butylbenzene	2500	2630		ug/Kg		105	79 - 120
Tetrachloroethene	2500	3160		ug/Kg		126	73 - 133
Toluene	2500	2730		ug/Kg		109	75 - 124
trans-1,2-Dichloroethene	2500	2800		ug/Kg		112	74 - 129
trans-1,3-Dichloropropene	2500	2730		ug/Kg		109	73 - 120
Trichloroethene	2500	2930		ug/Kg		117	75 - 131
Trichlorofluoromethane	2500	2580		ug/Kg		103	29 - 158
Vinyl chloride	2500	2370		ug/Kg		95	59 - 124
cis-1,3-Dichloropropene	2500	2720		ug/Kg		109	75 - 121
Styrene	2500	2640		ug/Kg		106	80 - 120
tert-Butylbenzene	2500	2830		ug/Kg		113	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*118*		*53 - 146*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*
Toluene-d8 (Surr)	*110*		*50 - 149*
Dibromofluoromethane (Surr)	*114*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-654949/3-A
Matrix: Solid
Analysis Batch: 654962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654949

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1-Dichloroethane	<31		100	31	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1-Dichloroethene	<35		100	35	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,1-Dichloropropene	<25		100	25	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2-Dichloroethane	<41		100	41	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2-Dichloropropane	<16		100	16	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,3-Dichloropropane	<18		100	18	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
2,2-Dichloropropane	<23		100	23	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
2-Chlorotoluene	<38		100	38	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
4-Chlorotoluene	<20		100	20	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
p-Isopropyltoluene	<34		100	34	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Benzene	<19		100	19	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Bromobenzene	<22		100	22	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Bromoform	<50		100	50	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Bromomethane	<22		100	22	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Carbon tetrachloride	<26		100	26	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Chlorobenzene	<13		100	13	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Bromochloromethane	<36		100	36	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Dibromochloromethane	<48		100	48	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Chloroethane	<21		100	21	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Chloroform	<69		100	69	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Chloromethane	<24		100	24	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Dibromomethane	<33		100	33	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Bromodichloromethane	<20		100	20	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Ethylbenzene	<29		100	29	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
1,2-Dibromoethane	<18		100	18	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Hexachlorobutadiene	<40		100	40	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Isopropyl ether	<53		100	53	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Isopropylbenzene	<15		100	15	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Methylene Chloride	<20		100	20	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
m&p-Xylene	<55		200	55	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Naphthalene	<34		100	34	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
n-Butylbenzene	<29		100	29	ug/Kg		01/03/23 18:45	01/04/23 13:16	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-654949/3-A
Matrix: Solid
Analysis Batch: 654962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654949

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
o-Xylene	<13		100	13	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
sec-Butylbenzene	<37		100	37	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Tetrachloroethene	<13		100	13	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Toluene	<27		100	27	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Trichloroethene	<28		100	28	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Trichlorofluoromethane	<47		100	47	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Vinyl chloride	<34		100	34	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Xylenes, Total	<55		200	55	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
Styrene	<24		100	24	ug/Kg		01/03/23 18:45	01/04/23 13:16	1
tert-Butylbenzene	<28		100	28	ug/Kg		01/03/23 18:45	01/04/23 13:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*01/03/23 18:45*	*01/04/23 13:16*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*01/03/23 18:45*	*01/04/23 13:16*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*01/03/23 18:45*	*01/04/23 13:16*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*01/03/23 18:45*	*01/04/23 13:16*	*1*

Lab Sample ID: LCS 480-654949/1-A
Matrix: Solid
Analysis Batch: 654962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2680		ug/Kg		107	78 - 120
1,1,1-Trichloroethane	2500	2730		ug/Kg		109	68 - 130
1,1,2,2-Tetrachloroethane	2500	2090		ug/Kg		84	73 - 120
1,1,2-Trichloroethane	2500	2220		ug/Kg		89	80 - 120
1,1-Dichloroethane	2500	2540		ug/Kg		102	78 - 121
1,1-Dichloroethene	2500	2610		ug/Kg		105	48 - 133
1,1-Dichloropropene	2500	2620		ug/Kg		105	75 - 121
1,2,3-Trichlorobenzene	2500	2170		ug/Kg		87	57 - 150
1,2,3-Trichloropropane	2500	2300		ug/Kg		92	75 - 120
1,2,4-Trichlorobenzene	2500	2260		ug/Kg		90	70 - 140
1,2,4-Trimethylbenzene	2500	2320		ug/Kg		93	77 - 127
1,2-Dibromo-3-Chloropropane	2500	1990		ug/Kg		80	56 - 122
1,2-Dichlorobenzene	2500	2440		ug/Kg		97	78 - 125
1,2-Dichloroethane	2500	2720		ug/Kg		109	74 - 127
1,2-Dichloropropane	2500	2600		ug/Kg		104	80 - 120
1,3,5-Trimethylbenzene	2500	2250		ug/Kg		90	79 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,3-Dichloropropane	2500	2320		ug/Kg		93	80 - 120
1,4-Dichlorobenzene	2500	2340		ug/Kg		94	80 - 120
2,2-Dichloropropane	2500	2220		ug/Kg		89	58 - 142
2-Chlorotoluene	2500	2410		ug/Kg		96	72 - 122
4-Chlorotoluene	2500	2470		ug/Kg		99	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-654949/1-A
Matrix: Solid
Analysis Batch: 654962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2420		ug/Kg		97	80 - 120
Benzene	2500	2580		ug/Kg		103	77 - 125
Bromobenzene	2500	2310		ug/Kg		93	78 - 120
Bromoform	2500	3190	*	ug/Kg		128	48 - 125
Bromomethane	2500	2440		ug/Kg		98	39 - 149
Carbon tetrachloride	2500	3310		ug/Kg		133	54 - 135
Chlorobenzene	2500	2370		ug/Kg		95	76 - 126
Bromochloromethane	2500	2910		ug/Kg		116	79 - 120
Dibromochloromethane	2500	3150	*	ug/Kg		126	64 - 120
Chloroethane	2500	2340		ug/Kg		94	23 - 150
Chloroform	2500	2690		ug/Kg		108	78 - 120
Chloromethane	2500	2230		ug/Kg		89	61 - 124
cis-1,2-Dichloroethene	2500	2550		ug/Kg		102	79 - 124
Dibromomethane	2500	2880		ug/Kg		115	79 - 120
Bromodichloromethane	2500	2920		ug/Kg		117	71 - 121
Dichlorodifluoromethane	2500	2360		ug/Kg		94	10 - 150
Ethylbenzene	2500	2400		ug/Kg		96	78 - 124
1,2-Dibromoethane	2500	2210		ug/Kg		88	80 - 120
Hexachlorobutadiene	2500	2230		ug/Kg		89	61 - 149
Isopropylbenzene	2500	2280		ug/Kg		91	76 - 120
Methyl tert-butyl ether	2500	2460		ug/Kg		98	67 - 137
Methylene Chloride	2500	2720		ug/Kg		109	75 - 118
m&p-Xylene	2500	2320		ug/Kg		93	77 - 125
Naphthalene	2500	2210		ug/Kg		88	65 - 142
n-Butylbenzene	2500	2340		ug/Kg		94	80 - 120
N-Propylbenzene	2500	2350		ug/Kg		94	76 - 120
o-Xylene	2500	2220		ug/Kg		89	80 - 124
sec-Butylbenzene	2500	2350		ug/Kg		94	79 - 120
Tetrachloroethene	2500	2460		ug/Kg		98	73 - 133
Toluene	2500	2490		ug/Kg		100	75 - 124
trans-1,2-Dichloroethene	2500	2760		ug/Kg		111	74 - 129
trans-1,3-Dichloropropene	2500	2100		ug/Kg		84	73 - 120
Trichloroethene	2500	2850		ug/Kg		114	75 - 131
Trichlorofluoromethane	2500	3040		ug/Kg		122	29 - 158
Vinyl chloride	2500	2870		ug/Kg		115	59 - 124
cis-1,3-Dichloropropene	2500	2630		ug/Kg		105	75 - 121
Styrene	2500	2210		ug/Kg		88	80 - 120
tert-Butylbenzene	2500	2570		ug/Kg		103	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*53 - 146*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*
Toluene-d8 (Surr)	*91*		*50 - 149*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-654962/33
Matrix: Solid
Analysis Batch: 654962

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.29		1.0	0.29	ug/Kg			01/04/23 12:53	1
1,1,1-Trichloroethane	<0.28		1.0	0.28	ug/Kg			01/04/23 12:53	1
1,1,2,2-Tetrachloroethane	<0.16		1.0	0.16	ug/Kg			01/04/23 12:53	1
1,1,2-Trichloroethane	<0.21		1.0	0.21	ug/Kg			01/04/23 12:53	1
1,1-Dichloroethane	<0.31		1.0	0.31	ug/Kg			01/04/23 12:53	1
1,1-Dichloroethene	<0.35		1.0	0.35	ug/Kg			01/04/23 12:53	1
1,1-Dichloropropene	<0.25		1.0	0.25	ug/Kg			01/04/23 12:53	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			01/04/23 12:53	1
1,2,3-Trichloropropane	<0.22		1.0	0.22	ug/Kg			01/04/23 12:53	1
1,2,4-Trichlorobenzene	<0.38		1.0	0.38	ug/Kg			01/04/23 12:53	1
1,2,4-Trimethylbenzene	<0.28		1.0	0.28	ug/Kg			01/04/23 12:53	1
1,2-Dibromo-3-Chloropropane	<0.50		1.0	0.50	ug/Kg			01/04/23 12:53	1
1,2-Dichlorobenzene	<0.26		1.0	0.26	ug/Kg			01/04/23 12:53	1
1,2-Dichloroethane	<0.41		1.0	0.41	ug/Kg			01/04/23 12:53	1
1,2-Dichloropropane	<0.16		1.0	0.16	ug/Kg			01/04/23 12:53	1
1,3,5-Trimethylbenzene	<0.30		1.0	0.30	ug/Kg			01/04/23 12:53	1
1,3-Dichlorobenzene	<0.27		1.0	0.27	ug/Kg			01/04/23 12:53	1
1,3-Dichloropropane	<0.18		1.0	0.18	ug/Kg			01/04/23 12:53	1
1,4-Dichlorobenzene	<0.14		1.0	0.14	ug/Kg			01/04/23 12:53	1
2,2-Dichloropropane	<0.23		1.0	0.23	ug/Kg			01/04/23 12:53	1
2-Chlorotoluene	<0.38		1.0	0.38	ug/Kg			01/04/23 12:53	1
4-Chlorotoluene	<0.20		1.0	0.20	ug/Kg			01/04/23 12:53	1
p-Isopropyltoluene	<0.34		1.0	0.34	ug/Kg			01/04/23 12:53	1
Benzene	<0.19		1.0	0.19	ug/Kg			01/04/23 12:53	1
Bromobenzene	<0.22		1.0	0.22	ug/Kg			01/04/23 12:53	1
Bromoform	<0.50		1.0	0.50	ug/Kg			01/04/23 12:53	1
Bromomethane	<0.22		1.0	0.22	ug/Kg			01/04/23 12:53	1
Carbon tetrachloride	<0.26		1.0	0.26	ug/Kg			01/04/23 12:53	1
Chlorobenzene	<0.13		1.0	0.13	ug/Kg			01/04/23 12:53	1
Bromochloromethane	<0.36		1.0	0.36	ug/Kg			01/04/23 12:53	1
Dibromochloromethane	<0.48		1.0	0.48	ug/Kg			01/04/23 12:53	1
Chloroethane	<0.21		1.0	0.21	ug/Kg			01/04/23 12:53	1
Chloroform	<0.69		1.0	0.69	ug/Kg			01/04/23 12:53	1
Chloromethane	<0.24		1.0	0.24	ug/Kg			01/04/23 12:53	1
cis-1,2-Dichloroethene	<0.28		1.0	0.28	ug/Kg			01/04/23 12:53	1
Dibromomethane	<0.33		1.0	0.33	ug/Kg			01/04/23 12:53	1
Bromodichloromethane	<0.20		1.0	0.20	ug/Kg			01/04/23 12:53	1
Dichlorodifluoromethane	<0.44		1.0	0.44	ug/Kg			01/04/23 12:53	1
Ethylbenzene	<0.29		1.0	0.29	ug/Kg			01/04/23 12:53	1
1,2-Dibromoethane	<0.18		1.0	0.18	ug/Kg			01/04/23 12:53	1
Hexachlorobutadiene	<0.40		1.0	0.40	ug/Kg			01/04/23 12:53	1
Isopropyl ether	<0.53		1.0	0.53	ug/Kg			01/04/23 12:53	1
Isopropylbenzene	<0.15		1.0	0.15	ug/Kg			01/04/23 12:53	1
Methyl tert-butyl ether	<0.38		1.0	0.38	ug/Kg			01/04/23 12:53	1
Methylene Chloride	<0.20		1.0	0.20	ug/Kg			01/04/23 12:53	1
m&p-Xylene	<0.55		2.0	0.55	ug/Kg			01/04/23 12:53	1
Naphthalene	<0.34		1.0	0.34	ug/Kg			01/04/23 12:53	1
n-Butylbenzene	<0.29		1.0	0.29	ug/Kg			01/04/23 12:53	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-654962/33
Matrix: Solid
Analysis Batch: 654962

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.26		1.0	0.26	ug/Kg			01/04/23 12:53	1
o-Xylene	<0.13		1.0	0.13	ug/Kg			01/04/23 12:53	1
sec-Butylbenzene	<0.37		1.0	0.37	ug/Kg			01/04/23 12:53	1
Tetrachloroethene	<0.13		1.0	0.13	ug/Kg			01/04/23 12:53	1
Toluene	<0.27		1.0	0.27	ug/Kg			01/04/23 12:53	1
trans-1,2-Dichloroethene	<0.24		1.0	0.24	ug/Kg			01/04/23 12:53	1
trans-1,3-Dichloropropene	<0.098		1.0	0.098	ug/Kg			01/04/23 12:53	1
Trichloroethene	<0.28		1.0	0.28	ug/Kg			01/04/23 12:53	1
Trichlorofluoromethane	<0.47		1.0	0.47	ug/Kg			01/04/23 12:53	1
Vinyl chloride	<0.34		1.0	0.34	ug/Kg			01/04/23 12:53	1
Xylenes, Total	<0.55		2.0	0.55	ug/Kg			01/04/23 12:53	1
cis-1,3-Dichloropropene	<0.24		1.0	0.24	ug/Kg			01/04/23 12:53	1
Styrene	<0.24		1.0	0.24	ug/Kg			01/04/23 12:53	1
tert-Butylbenzene	<0.28		1.0	0.28	ug/Kg			01/04/23 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*		*01/04/23 12:53*	*1*
4-Bromofluorobenzene (Surr)	*107*		*49 - 148*		*01/04/23 12:53*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*		*01/04/23 12:53*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*01/04/23 12:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-655084/1-A
Matrix: Solid
Analysis Batch: 655212

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 655084

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<37		190	37	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1221	<37		190	37	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1232	<37		190	37	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1242	<37		190	37	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1248	<37		190	37	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1254	<89		190	89	ug/Kg		01/04/23 15:44	01/05/23 18:01	1
PCB-1260	<89		190	89	ug/Kg		01/04/23 15:44	01/05/23 18:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*01/04/23 15:44*	*01/05/23 18:01*	*1*
DCB Decachlorobiphenyl	*126*		*65 - 174*	*01/04/23 15:44*	*01/05/23 18:01*	*1*

Lab Sample ID: LCS 480-655084/2-A
Matrix: Solid
Analysis Batch: 655212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655084

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	1910	2420		ug/Kg		127	51 - 185
PCB-1260	1910	2510		ug/Kg		131	61 - 184

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-655084/2-A
Matrix: Solid
Analysis Batch: 655212

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 655084

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	*119*		*60 - 154*
DCB Decachlorobiphenyl	*141*		*65 - 174*

Lab Sample ID: 480-205002-1 MS
Matrix: Solid
Analysis Batch: 655212

Client Sample ID: OUTSIDE 1
Prep Type: Total/NA
Prep Batch: 655084

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
PCB-1016	<41		2540	3030		ug/Kg	☼	119	50 - 177
PCB-1260	<98		2540	3010		ug/Kg	☼	119	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*130*		*60 - 154*
DCB Decachlorobiphenyl	*118*		*65 - 174*

Lab Sample ID: 480-205002-1 MSD
Matrix: Solid
Analysis Batch: 655212

Client Sample ID: OUTSIDE 1
Prep Type: Total/NA
Prep Batch: 655084

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<41		2580	3130		ug/Kg	☼	121	50 - 177	3	50
PCB-1260	<98		2580	3140		ug/Kg	☼	121	33 - 200	4	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	*123*		*60 - 154*
DCB Decachlorobiphenyl	*108*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-654477/1-A
Matrix: Solid
Analysis Batch: 654754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654477

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.57	0.19	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Arsenic	<0.38		1.9	0.38	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Barium	<0.10		0.47	0.10	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Cadmium	<0.028		0.19	0.028	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Chromium	<0.19		0.47	0.19	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Lead	<0.23		0.95	0.23	mg/Kg		12/28/22 14:47	12/29/22 12:28	1
Selenium	<0.38		3.8	0.38	mg/Kg		12/28/22 14:47	12/29/22 12:28	1

Lab Sample ID: LCDSRM 480-654477/3-A
Matrix: Solid
Analysis Batch: 654754

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 654477

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	87.5	70.61		mg/Kg		80.7	63.7 - 115.4	5	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-654477/3-A
Matrix: Solid
Analysis Batch: 654754

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 654477

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			129	107.5		mg/Kg		83.4	60.9 - 113.2	3	20
Barium			169	138.4		mg/Kg		81.9	68.6 - 114.2	7	20
Cadmium			227	171.6		mg/Kg		75.6	64.8 - 110.1	13	20
Chromium			115	90.27		mg/Kg		78.5	62.4 - 115.7	12	20
Lead			74.8	81.75		mg/Kg		109.3	67.0 - 128.9	2	20
Selenium			246	193.0		mg/Kg		78.5	60.2 - 114.6	9	20

Lab Sample ID: LCSSRM 480-654477/2-A
Matrix: Solid
Analysis Batch: 654754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654477

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	74.02		mg/Kg		84.6	63.7 - 115.4		
Arsenic			129	110.7		mg/Kg		85.8	60.9 - 113.2		
Barium			169	148.2		mg/Kg		87.7	68.6 - 114.2		
Cadmium			227	195.0		mg/Kg		85.9	64.8 - 110.1		
Chromium			115	101.8		mg/Kg		88.6	62.4 - 115.7		
Lead			74.8	80.06		mg/Kg		107.0	67.0 - 128.9		
Selenium			246	211.8		mg/Kg		86.1	60.2 - 114.6		

Lab Sample ID: MB 480-654792/1-A
Matrix: Solid
Analysis Batch: 655013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654792

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Arsenic	<0.40		2.0	0.40	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Barium	<0.11		0.50	0.11	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Cadmium	<0.030		0.20	0.030	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Chromium	<0.20		0.50	0.20	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Lead	<0.24		1.0	0.24	mg/Kg		12/30/22 14:16	01/03/23 16:10	1
Selenium	<0.40		4.0	0.40	mg/Kg		12/30/22 14:16	01/03/23 16:10	1

Lab Sample ID: LCSSRM 480-654792/2-A
Matrix: Solid
Analysis Batch: 655013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654792

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	69.56		mg/Kg		79.5	63.7 - 115.4		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-654792/2-A
Matrix: Solid
Analysis Batch: 655013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654792

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	129	98.52		mg/Kg		76.4	60.9 - 113.2
Barium	169	150.1		mg/Kg		88.8	68.6 - 114.2
Cadmium	227	166.3		mg/Kg		73.2	64.8 - 110.1
Chromium	115	89.22		mg/Kg		77.6	62.4 - 115.7
Lead	74.8	76.02		mg/Kg		101.6	67.0 - 128.9
Selenium	246	186.0		mg/Kg		75.6	60.2 - 114.6

Lab Sample ID: 480-205087-8 MS
Matrix: Solid
Analysis Batch: 655013

Client Sample ID: OUTSIDE - 9
Prep Type: Total/NA
Prep Batch: 654792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	<0.23		11.3	12.30		mg/Kg	☼	108	75 - 125
Arsenic	2.6		45.4	49.41		mg/Kg	☼	103	75 - 125
Barium	18.3	F1	45.4	71.17		mg/Kg	☼	116	75 - 125
Cadmium	0.41		45.4	47.93		mg/Kg	☼	105	75 - 125
Chromium	9.5		45.4	52.80		mg/Kg	☼	95	75 - 125
Lead	6.8		45.4	55.31		mg/Kg	☼	107	75 - 125
Selenium	<0.45		45.4	46.87		mg/Kg	☼	103	75 - 125

Lab Sample ID: 480-205087-8 MSD
Matrix: Solid
Analysis Batch: 655013

Client Sample ID: OUTSIDE - 9
Prep Type: Total/NA
Prep Batch: 654792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	<0.23		11.2	12.14		mg/Kg	☼	109	75 - 125	1	20
Arsenic	2.6		44.7	48.60		mg/Kg	☼	103	75 - 125	2	20
Barium	18.3	F1	44.7	81.14	F1	mg/Kg	☼	141	75 - 125	13	20
Cadmium	0.41		44.7	46.85		mg/Kg	☼	104	75 - 125	2	20
Chromium	9.5		44.7	55.10		mg/Kg	☼	102	75 - 125	4	20
Lead	6.8		44.7	54.54		mg/Kg	☼	107	75 - 125	1	20
Selenium	<0.45		44.7	45.21		mg/Kg	☼	101	75 - 125	4	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-654623/1-A
Matrix: Solid
Analysis Batch: 654710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654623

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.6		19.8	4.6	ug/Kg		12/29/22 10:27	12/29/22 13:25	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCDSRM 480-654623/3-A ^10
Matrix: Solid
Analysis Batch: 654710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 654623

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			20700	12140		ug/Kg		58.6	38.3 - 110.1	0	20

Lab Sample ID: LCSSRM 480-654623/2-A ^10
Matrix: Solid
Analysis Batch: 654710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654623

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			20700	12190		ug/Kg		58.9	38.3 - 110.1		

Lab Sample ID: MB 480-654978/1-A
Matrix: Solid
Analysis Batch: 655057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 654978

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.5		19.6	4.5	ug/Kg		01/04/23 10:01	01/04/23 12:58	1

Lab Sample ID: LCDSRM 480-654978/3-A ^10
Matrix: Solid
Analysis Batch: 655057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 654978

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			20700	12010		ug/Kg		58.0	38.3 - 110.1	2	20

Lab Sample ID: LCSSRM 480-654978/2-A ^10
Matrix: Solid
Analysis Batch: 655057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 654978

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			20700	12300		ug/Kg		59.4	38.3 - 110.1		

Lab Sample ID: 480-205087-1 MS
Matrix: Solid
Analysis Batch: 655057

Client Sample ID: OUTSIDE - 2
Prep Type: Total/NA
Prep Batch: 654978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	7.3	J	358	357.0		ug/Kg	☼	98	80 - 120		

Lab Sample ID: 480-205087-1 MSD
Matrix: Solid
Analysis Batch: 655057

Client Sample ID: OUTSIDE - 2
Prep Type: Total/NA
Prep Batch: 654978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	7.3	J	363	366.5		ug/Kg	☼	99	80 - 120	3	20

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

GC/MS VOA

Analysis Batch: 654570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	8260C	654578
MB 480-654578/2-A	Method Blank	Total/NA	Solid	8260C	654578
LCS 480-654578/1-A	Lab Control Sample	Total/NA	Solid	8260C	654578

Prep Batch: 654578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	5035A_H	
MB 480-654578/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-654578/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Prep Batch: 654949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	5035A_H	
480-205087-2	OUTSIDE - 3	Total/NA	Solid	5035A_H	
480-205087-3	OUTSIDE - 4	Total/NA	Solid	5035A_H	
480-205087-4	OUTSIDE - 5	Total/NA	Solid	5035A_H	
480-205087-5	OUTSIDE - 6	Total/NA	Solid	5035A_H	
480-205087-6	OUTSIDE - 7	Total/NA	Solid	5035A_H	
480-205087-7	OUTSIDE - 8	Total/NA	Solid	5035A_H	
480-205087-8	OUTSIDE - 9	Total/NA	Solid	5035A_H	
480-205087-9	OUTSIDE - 10	Total/NA	Solid	5035A_H	
MB 480-654949/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-654949/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 654962

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	8260C	654949
480-205087-2	OUTSIDE - 3	Total/NA	Solid	8260C	654949
480-205087-3	OUTSIDE - 4	Total/NA	Solid	8260C	654949
480-205087-4	OUTSIDE - 5	Total/NA	Solid	8260C	654949
480-205087-5	OUTSIDE - 6	Total/NA	Solid	8260C	654949
480-205087-6	OUTSIDE - 7	Total/NA	Solid	8260C	654949
480-205087-7	OUTSIDE - 8	Total/NA	Solid	8260C	654949
480-205087-8	OUTSIDE - 9	Total/NA	Solid	8260C	654949
480-205087-9	OUTSIDE - 10	Total/NA	Solid	8260C	654949
MB 480-654949/3-A	Method Blank	Total/NA	Solid	8260C	654949
MB 480-654962/33	Method Blank	Total/NA	Solid	8260C	
LCS 480-654949/1-A	Lab Control Sample	Total/NA	Solid	8260C	654949

GC Semi VOA

Prep Batch: 655084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	3550C	
480-205087-1	OUTSIDE - 2	Total/NA	Solid	3550C	
480-205087-2	OUTSIDE - 3	Total/NA	Solid	3550C	
480-205087-3	OUTSIDE - 4	Total/NA	Solid	3550C	
480-205087-4	OUTSIDE - 5	Total/NA	Solid	3550C	
480-205087-5	OUTSIDE - 6	Total/NA	Solid	3550C	
480-205087-6	OUTSIDE - 7	Total/NA	Solid	3550C	
480-205087-7	OUTSIDE - 8	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 655084 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-8	OUTSIDE - 9	Total/NA	Solid	3550C	
480-205087-9	OUTSIDE - 10	Total/NA	Solid	3550C	
MB 480-655084/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-655084/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-205002-1 MS	OUTSIDE 1	Total/NA	Solid	3550C	
480-205002-1 MSD	OUTSIDE 1	Total/NA	Solid	3550C	

Analysis Batch: 655212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	8082A	655084
480-205087-1	OUTSIDE - 2	Total/NA	Solid	8082A	655084
480-205087-2	OUTSIDE - 3	Total/NA	Solid	8082A	655084
480-205087-3	OUTSIDE - 4	Total/NA	Solid	8082A	655084
480-205087-4	OUTSIDE - 5	Total/NA	Solid	8082A	655084
480-205087-5	OUTSIDE - 6	Total/NA	Solid	8082A	655084
480-205087-6	OUTSIDE - 7	Total/NA	Solid	8082A	655084
480-205087-7	OUTSIDE - 8	Total/NA	Solid	8082A	655084
480-205087-8	OUTSIDE - 9	Total/NA	Solid	8082A	655084
480-205087-9	OUTSIDE - 10	Total/NA	Solid	8082A	655084
MB 480-655084/1-A	Method Blank	Total/NA	Solid	8082A	655084
LCS 480-655084/2-A	Lab Control Sample	Total/NA	Solid	8082A	655084
480-205002-1 MS	OUTSIDE 1	Total/NA	Solid	8082A	655084
480-205002-1 MSD	OUTSIDE 1	Total/NA	Solid	8082A	655084

Metals

Prep Batch: 654477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	3050B	
MB 480-654477/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-654477/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-654477/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 654623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	7471B	
MB 480-654623/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-654623/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-654623/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 654710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	7471B	654623
MB 480-654623/1-A	Method Blank	Total/NA	Solid	7471B	654623
LCDSRM 480-654623/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	654623
LCSSRM 480-654623/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	654623

Analysis Batch: 654754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	6010C	654477
MB 480-654477/1-A	Method Blank	Total/NA	Solid	6010C	654477

Metals (Continued)

Analysis Batch: 654754 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCDSRM 480-654477/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	654477
LCSSRM 480-654477/2-A	Lab Control Sample	Total/NA	Solid	6010C	654477

Prep Batch: 654792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	3050B	
480-205087-2	OUTSIDE - 3	Total/NA	Solid	3050B	
480-205087-3	OUTSIDE - 4	Total/NA	Solid	3050B	
480-205087-4	OUTSIDE - 5	Total/NA	Solid	3050B	
480-205087-5	OUTSIDE - 6	Total/NA	Solid	3050B	
480-205087-6	OUTSIDE - 7	Total/NA	Solid	3050B	
480-205087-7	OUTSIDE - 8	Total/NA	Solid	3050B	
480-205087-8	OUTSIDE - 9	Total/NA	Solid	3050B	
480-205087-9	OUTSIDE - 10	Total/NA	Solid	3050B	
MB 480-654792/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-654792/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-205087-8 MS	OUTSIDE - 9	Total/NA	Solid	3050B	
480-205087-8 MSD	OUTSIDE - 9	Total/NA	Solid	3050B	

Prep Batch: 654978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	7471B	
480-205087-2	OUTSIDE - 3	Total/NA	Solid	7471B	
480-205087-3	OUTSIDE - 4	Total/NA	Solid	7471B	
480-205087-4	OUTSIDE - 5	Total/NA	Solid	7471B	
480-205087-5	OUTSIDE - 6	Total/NA	Solid	7471B	
480-205087-6	OUTSIDE - 7	Total/NA	Solid	7471B	
480-205087-7	OUTSIDE - 8	Total/NA	Solid	7471B	
480-205087-8	OUTSIDE - 9	Total/NA	Solid	7471B	
480-205087-9	OUTSIDE - 10	Total/NA	Solid	7471B	
MB 480-654978/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-654978/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-654978/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-205087-1 MS	OUTSIDE - 2	Total/NA	Solid	7471B	
480-205087-1 MSD	OUTSIDE - 2	Total/NA	Solid	7471B	

Analysis Batch: 655013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	6010C	654792
480-205087-2	OUTSIDE - 3	Total/NA	Solid	6010C	654792
480-205087-3	OUTSIDE - 4	Total/NA	Solid	6010C	654792
480-205087-4	OUTSIDE - 5	Total/NA	Solid	6010C	654792
480-205087-5	OUTSIDE - 6	Total/NA	Solid	6010C	654792
480-205087-6	OUTSIDE - 7	Total/NA	Solid	6010C	654792
480-205087-7	OUTSIDE - 8	Total/NA	Solid	6010C	654792
480-205087-8	OUTSIDE - 9	Total/NA	Solid	6010C	654792
480-205087-9	OUTSIDE - 10	Total/NA	Solid	6010C	654792
MB 480-654792/1-A	Method Blank	Total/NA	Solid	6010C	654792
LCSSRM 480-654792/2-A	Lab Control Sample	Total/NA	Solid	6010C	654792
480-205087-8 MS	OUTSIDE - 9	Total/NA	Solid	6010C	654792
480-205087-8 MSD	OUTSIDE - 9	Total/NA	Solid	6010C	654792

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Metals

Analysis Batch: 655057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205087-1	OUTSIDE - 2	Total/NA	Solid	7471B	654978
480-205087-2	OUTSIDE - 3	Total/NA	Solid	7471B	654978
480-205087-3	OUTSIDE - 4	Total/NA	Solid	7471B	654978
480-205087-4	OUTSIDE - 5	Total/NA	Solid	7471B	654978
480-205087-5	OUTSIDE - 6	Total/NA	Solid	7471B	654978
480-205087-6	OUTSIDE - 7	Total/NA	Solid	7471B	654978
480-205087-7	OUTSIDE - 8	Total/NA	Solid	7471B	654978
480-205087-8	OUTSIDE - 9	Total/NA	Solid	7471B	654978
480-205087-9	OUTSIDE - 10	Total/NA	Solid	7471B	654978
MB 480-654978/1-A	Method Blank	Total/NA	Solid	7471B	654978
LCDSRM 480-654978/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	654978
LCSSRM 480-654978/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	654978
480-205087-1 MS	OUTSIDE - 2	Total/NA	Solid	7471B	654978
480-205087-1 MSD	OUTSIDE - 2	Total/NA	Solid	7471B	654978

General Chemistry

Analysis Batch: 654826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205002-1	OUTSIDE 1	Total/NA	Solid	Moisture	
480-205087-1	OUTSIDE - 2	Total/NA	Solid	Moisture	
480-205087-2	OUTSIDE - 3	Total/NA	Solid	Moisture	
480-205087-3	OUTSIDE - 4	Total/NA	Solid	Moisture	
480-205087-4	OUTSIDE - 5	Total/NA	Solid	Moisture	
480-205087-5	OUTSIDE - 6	Total/NA	Solid	Moisture	
480-205087-6	OUTSIDE - 7	Total/NA	Solid	Moisture	
480-205087-7	OUTSIDE - 8	Total/NA	Solid	Moisture	
480-205087-8	OUTSIDE - 9	Total/NA	Solid	Moisture	
480-205087-9	OUTSIDE - 10	Total/NA	Solid	Moisture	
480-205002-1 DU	OUTSIDE 1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE 1
Date Collected: 12/15/22 14:00
Date Received: 12/22/22 11:00

Lab Sample ID: 480-205002-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE 1
Date Collected: 12/15/22 14:00
Date Received: 12/22/22 11:00

Lab Sample ID: 480-205002-1
Matrix: Solid
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654578	AXK	EET BUF	12/28/22 11:04
Total/NA	Analysis	8260C		1	654570	AXK	EET BUF	12/28/22 16:26
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 18:54
Total/NA	Prep	3050B			654477	NVK	EET BUF	12/28/22 14:47
Total/NA	Analysis	6010C		1	654754	LMH	EET BUF	12/29/22 14:43
Total/NA	Prep	7471B			654623	NVK	EET BUF	12/29/22 10:27
Total/NA	Analysis	7471B		1	654710	NVK	EET BUF	12/29/22 13:55

Client Sample ID: OUTSIDE - 2
Date Collected: 12/29/22 14:15
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 2
Date Collected: 12/29/22 14:15
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-1
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 17:12
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 19:07
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:37
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:02

Client Sample ID: OUTSIDE - 3
Date Collected: 12/29/22 13:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 3
Date Collected: 12/29/22 13:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-2
Matrix: Solid
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 17:34
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 19:21
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:41
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:07

Client Sample ID: OUTSIDE - 4
Date Collected: 12/29/22 12:45
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 4
Date Collected: 12/29/22 12:45
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-3
Matrix: Solid
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 17:57
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 19:34
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:45
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:09

Client Sample ID: OUTSIDE - 5
Date Collected: 12/29/22 12:10
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 5
Date Collected: 12/29/22 12:10
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-4
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 18:20
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 19:47

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 5
Date Collected: 12/29/22 12:10
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-4
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:49
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:10

Client Sample ID: OUTSIDE - 6
Date Collected: 12/29/22 12:01
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 6
Date Collected: 12/29/22 12:01
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-5
Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 18:43
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 20:01
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:53
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:14

Client Sample ID: OUTSIDE - 7
Date Collected: 12/29/22 14:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 7
Date Collected: 12/29/22 14:30
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-6
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 19:06
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 20:14
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 16:57
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:15

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 8
Date Collected: 12/29/22 13:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 8
Date Collected: 12/29/22 13:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-7
Matrix: Solid
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		1	654962	LCH	EET BUF	01/04/23 19:29
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 20:27
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 17:01
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:16

Client Sample ID: OUTSIDE - 9
Date Collected: 12/29/22 14:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Client Sample ID: OUTSIDE - 9
Date Collected: 12/29/22 14:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-8
Matrix: Solid
Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		8	654962	LCH	EET BUF	01/04/23 19:51
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 20:40
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 17:16
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:18

Client Sample ID: OUTSIDE - 10
Date Collected: 12/29/22 15:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	654826	JMM	EET BUF	01/03/23 08:59

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Client Sample ID: OUTSIDE - 10

Date Collected: 12/29/22 15:00
Date Received: 12/30/22 10:30

Lab Sample ID: 480-205087-9

Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			654949	CDC	EET BUF	01/03/23 18:45
Total/NA	Analysis	8260C		20	654962	LCH	EET BUF	01/04/23 20:14
Total/NA	Prep	3550C			655084	SJM	EET BUF	01/04/23 15:44
Total/NA	Analysis	8082A		1	655212	NC	EET BUF	01/05/23 20:54
Total/NA	Prep	3050B			654792	VAK	EET BUF	12/30/22 14:16
Total/NA	Analysis	6010C		1	655013	LMH	EET BUF	01/03/23 17:36
Total/NA	Prep	7471B			654978	VAK	EET BUF	01/04/23 10:01
Total/NA	Analysis	7471B		1	655057	NVK	EET BUF	01/04/23 13:19

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-205002-1
Project/Site: Orchard Ridge-Boundary Rd

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205002-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-205002-1	OUTSIDE 1	Solid	12/15/22 14:00	12/22/22 11:00
480-205087-1	OUTSIDE - 2	Solid	12/29/22 14:15	12/30/22 10:30
480-205087-2	OUTSIDE - 3	Solid	12/29/22 13:30	12/30/22 10:30
480-205087-3	OUTSIDE - 4	Solid	12/29/22 12:45	12/30/22 10:30
480-205087-4	OUTSIDE - 5	Solid	12/29/22 12:10	12/30/22 10:30
480-205087-5	OUTSIDE - 6	Solid	12/29/22 12:01	12/30/22 10:30
480-205087-6	OUTSIDE - 7	Solid	12/29/22 14:30	12/30/22 10:30
480-205087-7	OUTSIDE - 8	Solid	12/29/22 13:00	12/30/22 10:30
480-205087-8	OUTSIDE - 9	Solid	12/29/22 14:00	12/30/22 10:30
480-205087-9	OUTSIDE - 10	Solid	12/29/22 15:00	12/30/22 10:30

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-205002-1
Project/Site: Orchard Ridge-Boundary Rd

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Eric Oelkers	Lab PM: Fischer, Brian J / katie Pralx	Carrier Tracking No(s):	COC No: 480-180003-38489.2
Client Contact: Ryan Baeten	Phone: 608 444-3934	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin: WI	Page: Page 2 of 2
Company: Waste Management	PWSID:	Analysis Requested		Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Menomonee Falls	TAT Requested (days):			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			Other:
Email: rbaeten@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site: Boundary Road	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A PCB, RCRA Metals	8260C - VOCs VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	N	N		
S-1 Outside 1	12/15/22	14:00	G	Solid	N	N		1		
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

480-205002 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment: FedEx

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Eric Oelkers	12/20/2022 17:15	SCS	Cwalker	12/22/22 7:00	TAS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.1

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: M. Sturz (SCS)	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-180003-38489.1
Client Contact: Ryan Baeten	Phone: 720-619-1978	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			
City: Menomonee Falls	TAT Requested (days):			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: rbaeten@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
Outside -2	12/29	2:15	G	Solid			X	X		
Outside -3		1:30		Solid						
Outside -4		12:45		Solid						
Outside -5		12:10		Solid						
Outside -6		12:01		Solid						
Outside -7		2:30		Solid						
Outside -8		1:00		Solid						
Outside -9		2:00		Solid						
Outside -10		3:00		Solid						
				Solid						
				Solid						

480-205087 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Matty Sturz	12/29 2:59	SCS	Unknown Couier	12/30/22 1030	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No:	Cooler Temperature(s) °C and Other Remarks:
		4.0 #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-205002-1

Login Number: 205002

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.1 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-205002-1

Login Number: 205087
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORES FROZEN 1130 12/30
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Baeten
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 2/22/2023 9:31:42 AM Revision 1

JOB DESCRIPTION

Orchard Ridge-Boundary Rd
Soil Sampling

JOB NUMBER

480-205941-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
2/22/2023 9:31:42 AM
Revision 1

Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-205941-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-205941-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 2/20/2023. The report (revision 1) is being revised to correct the sample ID for 480-205941-1, per client request.

Receipt
The samples were received on 2/3/2023 11:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 13.8º C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria: OUTSIDE-11 (480-205941-1), OUTSIDE-2 EDGE (480-205941-2), OUTSIDE-3 EDGE (480-205941-3), OUTSIDE-4 EDGE (480-205941-4), OUTSIDE-5 EDGE (480-205941-5), OUTSIDE-6 EDGE (480-205941-6), OUTSIDE-7 EDGE (480-205941-7) and OUTSIDE-8 EDGE (480-205941-8). This does not meet regulatory requirements.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: OUTSIDE-11 (480-205941-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis due to the nature of the sample matrix: OUTSIDE-2 EDGE (480-205941-2), OUTSIDE-3 EDGE (480-205941-3), OUTSIDE-4 EDGE (480-205941-4), OUTSIDE-5 EDGE (480-205941-5), OUTSIDE-6 EDGE (480-205941-6), OUTSIDE-7 EDGE (480-205941-7) and OUTSIDE-8 EDGE (480-205941-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-658179 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Chloromethane, and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-658179 was outside the method criteria for the following analyte(s): Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-658179 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Naphthalene, Chloromethane, and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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

Metals
Method 6010C: The low level continuing calibration verification (CCVL 480-658433/32) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples OUTSIDE-11 (480-205941-1), OUTSIDE-2 EDGE (480-205941-2), OUTSIDE-3 EDGE (480-205941-3), OUTSIDE-4 EDGE (480-205941-4), OUTSIDE-5 EDGE (480-205941-5),

Job ID: 480-205941-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

OUTSIDE-6 EDGE (480-205941-6), OUTSIDE-7 EDGE (480-205941-7), (LCSSRM 480-658118/2-A), (MB 480-658118/1-A), (480-205941-A-3-B MS), (480-205941-A-3-C MSD), (480-205941-A-3-A PDS) and (480-205941-A-3-A SD ^5) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-658433/43) contained Total Barium above the reporting limit (RL). All reported samples OUTSIDE-3 EDGE (480-205941-3), OUTSIDE-4 EDGE (480-205941-4), OUTSIDE-5 EDGE (480-205941-5), OUTSIDE-6 EDGE (480-205941-6), OUTSIDE-7 EDGE (480-205941-7), OUTSIDE-8 EDGE (480-205941-8), (480-205941-A-3-B MS), (480-205941-A-3-C MSD), (480-205941-A-3-A PDS) and (480-205941-A-3-A SD ^5) associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-11 — Lab Sample ID: 480-205941-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	12000		660	180	ug/Kg	10	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	2600		660	200	ug/Kg	10	☼	8260C	Total/NA
p-Isopropyltoluene	250	J	660	220	ug/Kg	10	☼	8260C	Total/NA
Ethylbenzene	9800		660	190	ug/Kg	10	☼	8260C	Total/NA
Isopropylbenzene	800		660	99	ug/Kg	10	☼	8260C	Total/NA
m&p-Xylene	55000		1300	370	ug/Kg	10	☼	8260C	Total/NA
Naphthalene	740	^c	660	220	ug/Kg	10	☼	8260C	Total/NA
n-Butylbenzene	1000		660	190	ug/Kg	10	☼	8260C	Total/NA
N-Propylbenzene	2100		660	170	ug/Kg	10	☼	8260C	Total/NA
o-Xylene	22000		660	86	ug/Kg	10	☼	8260C	Total/NA
sec-Butylbenzene	350	J	660	240	ug/Kg	10	☼	8260C	Total/NA
Toluene	710		660	180	ug/Kg	10	☼	8260C	Total/NA
Trichloroethene	710		660	180	ug/Kg	10	☼	8260C	Total/NA
Xylenes, Total	77000		1300	370	ug/Kg	10	☼	8260C	Total/NA
PCB-1242	160	J	270	53	ug/Kg	1	☼	8082A	Total/NA
Arsenic	3.7		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	205	^	0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.2		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	20.7		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	40.8		22.5	5.2	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-2 EDGE — Lab Sample ID: 480-205941-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.1		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	51.9	^	0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.048	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.7		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	10.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.7	J	21.7	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-3 EDGE — Lab Sample ID: 480-205941-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.0		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	43.4	F1 ^	0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.22	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.4		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	7.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.0	J	22.0	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-4 EDGE — Lab Sample ID: 480-205941-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	40.5	^	0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.11	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.8		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	7.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.8	J	22.9	5.3	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-5 EDGE — Lab Sample ID: 480-205941-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	46.7	^	0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.091	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.2		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.7	J	21.8	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-6 EDGE — Lab Sample ID: 480-205941-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32	J	52	15	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	55		52	6.9	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	33	J	52	7.9	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	21	J	52	15	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	47	J	52	14	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	19	J	52	6.8	ug/Kg	1	☼	8260C	Total/NA
PCB-1254	110	J	240	110	ug/Kg	1	☼	8082A	Total/NA
Arsenic	4.7		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	78.4	^	0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.23	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.0		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	17.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	24.3	J	25.2	5.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-7 EDGE — Lab Sample ID: 480-205941-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.7		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	85.7	^	0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.24		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	27.8		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	13.9		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	66.1		24.1	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE-8 EDGE — Lab Sample ID: 480-205941-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
PCB-1242	190	J	240	48	ug/Kg	1	☼	8082A	Total/NA
Silver	0.80		0.73	0.24	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.9		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	219	^	0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.63		0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	68.4		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	439		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	87.0		22.2	5.1	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: OUTSIDE-11

Date Collected: 01/24/23 08:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-1

Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<190		660	190	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1,1-Trichloroethane	<180		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1,2,2-Tetrachloroethane	<110		660	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1,2-Trichloroethane	<140		660	140	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1-Dichloroethane	<200		660	200	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1-Dichloroethene	<230		660	230	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,1-Dichloropropene	<160		660	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2,3-Trichlorobenzene	<300	^c	660	300	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2,3-Trichloropropane	<150		660	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2,4-Trichlorobenzene	<250	^c	660	250	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2,4-Trimethylbenzene	**12000**		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2-Dibromo-3-Chloropropane	<330		660	330	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2-Dichlorobenzene	<170		660	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2-Dichloroethane	<270		660	270	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2-Dichloropropane	<110		660	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,3,5-Trimethylbenzene	**2600**		660	200	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,3-Dichlorobenzene	<180		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,3-Dichloropropane	<120		660	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,4-Dichlorobenzene	<92		660	92	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
2,2-Dichloropropane	<150		660	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
2-Chlorotoluene	<250		660	250	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
4-Chlorotoluene	<130		660	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
p-Isopropyltoluene	**250**	**J**	660	220	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Benzene	<130		660	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Bromobenzene	<140		660	140	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Bromoform	<330		660	330	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Bromomethane	<150		660	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Carbon tetrachloride	<170		660	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Chlorobenzene	<87		660	87	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Bromochloromethane	<240		660	240	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Dibromochloromethane	<320		660	320	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Chloroethane	<140		660	140	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Chloroform	<450		660	450	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Chloromethane	<160	^c	660	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
cis-1,2-Dichloroethene	<180		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Dibromomethane	<210		660	210	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Bromodichloromethane	<130		660	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Dichlorodifluoromethane	<290		660	290	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Ethylbenzene	**9800**		660	190	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
1,2-Dibromoethane	<120		660	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Hexachlorobutadiene	<260	^c	660	260	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Isopropyl ether	<350		660	350	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Isopropylbenzene	**800**		660	99	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Methyl tert-butyl ether	<250		660	250	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Methylene Chloride	<130		660	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
m&p-Xylene	**55000**		1300	370	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Naphthalene	**740**	**^c**	660	220	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
n-Butylbenzene	**1000**		660	190	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
N-Propylbenzene	**2100**		660	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10

Client Sample ID: OUTSIDE-11

Date Collected: 01/24/23 08:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-1

Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**22000**		660	86	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
sec-Butylbenzene	**350**	**J**	660	240	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Tetrachloroethene	<89		660	89	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Toluene	**710**		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
trans-1,2-Dichloroethene	<160		660	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
trans-1,3-Dichloropropene	<65		660	65	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Trichloroethene	**710**		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Trichlorofluoromethane	<310		660	310	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Vinyl chloride	<220		660	220	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Xylenes, Total	**77000**		1300	370	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
cis-1,3-Dichloropropene	<160		660	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
Styrene	<160		660	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10
tert-Butylbenzene	<180		660	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*02/07/23 09:15*	*02/08/23 17:49*	*10*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/07/23 09:15*	*02/08/23 17:49*	*10*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/07/23 09:15*	*02/08/23 17:49*	*10*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*02/07/23 09:15*	*02/08/23 17:49*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<53		270	53	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1221	<53		270	53	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1232	<53		270	53	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1242	**160**	**J**	270	53	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1248	<53		270	53	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1254	<130		270	130	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1
PCB-1260	<130		270	130	ug/Kg	☼	02/08/23 08:35	02/08/23 23:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*02/08/23 08:35*	*02/08/23 23:52*	*1*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*02/08/23 08:35*	*02/08/23 23:52*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Arsenic	**3.7**		2.4	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Barium	**205**	**^**	0.60	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Cadmium	**0.22**		0.24	0.036	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Chromium	**17.2**		0.60	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Lead	**20.7**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**40.8**		22.5	5.2	ug/Kg	☼	02/08/23 12:52	02/08/23 16:56	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-2 EDGE
Date Collected: 01/25/23 09:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-2
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1,2-Trichloroethane	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2,3-Trichlorobenzene	<23	^c	50	23	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2,4-Trichlorobenzene	<19	^c	50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,3-Dichloropropane	<9.1		50	9.1	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
2,2-Dichloropropane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Benzene	<9.5		50	9.5	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Bromobenzene	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Bromoform	<25		50	25	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Bromomethane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Carbon tetrachloride	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Bromochloromethane	<18		50	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Dibromochloromethane	<24		50	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Chloroethane	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Chloroform	<34		50	34	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Chloromethane	<12	^c	50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Dibromomethane	<16		50	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Bromodichloromethane	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Ethylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
1,2-Dibromoethane	<8.7		50	8.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Hexachlorobutadiene	<20	^c	50	20	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Isopropyl ether	<26		50	26	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Isopropylbenzene	<7.5		50	7.5	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Methylene Chloride	<9.9		50	9.9	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
m&p-Xylene	<28		100	28	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Naphthalene	<17	^c	50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
n-Butylbenzene	<15		50	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
N-Propylbenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1

Client Sample ID: OUTSIDE-2 EDGE

Date Collected: 01/25/23 09:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-2

Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.5		50	6.5	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
sec-Butylbenzene	<18		50	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Toluene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Trichloroethene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Trichlorofluoromethane	<23		50	23	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Vinyl chloride	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Xylenes, Total	<28		100	28	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
Styrene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*02/07/23 09:15*	*02/08/23 18:12*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 148*	*02/07/23 09:15*	*02/08/23 18:12*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/07/23 09:15*	*02/08/23 18:12*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*02/07/23 09:15*	*02/08/23 18:12*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<46		230	46	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1221	<46		230	46	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1232	<46		230	46	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1242	<46		230	46	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1248	<46		230	46	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1254	<110		230	110	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1
PCB-1260	<110		230	110	ug/Kg	☼	02/08/23 08:35	02/08/23 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*02/08/23 08:35*	*02/08/23 23:39*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*02/08/23 08:35*	*02/08/23 23:39*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.22		0.67	0.22	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Arsenic	**3.1**		2.2	0.44	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Barium	**51.9**	**^**	0.56	0.12	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Cadmium	**0.048**	**J**	0.22	0.033	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Chromium	**14.7**		0.56	0.22	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Lead	**10.6**		1.1	0.27	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	02/08/23 13:37	02/10/23 00:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.7**	**J**	21.7	5.0	ug/Kg	☼	02/08/23 12:52	02/08/23 16:57	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-3 EDGE
Date Collected: 01/25/23 09:45
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-3
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		48	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1,1-Trichloroethane	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1,2,2-Tetrachloroethane	<7.7		48	7.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1,2-Trichloroethane	<10		48	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1-Dichloroethane	<15		48	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1-Dichloroethene	<16		48	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,1-Dichloropropene	<12		48	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2,3-Trichlorobenzene	<22	^c	48	22	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2,3-Trichloropropane	<11		48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2,4-Trichlorobenzene	<18	^c	48	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2,4-Trimethylbenzene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2-Dibromo-3-Chloropropane	<24		48	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2-Dichlorobenzene	<12		48	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2-Dichloroethane	<19		48	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2-Dichloropropane	<7.7		48	7.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,3,5-Trimethylbenzene	<14		48	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,3-Dichlorobenzene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,3-Dichloropropane	<8.7		48	8.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,4-Dichlorobenzene	<6.7		48	6.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
2,2-Dichloropropane	<11		48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
2-Chlorotoluene	<18		48	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
4-Chlorotoluene	<9.7		48	9.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
p-Isopropyltoluene	<16		48	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Benzene	<9.0		48	9.0	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Bromobenzene	<10		48	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Bromoform	<24		48	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Bromomethane	<10		48	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Carbon tetrachloride	<12		48	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Chlorobenzene	<6.3		48	6.3	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Bromochloromethane	<17		48	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Dibromochloromethane	<23		48	23	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Chloroethane	<9.9		48	9.9	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Chloroform	<33		48	33	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Chloromethane	<11	^c	48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
cis-1,2-Dichloroethene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Dibromomethane	<15		48	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Bromodichloromethane	<9.5		48	9.5	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Dichlorodifluoromethane	<21		48	21	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Ethylbenzene	<14		48	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
1,2-Dibromoethane	<8.3		48	8.3	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Hexachlorobutadiene	<19	^c	48	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Isopropyl ether	<25		48	25	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Isopropylbenzene	<7.1		48	7.1	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Methyl tert-butyl ether	<18		48	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Methylene Chloride	<9.4		48	9.4	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
m&p-Xylene	<26		95	26	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Naphthalene	<16	^c	48	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
n-Butylbenzene	<14		48	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
N-Propylbenzene	<12		48	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1

Client Sample ID: OUTSIDE-3 EDGE

Date Collected: 01/25/23 09:45
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-3

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.2		48	6.2	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
sec-Butylbenzene	<18		48	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Tetrachloroethene	<6.4		48	6.4	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Toluene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
trans-1,2-Dichloroethene	<11		48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
trans-1,3-Dichloropropene	<4.7		48	4.7	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Trichloroethene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Trichlorofluoromethane	<22		48	22	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Vinyl chloride	<16		48	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Xylenes, Total	<26		95	26	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
cis-1,3-Dichloropropene	<11		48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
Styrene	<11		48	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1
tert-Butylbenzene	<13		48	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/07/23 09:15*	*02/08/23 18:36*	*1*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*	*02/07/23 09:15*	*02/08/23 18:36*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*02/07/23 09:15*	*02/08/23 18:36*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*02/07/23 09:15*	*02/08/23 18:36*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1221	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1232	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1242	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1248	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1254	<110		240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1
PCB-1260	<110		240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*02/08/23 08:35*	*02/09/23 00:05*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*02/08/23 08:35*	*02/09/23 00:05*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.22		0.67	0.22	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Arsenic	**3.0**		2.2	0.45	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Barium	**43.4**	**F1 ^**	0.56	0.12	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Cadmium	**0.21**	**J**	0.22	0.034	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Chromium	**11.4**		0.56	0.22	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Lead	**7.6**		1.1	0.27	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	02/08/23 13:37	02/10/23 00:35	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.0**	**J**	22.0	5.0	ug/Kg	☼	02/08/23 12:52	02/08/23 16:58	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-4 EDGE
Date Collected: 01/25/23 10:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-4
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1,1-Trichloroethane	<17		63	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1,2,2-Tetrachloroethane	<10		63	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1,2-Trichloroethane	<13		63	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1-Dichloroethane	<19		63	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1-Dichloroethene	<22		63	22	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,1-Dichloropropene	<16		63	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2,3-Trichlorobenzene	<29	^c	63	29	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2,3-Trichloropropane	<14		63	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2,4-Trichlorobenzene	<24	^c	63	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2,4-Trimethylbenzene	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2-Dibromo-3-Chloropropane	<31		63	31	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2-Dichlorobenzene	<16		63	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2-Dichloroethane	<26		63	26	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2-Dichloropropane	<10		63	10	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,3,5-Trimethylbenzene	<19		63	19	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,3-Dichlorobenzene	<17		63	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,3-Dichloropropane	<11		63	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,4-Dichlorobenzene	<8.8		63	8.8	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
2,2-Dichloropropane	<14		63	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
2-Chlorotoluene	<24		63	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
4-Chlorotoluene	<13		63	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
p-Isopropyltoluene	<21		63	21	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Benzene	<12		63	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Bromobenzene	<14		63	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Bromoform	<31		63	31	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Bromomethane	<14		63	14	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Carbon tetrachloride	<16		63	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Chlorobenzene	<8.3		63	8.3	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Bromochloromethane	<23		63	23	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Dibromochloromethane	<30		63	30	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Chloroethane	<13		63	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Chloroform	<43		63	43	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Chloromethane	<15	^c	63	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
cis-1,2-Dichloroethene	<17		63	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Dibromomethane	<20		63	20	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Bromodichloromethane	<13		63	13	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Dichlorodifluoromethane	<27		63	27	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Ethylbenzene	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
1,2-Dibromoethane	<11		63	11	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Hexachlorobutadiene	<25	^c	63	25	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Isopropyl ether	<33		63	33	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Isopropylbenzene	<9.4		63	9.4	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Methyl tert-butyl ether	<24		63	24	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Methylene Chloride	<12		63	12	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
m&p-Xylene	<35		130	35	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Naphthalene	<21	^c	63	21	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
n-Butylbenzene	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
N-Propylbenzene	<16		63	16	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1

Client Sample ID: OUTSIDE-4 EDGE

Date Collected: 01/25/23 10:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-4

Matrix: Solid
Percent Solids: 84.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<8.2		63	8.2	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
sec-Butylbenzene	<23		63	23	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Tetrachloroethene	<8.5		63	8.5	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Toluene	<17		63	17	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
trans-1,2-Dichloroethene	<15		63	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
trans-1,3-Dichloropropene	<6.2		63	6.2	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Trichloroethene	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Trichlorofluoromethane	<30		63	30	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Vinyl chloride	<21		63	21	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Xylenes, Total	<35		130	35	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
cis-1,3-Dichloropropene	<15		63	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
Styrene	<15		63	15	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1
tert-Butylbenzene	<18		63	18	ug/Kg	☼	02/07/23 09:15	02/08/23 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*02/07/23 09:15*	*02/08/23 18:59*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/07/23 09:15*	*02/08/23 18:59*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/07/23 09:15*	*02/08/23 18:59*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*02/07/23 09:15*	*02/08/23 18:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1221	<49		250	49	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1232	<49		250	49	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1242	<49		250	49	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1248	<49		250	49	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1254	<120		250	120	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1
PCB-1260	<120		250	120	ug/Kg	☼	02/08/23 08:35	02/09/23 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*02/08/23 08:35*	*02/09/23 00:19*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*02/08/23 08:35*	*02/09/23 00:19*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.69	0.23	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Arsenic	**3.3**		2.3	0.46	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Barium	**40.5**	**^**	0.58	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Cadmium	**0.11**	**J**	0.23	0.035	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Chromium	**7.8**		0.58	0.23	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Lead	**7.5**		1.2	0.28	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	02/08/23 13:37	02/10/23 00:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.8**	**J**	22.9	5.3	ug/Kg	☼	02/08/23 12:52	02/08/23 17:06	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-5 EDGE
Date Collected: 01/25/23 10:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-5
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		55	16	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1,1-Trichloroethane	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1,2,2-Tetrachloroethane	<8.9		55	8.9	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1,2-Trichloroethane	<12		55	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1-Dichloroethane	<17		55	17	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1-Dichloroethene	<19		55	19	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,1-Dichloropropene	<14		55	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2,3-Trichlorobenzene	<25	^c	55	25	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2,3-Trichloropropane	<12		55	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2,4-Trichlorobenzene	<21	^c	55	21	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2,4-Trimethylbenzene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2-Dibromo-3-Chloropropane	<27		55	27	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2-Dichlorobenzene	<14		55	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2-Dichloroethane	<22		55	22	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2-Dichloropropane	<8.9		55	8.9	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,3,5-Trimethylbenzene	<17		55	17	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,3-Dichlorobenzene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,3-Dichloropropane	<10		55	10	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,4-Dichlorobenzene	<7.7		55	7.7	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
2,2-Dichloropropane	<12		55	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
2-Chlorotoluene	<21		55	21	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
4-Chlorotoluene	<11		55	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
p-Isopropyltoluene	<18		55	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Benzene	<10		55	10	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Bromobenzene	<12		55	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Bromoform	<27		55	27	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Bromomethane	<12		55	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Carbon tetrachloride	<14		55	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Chlorobenzene	<7.2		55	7.2	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Bromochloromethane	<20		55	20	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Dibromochloromethane	<27		55	27	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Chloroethane	<11		55	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Chloroform	<38		55	38	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Chloromethane	<13	^c	55	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
cis-1,2-Dichloroethene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Dibromomethane	<18		55	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Bromodichloromethane	<11		55	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Dichlorodifluoromethane	<24		55	24	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Ethylbenzene	<16		55	16	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
1,2-Dibromoethane	<9.6		55	9.6	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Hexachlorobutadiene	<22	^c	55	22	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Isopropyl ether	<29		55	29	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Isopropylbenzene	<8.2		55	8.2	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Methyl tert-butyl ether	<21		55	21	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Methylene Chloride	<11		55	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
m&p-Xylene	<30		110	30	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Naphthalene	<18	^c	55	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
n-Butylbenzene	<16		55	16	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
N-Propylbenzene	<14		55	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1

Client Sample ID: OUTSIDE-5 EDGE

Date Collected: 01/25/23 10:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-5

Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.1		55	7.1	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
sec-Butylbenzene	<20		55	20	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Tetrachloroethene	<7.4		55	7.4	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Toluene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
trans-1,2-Dichloroethene	<13		55	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
trans-1,3-Dichloropropene	<5.4		55	5.4	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Trichloroethene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Trichlorofluoromethane	<26		55	26	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Vinyl chloride	<18		55	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Xylenes, Total	<30		110	30	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
cis-1,3-Dichloropropene	<13		55	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
Styrene	<13		55	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1
tert-Butylbenzene	<15		55	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*02/07/23 09:15*	*02/08/23 19:22*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 148*	*02/07/23 09:15*	*02/08/23 19:22*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*02/07/23 09:15*	*02/08/23 19:22*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*02/07/23 09:15*	*02/08/23 19:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1221	<43		220	43	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1232	<43		220	43	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1242	<43		220	43	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1248	<43		220	43	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1254	<100		220	100	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1
PCB-1260	<100		220	100	ug/Kg	☼	02/08/23 08:35	02/09/23 00:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*02/08/23 08:35*	*02/09/23 00:32*	*1*
DCB Decachlorobiphenyl	*87*		*65 - 174*	*02/08/23 08:35*	*02/09/23 00:32*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Arsenic	**3.2**		2.4	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Barium	**46.7**	**^**	0.60	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Cadmium	**0.091**	**J**	0.24	0.036	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Chromium	**9.2**		0.60	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Lead	**8.2**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.7**	**J**	21.8	5.0	ug/Kg	☼	02/08/23 12:52	02/08/23 17:08	1

Client Sample ID: OUTSIDE-6 EDGE

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-6

Matrix: Solid
Percent Solids: 81.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1,1-Trichloroethane	<14		52	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1,2,2-Tetrachloroethane	<8.5		52	8.5	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1,2-Trichloroethane	<11		52	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1-Dichloroethane	<16		52	16	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1-Dichloroethene	<18		52	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,1-Dichloropropene	<13		52	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2,3-Trichlorobenzene	<24	^c	52	24	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2,3-Trichloropropane	<12		52	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2,4-Trichlorobenzene	<20	^c	52	20	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2,4-Trimethylbenzene	**32**	**J**	52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2-Dibromo-3-Chloropropane	<26		52	26	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2-Dichlorobenzene	<13		52	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2-Dichloroethane	<21		52	21	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2-Dichloropropane	<8.5		52	8.5	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,3,5-Trimethylbenzene	<16		52	16	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,3-Dichlorobenzene	<14		52	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,3-Dichloropropane	<9.5		52	9.5	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,4-Dichlorobenzene	<7.3		52	7.3	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
2,2-Dichloropropane	<12		52	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
2-Chlorotoluene	<20		52	20	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
4-Chlorotoluene	<11		52	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
p-Isopropyltoluene	<18		52	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Benzene	<9.9		52	9.9	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Bromobenzene	<11		52	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Bromoform	<26		52	26	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Bromomethane	<12		52	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Carbon tetrachloride	<13		52	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Chlorobenzene	**55**		52	6.9	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Bromochloromethane	<19		52	19	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Dibromochloromethane	<25		52	25	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Chloroethane	<11		52	11	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Chloroform	<36		52	36	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Chloromethane	<12	^c	52	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
cis-1,2-Dichloroethene	<14		52	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Dibromomethane	<17		52	17	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Bromodichloromethane	<10		52	10	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Dichlorodifluoromethane	<23		52	23	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Ethylbenzene	<15		52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
1,2-Dibromoethane	<9.2		52	9.2	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Hexachlorobutadiene	<21	^c	52	21	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Isopropyl ether	<28		52	28	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Isopropylbenzene	**33**	**J**	52	7.9	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Methyl tert-butyl ether	<20		52	20	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Methylene Chloride	<10		52	10	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
m&p-Xylene	<29		100	29	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Naphthalene	<18	^c	52	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
n-Butylbenzene	**21**	**J**	52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
N-Propylbenzene	**47**	**J**	52	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1

Client Sample ID: OUTSIDE-6 EDGE

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-6

Matrix: Solid
Percent Solids: 81.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**19**	**J**	52	6.8	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
sec-Butylbenzene	<19		52	19	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Tetrachloroethene	<7.0		52	7.0	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Toluene	<14		52	14	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
trans-1,2-Dichloroethene	<12		52	12	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
trans-1,3-Dichloropropene	<5.1		52	5.1	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Trichloroethene	<15		52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Trichlorofluoromethane	<25		52	25	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Vinyl chloride	<18		52	18	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Xylenes, Total	<29		100	29	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
cis-1,3-Dichloropropene	<13		52	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
Styrene	<13		52	13	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1
tert-Butylbenzene	<15		52	15	ug/Kg	☼	02/07/23 09:15	02/08/23 19:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*02/07/23 09:15*	*02/08/23 19:46*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/07/23 09:15*	*02/08/23 19:46*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*02/07/23 09:15*	*02/08/23 19:46*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*02/07/23 09:15*	*02/08/23 19:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1221	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1232	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1242	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1248	<47		240	47	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1254	**110**	**J**	240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1
PCB-1260	<110		240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*02/08/23 08:35*	*02/09/23 00:45*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*02/08/23 08:35*	*02/09/23 00:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Arsenic	**4.7**		2.4	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Barium	**78.4**	**^**	0.60	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Cadmium	**0.23**	**J**	0.24	0.036	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Chromium	**21.0**		0.60	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Lead	**17.2**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 01:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24.3**	**J**	25.2	5.8	ug/Kg	☼	02/08/23 12:52	02/08/23 17:09	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-7 EDGE
Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-7
Matrix: Solid
Percent Solids: 85.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1,2-Trichloroethane	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2,3-Trichlorobenzene	<23	^c	50	23	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2,4-Trichlorobenzene	<19	^c	50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2-Dichloropropane	<8.0		50	8.0	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,3-Dichloropropane	<9.0		50	9.0	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
2,2-Dichloropropane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Benzene	<9.4		50	9.4	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Bromobenzene	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Bromoform	<25		50	25	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Bromomethane	<11		50	11	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Carbon tetrachloride	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Bromochloromethane	<18		50	18	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Dibromochloromethane	<24		50	24	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Chloroethane	<10		50	10	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Chloroform	<34		50	34	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Chloromethane	<12	^c	50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Dibromomethane	<16		50	16	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Bromodichloromethane	<9.9		50	9.9	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Ethylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
1,2-Dibromoethane	<8.7		50	8.7	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Hexachlorobutadiene	<20	^c	50	20	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Isopropyl ether	<26		50	26	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Isopropylbenzene	<7.4		50	7.4	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Methylene Chloride	<9.8		50	9.8	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
m&p-Xylene	<28		99	28	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Naphthalene	<17	^c	50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
n-Butylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
N-Propylbenzene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1

Client Sample ID: OUTSIDE-7 EDGE

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-7

Matrix: Solid
Percent Solids: 85.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.5		50	6.5	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
sec-Butylbenzene	<18		50	18	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Toluene	<13		50	13	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Trichloroethene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Trichlorofluoromethane	<23		50	23	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Vinyl chloride	<17		50	17	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Xylenes, Total	<28		99	28	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
Styrene	<12		50	12	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	02/07/23 09:15	02/08/23 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*02/07/23 09:15*	*02/08/23 20:09*	*1*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*	*02/07/23 09:15*	*02/08/23 20:09*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*02/07/23 09:15*	*02/08/23 20:09*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*02/07/23 09:15*	*02/08/23 20:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<55		280	55	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1221	<55		280	55	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1232	<55		280	55	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1242	<55		280	55	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1248	<55		280	55	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1254	<130		280	130	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1
PCB-1260	<130		280	130	ug/Kg	☼	02/08/23 08:35	02/09/23 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*02/08/23 08:35*	*02/09/23 00:58*	*1*
DCB Decachlorobiphenyl	*93*		*65 - 174*	*02/08/23 08:35*	*02/09/23 00:58*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Arsenic	**4.7**		2.4	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Barium	**85.7**	^	0.61	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Cadmium	**0.24**		0.24	0.036	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Chromium	**27.8**		0.61	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Lead	**13.9**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 01:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**66.1**		24.1	5.5	ug/Kg	☼	02/08/23 12:52	02/08/23 17:10	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-8 EDGE
Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-8
Matrix: Solid
Percent Solids: 82.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		55	16	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1,1-Trichloroethane	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1,2,2-Tetrachloroethane	<8.9		55	8.9	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1,2-Trichloroethane	<11		55	11	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1-Dichloroethane	<17		55	17	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1-Dichloroethene	<19		55	19	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,1-Dichloropropene	<14		55	14	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2,3-Trichlorobenzene	<25	^c	55	25	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2,3-Trichloropropane	<12		55	12	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2,4-Trichlorobenzene	<21	^c	55	21	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2,4-Trimethylbenzene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2-Dibromo-3-Chloropropane	<27		55	27	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2-Dichlorobenzene	<14		55	14	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2-Dichloroethane	<22		55	22	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2-Dichloropropane	<8.9		55	8.9	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,3,5-Trimethylbenzene	<17		55	17	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,3-Dichlorobenzene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,3-Dichloropropane	<10		55	10	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,4-Dichlorobenzene	<7.7		55	7.7	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
2,2-Dichloropropane	<12		55	12	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
2-Chlorotoluene	<21		55	21	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
4-Chlorotoluene	<11		55	11	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
p-Isopropyltoluene	<18		55	18	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Benzene	<10		55	10	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Bromobenzene	<12		55	12	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Bromoform	<27		55	27	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Bromomethane	<12		55	12	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Carbon tetrachloride	<14		55	14	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Chlorobenzene	<7.2		55	7.2	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Bromochloromethane	<20		55	20	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Dibromochloromethane	<26		55	26	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Chloroethane	<11		55	11	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Chloroform	<38		55	38	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Chloromethane	<13	^c	55	13	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
cis-1,2-Dichloroethene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Dibromomethane	<18		55	18	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Bromodichloromethane	<11		55	11	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Dichlorodifluoromethane	<24		55	24	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Ethylbenzene	<16		55	16	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
1,2-Dibromoethane	<9.6		55	9.6	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Hexachlorobutadiene	<22	^c	55	22	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Isopropyl ether	<29		55	29	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Isopropylbenzene	<8.2		55	8.2	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Methyl tert-butyl ether	<21		55	21	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Methylene Chloride	<11		55	11	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
m&p-Xylene	<30		110	30	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Naphthalene	<18	^c	55	18	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
n-Butylbenzene	<16		55	16	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
N-Propylbenzene	<14		55	14	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1

Client Sample ID: OUTSIDE-8 EDGE

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-8

Matrix: Solid
Percent Solids: 82.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.1		55	7.1	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
sec-Butylbenzene	<20		55	20	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Tetrachloroethene	<7.4		55	7.4	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Toluene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
trans-1,2-Dichloroethene	<13		55	13	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
trans-1,3-Dichloropropene	<5.4		55	5.4	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Trichloroethene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Trichlorofluoromethane	<26		55	26	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Vinyl chloride	<18		55	18	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Xylenes, Total	<30		110	30	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
cis-1,3-Dichloropropene	<13		55	13	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
Styrene	<13		55	13	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1
tert-Butylbenzene	<15		55	15	ug/Kg	☼	02/08/23 09:12	02/08/23 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*02/08/23 09:12*	*02/08/23 20:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/08/23 09:12*	*02/08/23 20:32*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/08/23 09:12*	*02/08/23 20:32*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*02/08/23 09:12*	*02/08/23 20:32*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<48		240	48	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1221	<48		240	48	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1232	<48		240	48	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1242	**190**	**J**	240	48	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1248	<48		240	48	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1254	<110		240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1
PCB-1260	<110		240	110	ug/Kg	☼	02/08/23 08:35	02/09/23 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*02/08/23 08:35*	*02/09/23 01:11*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*02/08/23 08:35*	*02/09/23 01:11*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.80**		0.73	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Arsenic	**4.9**		2.4	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Barium	**219**	**^**	0.61	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Cadmium	**0.63**		0.24	0.037	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Chromium	**68.4**		0.61	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Lead	**439**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 01:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**87.0**		22.2	5.1	ug/Kg	☼	02/08/23 12:52	02/08/23 17:12	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-205941-1	OUTSIDE-11	100	94	99	94
480-205941-2	OUTSIDE-2 EDGE	96	90	99	91
480-205941-3	OUTSIDE-3 EDGE	98	91	96	92
480-205941-4	OUTSIDE-4 EDGE	103	94	99	90
480-205941-5	OUTSIDE-5 EDGE	95	90	98	86
480-205941-6	OUTSIDE-6 EDGE	96	94	97	89
480-205941-7	OUTSIDE-7 EDGE	97	91	97	86
480-205941-8	OUTSIDE-8 EDGE	94	94	99	84
LCS 480-658065/2-A	Lab Control Sample	100	94	96	97
MB 480-658065/1-A	Method Blank	98	93	95	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-205941-1	OUTSIDE-11	106	98
480-205941-2	OUTSIDE-2 EDGE	101	88
480-205941-2 MS	OUTSIDE-2 EDGE	124	111
480-205941-2 MSD	OUTSIDE-2 EDGE	123	108
480-205941-3	OUTSIDE-3 EDGE	102	91
480-205941-4	OUTSIDE-4 EDGE	102	91
480-205941-5	OUTSIDE-5 EDGE	94	87
480-205941-6	OUTSIDE-6 EDGE	109	96
480-205941-7	OUTSIDE-7 EDGE	103	93
480-205941-8	OUTSIDE-8 EDGE	111	104
LCS 480-658160/2-A	Lab Control Sample	128	116
MB 480-658160/1-A	Method Blank	110	98

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-658065/1-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658065

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloroethane	<31		100	31	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloroethene	<35		100	35	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloropropene	<25		100	25	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichloroethane	<41		100	41	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichloropropane	<16		100	16	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3-Dichloropropane	<18		100	18	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
2,2-Dichloropropane	<23		100	23	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
2-Chlorotoluene	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
4-Chlorotoluene	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
p-Isopropyltoluene	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Benzene	<19		100	19	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromobenzene	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromoform	<50		100	50	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromomethane	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Carbon tetrachloride	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chlorobenzene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromochloromethane	<36		100	36	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dibromochloromethane	<48		100	48	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloroethane	<21		100	21	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloroform	<69		100	69	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloromethane	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dibromomethane	<33		100	33	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromodichloromethane	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Ethylbenzene	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dibromoethane	<18		100	18	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Hexachlorobutadiene	<40		100	40	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Isopropyl ether	<53		100	53	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Isopropylbenzene	<15		100	15	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Methylene Chloride	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
m&p-Xylene	<55		200	55	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Naphthalene	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
n-Butylbenzene	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-658065/1-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658065

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
o-Xylene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
sec-Butylbenzene	<37		100	37	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Tetrachloroethene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Toluene	<27		100	27	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Trichloroethene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Trichlorofluoromethane	<47		100	47	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Vinyl chloride	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Xylenes, Total	<55		200	55	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Styrene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
tert-Butylbenzene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*02/07/23 09:14*	*02/08/23 13:24*	*1*

Lab Sample ID: LCS 480-658065/2-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2360		ug/Kg		95	78 - 120
1,1,1-Trichloroethane	2500	2440		ug/Kg		98	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloroethane	2500	2640		ug/Kg		106	80 - 120
1,1-Dichloroethane	2500	2500		ug/Kg		100	78 - 121
1,1-Dichloroethene	2500	2360		ug/Kg		94	48 - 133
1,1-Dichloropropene	2500	2750		ug/Kg		110	75 - 121
1,2,3-Trichlorobenzene	2500	2240		ug/Kg		89	57 - 150
1,2,3-Trichloropropane	2500	2570		ug/Kg		103	75 - 120
1,2,4-Trichlorobenzene	2500	2270		ug/Kg		91	70 - 140
1,2,4-Trimethylbenzene	2500	2520		ug/Kg		101	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		86	56 - 122
1,2-Dichlorobenzene	2500	2510		ug/Kg		100	78 - 125
1,2-Dichloroethane	2500	2600		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2570		ug/Kg		103	80 - 120
1,3,5-Trimethylbenzene	2500	2570		ug/Kg		103	79 - 120
1,3-Dichlorobenzene	2500	2540		ug/Kg		102	80 - 120
1,3-Dichloropropane	2500	2590		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2650		ug/Kg		106	80 - 120
2,2-Dichloropropane	2500	2330		ug/Kg		93	58 - 142
2-Chlorotoluene	2500	2550		ug/Kg		102	72 - 122
4-Chlorotoluene	2500	2620		ug/Kg		105	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-658065/2-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2510		ug/Kg		100	80 - 120
Benzene	2500	2620		ug/Kg		105	77 - 125
Bromobenzene	2500	2570		ug/Kg		103	78 - 120
Bromoform	2500	2190		ug/Kg		88	48 - 125
Bromomethane	2500	1710		ug/Kg		68	39 - 149
Carbon tetrachloride	2500	2330		ug/Kg		93	54 - 135
Chlorobenzene	2500	2560		ug/Kg		102	76 - 126
Bromochloromethane	2500	2500		ug/Kg		100	79 - 120
Dibromochloromethane	2500	2320		ug/Kg		93	64 - 120
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2400		ug/Kg		96	78 - 120
Chloromethane	2500	1730		ug/Kg		69	61 - 124
cis-1,2-Dichloroethene	2500	2470		ug/Kg		99	79 - 124
Dibromomethane	2500	2560		ug/Kg		102	79 - 120
Bromodichloromethane	2500	2470		ug/Kg		99	71 - 121
Dichlorodifluoromethane	2500	1620		ug/Kg		65	10 - 150
Ethylbenzene	2500	2560		ug/Kg		103	78 - 124
1,2-Dibromoethane	2500	2650		ug/Kg		106	80 - 120
Hexachlorobutadiene	2500	2250		ug/Kg		90	61 - 149
Isopropylbenzene	2500	2640		ug/Kg		106	76 - 120
Methyl tert-butyl ether	2500	2390		ug/Kg		96	67 - 137
Methylene Chloride	2500	2360		ug/Kg		94	75 - 118
m&p-Xylene	2500	2520		ug/Kg		101	77 - 125
Naphthalene	2500	2290		ug/Kg		92	65 - 142
n-Butylbenzene	2500	2460		ug/Kg		98	80 - 120
N-Propylbenzene	2500	2660		ug/Kg		106	76 - 120
o-Xylene	2500	2480		ug/Kg		99	80 - 124
sec-Butylbenzene	2500	2530		ug/Kg		101	79 - 120
Tetrachloroethene	2500	2750		ug/Kg		110	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2440		ug/Kg		98	74 - 129
trans-1,3-Dichloropropene	2500	2530		ug/Kg		101	73 - 120
Trichloroethene	2500	2630		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	2190		ug/Kg		88	29 - 158
Vinyl chloride	2500	2050		ug/Kg		82	59 - 124
cis-1,3-Dichloropropene	2500	2600		ug/Kg		104	75 - 121
Styrene	2500	2590		ug/Kg		104	80 - 120
tert-Butylbenzene	2500	2670		ug/Kg		107	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*
Toluene-d8 (Surr)	*96*		*50 - 149*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-658160/1-A
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658160

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1221	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1232	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1242	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1248	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1254	<100		220	100	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1260	<100		220	100	ug/Kg		02/08/23 08:35	02/08/23 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*02/08/23 08:35*	*02/08/23 22:45*	*1*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*02/08/23 08:35*	*02/08/23 22:45*	*1*

Lab Sample ID: LCS 480-658160/2-A
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658160

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2280	3000		ug/Kg		131	51 - 185		
PCB-1260			2280	2540		ug/Kg		111	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*128*		*60 - 154*
DCB Decachlorobiphenyl	*116*		*65 - 174*

Lab Sample ID: 480-205941-2 MS
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: OUTSIDE-2 EDGE
Prep Type: Total/NA
Prep Batch: 658160

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<46		2360	2940		ug/Kg	☼	125	50 - 177		
PCB-1260	<110		2360	2620		ug/Kg	☼	111	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*124*		*60 - 154*
DCB Decachlorobiphenyl	*111*		*65 - 174*

Lab Sample ID: 480-205941-2 MSD
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: OUTSIDE-2 EDGE
Prep Type: Total/NA
Prep Batch: 658160

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<46		2260	2950		ug/Kg	☼	130	50 - 177	0	50
PCB-1260	<110		2260	2600		ug/Kg	☼	115	33 - 200	1	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*60 - 154*
DCB Decachlorobiphenyl	*108*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-658118/1-A
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658118

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.57	0.19	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Arsenic	<0.38		1.9	0.38	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Barium	<0.10	^	0.47	0.10	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Cadmium	<0.028		0.19	0.028	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Chromium	<0.19		0.47	0.19	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Lead	<0.23		0.95	0.23	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Selenium	0.404	J	3.8	0.38	mg/Kg		02/08/23 13:37	02/09/23 23:56	1

Lab Sample ID: LCSSRM 480-658118/2-A
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658118

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	66.52		mg/Kg		76.0	63.7 - 115.4
Arsenic	129	99.99		mg/Kg		77.5	60.9 - 113.2
Barium	169	141.1	^	mg/Kg		83.5	68.6 - 114.2
Cadmium	227	177.7		mg/Kg		78.3	64.8 - 110.1
Chromium	115	90.25		mg/Kg		78.5	62.4 - 115.7
Lead	74.8	75.44		mg/Kg		100.9	67.0 - 128.9
Selenium	246	190.2		mg/Kg		77.3	60.2 - 114.6

Lab Sample ID: 480-205941-3 MS
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: OUTSIDE-3 EDGE
Prep Type: Total/NA
Prep Batch: 658118

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	<0.22		11.3	10.79		mg/Kg	☼	96	75 - 125
Arsenic	3.0		45.2	47.66		mg/Kg	☼	99	75 - 125
Barium	43.4	F1 ^	45.2	115.6	^ F1	mg/Kg	☼	160	75 - 125
Cadmium	0.21	J	45.2	45.91		mg/Kg	☼	101	75 - 125
Chromium	11.4		45.2	57.52		mg/Kg	☼	102	75 - 125
Lead	7.6		45.2	54.10		mg/Kg	☼	103	75 - 125
Selenium	<0.45		45.2	44.56		mg/Kg	☼	99	75 - 125

Lab Sample ID: 480-205941-3 MSD
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: OUTSIDE-3 EDGE
Prep Type: Total/NA
Prep Batch: 658118

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	<0.22		10.9	10.50		mg/Kg	☼	96	75 - 125	3	20
Arsenic	3.0		43.7	45.61		mg/Kg	☼	97	75 - 125	4	20
Barium	43.4	F1 ^	43.7	116.0	^ F1	mg/Kg	☼	166	75 - 125	0	20
Cadmium	0.21	J	43.7	44.29		mg/Kg	☼	101	75 - 125	4	20
Chromium	11.4		43.7	57.47		mg/Kg	☼	105	75 - 125	0	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-205941-3 MSD — **Client Sample ID: OUTSIDE-3 EDGE**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 658433 — **Prep Batch: 658118**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	7.6		43.7	53.53		mg/Kg	☼	105	75 - 125	1	20
Selenium	<0.45		43.7	41.91		mg/Kg	☼	96	75 - 125	6	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-658221/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 658268 — **Prep Batch: 658221**

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.8		20.7	4.8	ug/Kg		02/08/23 12:52	02/08/23 16:49	1

Lab Sample ID: LCSSRM 480-658221/2-A ^10 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 658268 — **Prep Batch: 658221**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	14100		ug/Kg		68.1	38.3 - 110.1

Lab Sample ID: 480-205941-3 MS — **Client Sample ID: OUTSIDE-3 EDGE**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 658268 — **Prep Batch: 658221**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	9.0	J	385	394.1		ug/Kg	☼	100	80 - 120

Lab Sample ID: 480-205941-3 MSD — **Client Sample ID: OUTSIDE-3 EDGE**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 658268 — **Prep Batch: 658221**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	9.0	J	380	389.9		ug/Kg	☼	100	80 - 120	1	20

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

GC/MS VOA

Prep Batch: 658065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	5035A_H	
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	5035A_H	
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	5035A_H	
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	5035A_H	
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	5035A_H	
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	5035A_H	
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	5035A_H	
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	5035A_H	
MB 480-658065/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-658065/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 658179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	8260C	658065
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	8260C	658065
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	8260C	658065
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	8260C	658065
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	8260C	658065
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	8260C	658065
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	8260C	658065
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	8260C	658065
MB 480-658065/1-A	Method Blank	Total/NA	Solid	8260C	658065
LCS 480-658065/2-A	Lab Control Sample	Total/NA	Solid	8260C	658065

GC Semi VOA

Prep Batch: 658160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	3550C	
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	3550C	
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	3550C	
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	3550C	
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	3550C	
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	3550C	
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	3550C	
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	3550C	
MB 480-658160/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-658160/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-205941-2 MS	OUTSIDE-2 EDGE	Total/NA	Solid	3550C	
480-205941-2 MSD	OUTSIDE-2 EDGE	Total/NA	Solid	3550C	

Analysis Batch: 658275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	8082A	658160
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	8082A	658160
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	8082A	658160
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	8082A	658160
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	8082A	658160
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	8082A	658160
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	8082A	658160
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	8082A	658160

GC Semi VOA (Continued)

Analysis Batch: 658275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-658160/1-A	Method Blank	Total/NA	Solid	8082A	658160
LCS 480-658160/2-A	Lab Control Sample	Total/NA	Solid	8082A	658160
480-205941-2 MS	OUTSIDE-2 EDGE	Total/NA	Solid	8082A	658160
480-205941-2 MSD	OUTSIDE-2 EDGE	Total/NA	Solid	8082A	658160

Metals

Prep Batch: 658118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	3050B	
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	3050B	
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	3050B	
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	3050B	
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	3050B	
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	3050B	
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	3050B	
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	3050B	
MB 480-658118/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-658118/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-205941-3 MS	OUTSIDE-3 EDGE	Total/NA	Solid	3050B	
480-205941-3 MSD	OUTSIDE-3 EDGE	Total/NA	Solid	3050B	

Prep Batch: 658221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	7471B	
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	7471B	
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	7471B	
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	7471B	
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	7471B	
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	7471B	
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	7471B	
MB 480-658221/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-658221/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-205941-3 MS	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	
480-205941-3 MSD	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	

Analysis Batch: 658268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	7471B	658221
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	7471B	658221
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	658221
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	7471B	658221
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	7471B	658221
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	7471B	658221
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	7471B	658221
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	7471B	658221
MB 480-658221/1-A	Method Blank	Total/NA	Solid	7471B	658221
LCSSRM 480-658221/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	658221
480-205941-3 MS	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	658221
480-205941-3 MSD	OUTSIDE-3 EDGE	Total/NA	Solid	7471B	658221

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Metals

Analysis Batch: 658433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	6010C	658118
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	6010C	658118
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	6010C	658118
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	6010C	658118
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	6010C	658118
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	6010C	658118
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	6010C	658118
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	6010C	658118
MB 480-658118/1-A	Method Blank	Total/NA	Solid	6010C	658118
LCSSRM 480-658118/2-A	Lab Control Sample	Total/NA	Solid	6010C	658118
480-205941-3 MS	OUTSIDE-3 EDGE	Total/NA	Solid	6010C	658118
480-205941-3 MSD	OUTSIDE-3 EDGE	Total/NA	Solid	6010C	658118

General Chemistry

Analysis Batch: 657898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205941-1	OUTSIDE-11	Total/NA	Solid	Moisture	
480-205941-2	OUTSIDE-2 EDGE	Total/NA	Solid	Moisture	
480-205941-3	OUTSIDE-3 EDGE	Total/NA	Solid	Moisture	
480-205941-4	OUTSIDE-4 EDGE	Total/NA	Solid	Moisture	
480-205941-5	OUTSIDE-5 EDGE	Total/NA	Solid	Moisture	
480-205941-6	OUTSIDE-6 EDGE	Total/NA	Solid	Moisture	
480-205941-7	OUTSIDE-7 EDGE	Total/NA	Solid	Moisture	
480-205941-8	OUTSIDE-8 EDGE	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-11
Date Collected: 01/24/23 08:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:24

Client Sample ID: OUTSIDE-11
Date Collected: 01/24/23 08:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-1
Matrix: Solid
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		10	658179	ATG	EET BUF	02/08/23 17:49
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/08/23 23:52
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:15
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:56

Client Sample ID: OUTSIDE-2 EDGE
Date Collected: 01/25/23 09:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:24

Client Sample ID: OUTSIDE-2 EDGE
Date Collected: 01/25/23 09:00
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-2
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 18:12
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/08/23 23:39
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:19
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:57

Client Sample ID: OUTSIDE-3 EDGE
Date Collected: 01/25/23 09:45
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205941-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-3 EDGE

Lab Sample ID: 480-205941-3
Date Collected: 01/25/23 09:45
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 18:36
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 00:05
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:35
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:58

Client Sample ID: OUTSIDE-4 EDGE

Lab Sample ID: 480-205941-4
Date Collected: 01/25/23 10:00
Matrix: Solid
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Client Sample ID: OUTSIDE-4 EDGE

Lab Sample ID: 480-205941-4
Date Collected: 01/25/23 10:00
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 18:59
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 00:19
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:55
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 17:06

Client Sample ID: OUTSIDE-5 EDGE

Lab Sample ID: 480-205941-5
Date Collected: 01/25/23 10:00
Matrix: Solid
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Client Sample ID: OUTSIDE-5 EDGE

Lab Sample ID: 480-205941-5
Date Collected: 01/25/23 10:00
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 19:22
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 00:32

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-5 EDGE
Lab Sample ID: 480-205941-5
Date Collected: 01/25/23 10:00
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:59
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 17:08

Client Sample ID: OUTSIDE-6 EDGE
Lab Sample ID: 480-205941-6
Date Collected: 01/25/23 12:00
Matrix: Solid
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Client Sample ID: OUTSIDE-6 EDGE
Lab Sample ID: 480-205941-6
Date Collected: 01/25/23 12:00
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 19:46
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 00:45
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 01:03
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 17:09

Client Sample ID: OUTSIDE-7 EDGE
Lab Sample ID: 480-205941-7
Date Collected: 01/25/23 12:00
Matrix: Solid
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Client Sample ID: OUTSIDE-7 EDGE
Lab Sample ID: 480-205941-7
Date Collected: 01/25/23 12:00
Matrix: Solid
Date Received: 02/03/23 11:20
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 20:09
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 00:58
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 01:07
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 17:10

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Client Sample ID: OUTSIDE-8 EDGE

Lab Sample ID: 480-205941-8
Matrix: Solid

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	657898	KER	EET BUF	02/03/23 17:33

Client Sample ID: OUTSIDE-8 EDGE

Lab Sample ID: 480-205941-8
Matrix: Solid
Percent Solids: 82.4

Date Collected: 01/25/23 12:00
Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/08/23 09:12
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 20:32
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 01:11
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 01:22
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 17:12

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-205941-1
Project/Site: Orchard Ridge-Boundary Rd

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205941-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-205941-1	OUTSIDE-11	Solid	01/24/23 08:30	02/03/23 11:20
480-205941-2	OUTSIDE-2 EDGE	Solid	01/25/23 09:00	02/03/23 11:20
480-205941-3	OUTSIDE-3 EDGE	Solid	01/25/23 09:45	02/03/23 11:20
480-205941-4	OUTSIDE-4 EDGE	Solid	01/25/23 10:00	02/03/23 11:20
480-205941-5	OUTSIDE-5 EDGE	Solid	01/25/23 10:00	02/03/23 11:20
480-205941-6	OUTSIDE-6 EDGE	Solid	01/25/23 12:00	02/03/23 11:20
480-205941-7	OUTSIDE-7 EDGE	Solid	01/25/23 12:00	02/03/23 11:20
480-205941-8	OUTSIDE-8 EDGE	Solid	01/25/23 12:00	02/03/23 11:20

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-205941-1
Project/Site: Orchard Ridge-Boundary Rd

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: **WDNR R&R**

Eurofins Environment Testing America

Client Contact	Project Manager: Ryan Baeten	Site Contact: Eric Oelkers	Date:1/28/2023	COC No:
Waste Management	Email: rbaeten@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	___1___ of ___1___ COCs
W124 N 9355 Boundary Road	Tel/Fax: 920-362-8133			TALS Project #:
Menomonee Falls, WI 53051	**Analysis Turnaround Time**			Sampler:
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below ___10 days_____			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐ 1 week			
PO# Project 480259311	☐ 2 days			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocS	Sample Specific Notes:
Outside - ~~1 Edge~~ 11	1/24/23	8:30	G	S	3	N	N	X	X	
Outside - 2 Edge	1/25/23	9:00	G	S	3	N	N	X	X	
Outside - 3 Edge	1/25/23	9:45	G	S	3	N	N	X	X	
Outside - 4 Edge	1/25/23	10:00	G	S	3	N	N	X	X	
Outside - 5 Edge	1/25/23	10:00	G	S	3	N	N	X	X	
Outside - 6 Edge	1/25/23	12:00	G	S	3	N	N	X	X	
Outside - 7 Edge	1/25/23		G	S	3	N	N	X	X	
Outside - 8 Edge	1/25/23	12:00	G	S	3	N	N	X	X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____								1	1	

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for_____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by:	Company: SCS Engineers	Date/Time: 1/28/23 14:30	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-205941-1

Login Number: 205941
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	False	t cores put in freezer 2/3 @ 1430
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Baeten
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 2/15/2023 3:09:37 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Rd
Soil Sampling

JOB NUMBER

480-205931-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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2/15/2023 3:09:37 PM

Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-205931-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-205931-1

Comments
No additional comments.

Receipt
The samples were received on 2/3/2023 11:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: OUTSIDE 13 (480-205931-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis due to the nature of the sample matrix: OUTSIDE 12 (480-205931-1) and OUTSIDE 14 (480-205931-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-658179 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Naphthalene, Chloromethane, and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The following samples were analyzed using medium level soil analysis: OUTSIDE 12 (480-205931-1), OUTSIDE 13 (480-205931-2) and OUTSIDE 14 (480-205931-3). Elevated reporting limits (RLs) are provided.

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

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

Metals
Method 6010C: The low level continuing calibration verification (CCVL 480-658433/32) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples OUTSIDE 12 (480-205931-1), OUTSIDE 13 (480-205931-2), OUTSIDE 14 (480-205931-3), (LCSSRM 480-658118/2-A) and (MB 480-658118/1-A) was not performed.

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 12 — Lab Sample ID: 480-205931-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.6		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	56.2	^	0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.37		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.6		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	9.9		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.1	J	22.9	5.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE 13 — Lab Sample ID: 480-205931-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1300		450	130	ug/Kg	8	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	270	J	450	140	ug/Kg	8	☼	8260C	Total/NA
Ethylbenzene	5600		450	130	ug/Kg	8	☼	8260C	Total/NA
m&p-Xylene	36000		900	250	ug/Kg	8	☼	8260C	Total/NA
N-Propylbenzene	220	J	450	120	ug/Kg	8	☼	8260C	Total/NA
o-Xylene	17000		450	59	ug/Kg	8	☼	8260C	Total/NA
Xylenes, Total	53000		900	250	ug/Kg	8	☼	8260C	Total/NA
Arsenic	4.8		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	39.4	^	0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.50		0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.4		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	15.3		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.4	J	24.8	5.7	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: OUTSIDE 14 — Lab Sample ID: 480-205931-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	15	J	47	14	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.6		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	91.6	^	0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.068	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.5		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	11.2		1.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.2	J	23.7	5.4	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 12
Date Collected: 01/30/23 15:15
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-1
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1,1-Trichloroethane	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1,2,2-Tetrachloroethane	<9.3		57	9.3	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1,2-Trichloroethane	<12		57	12	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1-Dichloroethane	<18		57	18	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1-Dichloroethene	<20		57	20	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,1-Dichloropropene	<14		57	14	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2,3-Trichlorobenzene	<26	^c	57	26	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2,3-Trichloropropane	<13		57	13	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2,4-Trichlorobenzene	<22	^c	57	22	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2,4-Trimethylbenzene	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2-Dibromo-3-Chloropropane	<29		57	29	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2-Dichlorobenzene	<15		57	15	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2-Dichloroethane	<23		57	23	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2-Dichloropropane	<9.3		57	9.3	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,3,5-Trimethylbenzene	<17		57	17	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,3-Dichlorobenzene	<15		57	15	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,3-Dichloropropane	<10		57	10	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,4-Dichlorobenzene	<8.0		57	8.0	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
2,2-Dichloropropane	<13		57	13	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
2-Chlorotoluene	<22		57	22	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
4-Chlorotoluene	<12		57	12	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
p-Isopropyltoluene	<19		57	19	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Benzene	<11		57	11	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Bromobenzene	<13		57	13	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Bromoform	<29		57	29	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Bromomethane	<13		57	13	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Carbon tetrachloride	<15		57	15	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Chlorobenzene	<7.5		57	7.5	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Bromochloromethane	<21		57	21	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Dibromochloromethane	<28		57	28	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Chloroethane	<12		57	12	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Chloroform	<39		57	39	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Chloromethane	<14	^c	57	14	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
cis-1,2-Dichloroethene	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Dibromomethane	<19		57	19	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Bromodichloromethane	<11		57	11	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Dichlorodifluoromethane	<25		57	25	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Ethylbenzene	<17		57	17	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
1,2-Dibromoethane	<10		57	10	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Hexachlorobutadiene	<23	^c	57	23	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Isopropyl ether	<30		57	30	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Isopropylbenzene	<8.6		57	8.6	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Methyl tert-butyl ether	<22		57	22	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Methylene Chloride	<11		57	11	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
m&p-Xylene	<32		110	32	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Naphthalene	<19	^c	57	19	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
n-Butylbenzene	<17		57	17	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
N-Propylbenzene	<15		57	15	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1

Client Sample ID: OUTSIDE 12
Date Collected: 01/30/23 15:15
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-1
Matrix: Solid
Percent Solids: 84.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.4		57	7.4	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
sec-Butylbenzene	<21		57	21	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Tetrachloroethene	<7.7		57	7.7	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Toluene	<15		57	15	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
trans-1,2-Dichloroethene	<13		57	13	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
trans-1,3-Dichloropropene	<5.6		57	5.6	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Trichloroethene	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Trichlorofluoromethane	<27		57	27	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Vinyl chloride	<19		57	19	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Xylenes, Total	<32		110	32	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
cis-1,3-Dichloropropene	<14		57	14	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
Styrene	<14		57	14	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1
tert-Butylbenzene	<16		57	16	ug/Kg	☼	02/07/23 09:15	02/08/23 16:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*02/07/23 09:15*	*02/08/23 16:40*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/07/23 09:15*	*02/08/23 16:40*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/07/23 09:15*	*02/08/23 16:40*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*02/07/23 09:15*	*02/08/23 16:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<51		260	51	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1221	<51		260	51	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1232	<51		260	51	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1242	<51		260	51	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1248	<51		260	51	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1254	<120		260	120	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1
PCB-1260	<120		260	120	ug/Kg	☼	02/08/23 08:35	02/09/23 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*60 - 154*	*02/08/23 08:35*	*02/09/23 01:25*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*02/08/23 08:35*	*02/09/23 01:25*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Arsenic	**2.6**		2.4	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Barium	**56.2**	^	0.60	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Cadmium	**0.37**		0.24	0.036	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Chromium	**10.6**		0.60	0.24	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Lead	**9.9**		1.2	0.29	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/08/23 13:37	02/10/23 00:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.1**	**J**	22.9	5.3	ug/Kg	☼	02/08/23 12:52	02/08/23 16:52	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 13
Date Collected: 01/30/23 14:49
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<130		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1,1-Trichloroethane	<130		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1,2,2-Tetrachloroethane	<73		450	73	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1,2-Trichloroethane	<95		450	95	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1-Dichloroethane	<140		450	140	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1-Dichloroethene	<160		450	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,1-Dichloropropene	<110		450	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2,3-Trichlorobenzene	<210	^c	450	210	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2,3-Trichloropropane	<100		450	100	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2,4-Trichlorobenzene	<170	^c	450	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2,4-Trimethylbenzene	**1300**		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2-Dibromo-3-Chloropropane	<230		450	230	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2-Dichlorobenzene	<120		450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2-Dichloroethane	<180		450	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2-Dichloropropane	<73		450	73	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,3,5-Trimethylbenzene	**270**	**J**	450	140	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,3-Dichlorobenzene	<120		450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,3-Dichloropropane	<82		450	82	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,4-Dichlorobenzene	<63		450	63	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
2,2-Dichloropropane	<100		450	100	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
2-Chlorotoluene	<170		450	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
4-Chlorotoluene	<92		450	92	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
p-Isopropyltoluene	<150		450	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Benzene	<86		450	86	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Bromobenzene	<99		450	99	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Bromoform	<230		450	230	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Bromomethane	<99		450	99	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Carbon tetrachloride	<120		450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Chlorobenzene	<60		450	60	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Bromochloromethane	<160		450	160	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Dibromochloromethane	<220		450	220	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Chloroethane	<94		450	94	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Chloroform	<310		450	310	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Chloromethane	<110	^c	450	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
cis-1,2-Dichloroethene	<120		450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Dibromomethane	<150		450	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Bromodichloromethane	<90		450	90	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Dichlorodifluoromethane	<200		450	200	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Ethylbenzene	**5600**		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
1,2-Dibromoethane	<79		450	79	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Hexachlorobutadiene	<180	^c	450	180	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Isopropyl ether	<240		450	240	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Isopropylbenzene	<68		450	68	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Methyl tert-butyl ether	<170		450	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Methylene Chloride	<89		450	89	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
m&p-Xylene	**36000**		900	250	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Naphthalene	<150	^c	450	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
n-Butylbenzene	<130		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
N-Propylbenzene	**220**	**J**	450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8

Client Sample ID: OUTSIDE 13
Date Collected: 01/30/23 14:49
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**17000**		450	59	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
sec-Butylbenzene	<170		450	170	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Tetrachloroethene	<61		450	61	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Toluene	<120		450	120	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
trans-1,2-Dichloroethene	<110		450	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
trans-1,3-Dichloropropene	<44		450	44	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Trichloroethene	<130		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Trichlorofluoromethane	<210		450	210	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Vinyl chloride	<150		450	150	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Xylenes, Total	**53000**		900	250	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
cis-1,3-Dichloropropene	<110		450	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
Styrene	<110		450	110	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8
tert-Butylbenzene	<130		450	130	ug/Kg	☼	02/07/23 09:15	02/08/23 17:03	8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*02/07/23 09:15*	*02/08/23 17:03*	*8*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*	*02/07/23 09:15*	*02/08/23 17:03*	*8*
Toluene-d8 (Surr)	*95*		*50 - 149*	*02/07/23 09:15*	*02/08/23 17:03*	*8*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*02/07/23 09:15*	*02/08/23 17:03*	*8*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<54		280	54	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1221	<54		280	54	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1232	<54		280	54	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1242	<54		280	54	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1248	<54		280	54	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1254	<130		280	130	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1
PCB-1260	<130		280	130	ug/Kg	☼	02/08/23 08:35	02/09/23 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*02/08/23 08:35*	*02/09/23 01:38*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*02/08/23 08:35*	*02/09/23 01:38*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.74	0.25	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Arsenic	**4.8**		2.5	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Barium	**39.4**	^	0.62	0.14	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Cadmium	**0.50**		0.25	0.037	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Chromium	**11.4**		0.62	0.25	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Lead	**15.3**		1.2	0.30	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	02/08/23 13:37	02/10/23 00:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.4**	**J**	24.8	5.7	ug/Kg	☼	02/08/23 12:52	02/08/23 16:53	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 14
Date Collected: 01/30/23 15:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-3
Matrix: Solid
Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1,1-Trichloroethane	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1,2,2-Tetrachloroethane	<7.6		47	7.6	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1,2-Trichloroethane	<9.9		47	9.9	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1-Dichloroethane	<15		47	15	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1-Dichloroethene	<16		47	16	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,1-Dichloropropene	<12		47	12	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2,3-Trichlorobenzene	<22	^c	47	22	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2,3-Trichloropropane	<10		47	10	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2,4-Trichlorobenzene	<18	^c	47	18	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2,4-Trimethylbenzene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2-Dibromo-3-Chloropropane	<23		47	23	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2-Dichlorobenzene	<12		47	12	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2-Dichloroethane	<19		47	19	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2-Dichloropropane	<7.6		47	7.6	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,3,5-Trimethylbenzene	<14		47	14	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,3-Dichlorobenzene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,3-Dichloropropane	<8.5		47	8.5	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,4-Dichlorobenzene	<6.6		47	6.6	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
2,2-Dichloropropane	<11		47	11	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
2-Chlorotoluene	<18		47	18	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
4-Chlorotoluene	<9.5		47	9.5	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
p-Isopropyltoluene	<16		47	16	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Benzene	<8.9		47	8.9	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Bromobenzene	<10		47	10	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Bromoform	<23		47	23	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Bromomethane	<10		47	10	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Carbon tetrachloride	<12		47	12	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Chlorobenzene	<6.2		47	6.2	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Bromochloromethane	<17		47	17	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Dibromochloromethane	<23		47	23	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Chloroethane	<9.8		47	9.8	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Chloroform	<32		47	32	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Chloromethane	<11	^c	47	11	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
cis-1,2-Dichloroethene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Dibromomethane	<15		47	15	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Bromodichloromethane	<9.4		47	9.4	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Dichlorodifluoromethane	<20		47	20	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Ethylbenzene	**15**	**J**	47	14	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
1,2-Dibromoethane	<8.2		47	8.2	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Hexachlorobutadiene	<19	^c	47	19	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Isopropyl ether	<25		47	25	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Isopropylbenzene	<7.0		47	7.0	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Methyl tert-butyl ether	<18		47	18	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Methylene Chloride	<9.3		47	9.3	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
m&p-Xylene	<26		94	26	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Naphthalene	<16	^c	47	16	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
n-Butylbenzene	<14		47	14	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
N-Propylbenzene	<12		47	12	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1

Client Sample ID: OUTSIDE 14
Date Collected: 01/30/23 15:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-3
Matrix: Solid
Percent Solids: 87.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.1		47	6.1	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
sec-Butylbenzene	<17		47	17	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Tetrachloroethene	<6.3		47	6.3	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Toluene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
trans-1,2-Dichloroethene	<11		47	11	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
trans-1,3-Dichloropropene	<4.6		47	4.6	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Trichloroethene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Trichlorofluoromethane	<22		47	22	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Vinyl chloride	<16		47	16	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Xylenes, Total	<26		94	26	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
cis-1,3-Dichloropropene	<11		47	11	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
Styrene	<11		47	11	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1
tert-Butylbenzene	<13		47	13	ug/Kg	☼	02/07/23 09:15	02/08/23 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*02/07/23 09:15*	*02/08/23 17:26*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 148*	*02/07/23 09:15*	*02/08/23 17:26*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*02/07/23 09:15*	*02/08/23 17:26*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*02/07/23 09:15*	*02/08/23 17:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1221	<41		210	41	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1232	<41		210	41	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1242	<41		210	41	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1248	<41		210	41	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1254	<97		210	97	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1
PCB-1260	<97		210	97	ug/Kg	☼	02/08/23 08:35	02/09/23 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*02/08/23 08:35*	*02/09/23 02:18*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*02/08/23 08:35*	*02/09/23 02:18*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.69	0.23	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Arsenic	**3.6**		2.3	0.46	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Barium	**91.6**	^	0.57	0.13	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Cadmium	**0.068**	J	0.23	0.034	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Chromium	**17.5**		0.57	0.23	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Lead	**11.2**		1.1	0.28	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	02/08/23 13:37	02/10/23 00:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.2**	J	23.7	5.4	ug/Kg	☼	02/08/23 12:52	02/08/23 16:55	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-205931-1	OUTSIDE 12	100	94	99	91
480-205931-2	OUTSIDE 13	94	91	95	90
480-205931-3	OUTSIDE 14	99	90	96	89
LCS 480-658065/2-A	Lab Control Sample	100	94	96	97
MB 480-658065/1-A	Method Blank	98	93	95	88

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-205931-1	OUTSIDE 12	100	96
480-205931-2	OUTSIDE 13	96	92
480-205931-3	OUTSIDE 14	113	113
LCS 480-658160/2-A	Lab Control Sample	128	116
MB 480-658160/1-A	Method Blank	110	98

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-658065/1-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658065

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloroethane	<31		100	31	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloroethene	<35		100	35	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,1-Dichloropropene	<25		100	25	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichloroethane	<41		100	41	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dichloropropane	<16		100	16	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,3-Dichloropropane	<18		100	18	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
2,2-Dichloropropane	<23		100	23	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
2-Chlorotoluene	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
4-Chlorotoluene	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
p-Isopropyltoluene	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Benzene	<19		100	19	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromobenzene	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromoform	<50		100	50	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromomethane	<22		100	22	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Carbon tetrachloride	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chlorobenzene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromochloromethane	<36		100	36	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dibromochloromethane	<48		100	48	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloroethane	<21		100	21	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloroform	<69		100	69	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Chloromethane	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dibromomethane	<33		100	33	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Bromodichloromethane	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Ethylbenzene	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
1,2-Dibromoethane	<18		100	18	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Hexachlorobutadiene	<40		100	40	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Isopropyl ether	<53		100	53	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Isopropylbenzene	<15		100	15	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Methylene Chloride	<20		100	20	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
m&p-Xylene	<55		200	55	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Naphthalene	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
n-Butylbenzene	<29		100	29	ug/Kg		02/07/23 09:14	02/08/23 13:24	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-658065/1-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658065

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
o-Xylene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
sec-Butylbenzene	<37		100	37	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Tetrachloroethene	<13		100	13	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Toluene	<27		100	27	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Trichloroethene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Trichlorofluoromethane	<47		100	47	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Vinyl chloride	<34		100	34	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Xylenes, Total	<55		200	55	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
Styrene	<24		100	24	ug/Kg		02/07/23 09:14	02/08/23 13:24	1
tert-Butylbenzene	<28		100	28	ug/Kg		02/07/23 09:14	02/08/23 13:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*02/07/23 09:14*	*02/08/23 13:24*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*02/07/23 09:14*	*02/08/23 13:24*	*1*

Lab Sample ID: LCS 480-658065/2-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2360		ug/Kg		95	78 - 120
1,1,1-Trichloroethane	2500	2440		ug/Kg		98	68 - 130
1,1,2,2-Tetrachloroethane	2500	2430		ug/Kg		97	73 - 120
1,1,2-Trichloroethane	2500	2640		ug/Kg		106	80 - 120
1,1-Dichloroethane	2500	2500		ug/Kg		100	78 - 121
1,1-Dichloroethene	2500	2360		ug/Kg		94	48 - 133
1,1-Dichloropropene	2500	2750		ug/Kg		110	75 - 121
1,2,3-Trichlorobenzene	2500	2240		ug/Kg		89	57 - 150
1,2,3-Trichloropropane	2500	2570		ug/Kg		103	75 - 120
1,2,4-Trichlorobenzene	2500	2270		ug/Kg		91	70 - 140
1,2,4-Trimethylbenzene	2500	2520		ug/Kg		101	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		86	56 - 122
1,2-Dichlorobenzene	2500	2510		ug/Kg		100	78 - 125
1,2-Dichloroethane	2500	2600		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2570		ug/Kg		103	80 - 120
1,3,5-Trimethylbenzene	2500	2570		ug/Kg		103	79 - 120
1,3-Dichlorobenzene	2500	2540		ug/Kg		102	80 - 120
1,3-Dichloropropane	2500	2590		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2650		ug/Kg		106	80 - 120
2,2-Dichloropropane	2500	2330		ug/Kg		93	58 - 142
2-Chlorotoluene	2500	2550		ug/Kg		102	72 - 122
4-Chlorotoluene	2500	2620		ug/Kg		105	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-658065/2-A
Matrix: Solid
Analysis Batch: 658179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658065

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2510		ug/Kg		100	80 - 120
Benzene	2500	2620		ug/Kg		105	77 - 125
Bromobenzene	2500	2570		ug/Kg		103	78 - 120
Bromoform	2500	2190		ug/Kg		88	48 - 125
Bromomethane	2500	1710		ug/Kg		68	39 - 149
Carbon tetrachloride	2500	2330		ug/Kg		93	54 - 135
Chlorobenzene	2500	2560		ug/Kg		102	76 - 126
Bromochloromethane	2500	2500		ug/Kg		100	79 - 120
Dibromochloromethane	2500	2320		ug/Kg		93	64 - 120
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2400		ug/Kg		96	78 - 120
Chloromethane	2500	1730		ug/Kg		69	61 - 124
cis-1,2-Dichloroethene	2500	2470		ug/Kg		99	79 - 124
Dibromomethane	2500	2560		ug/Kg		102	79 - 120
Bromodichloromethane	2500	2470		ug/Kg		99	71 - 121
Dichlorodifluoromethane	2500	1620		ug/Kg		65	10 - 150
Ethylbenzene	2500	2560		ug/Kg		103	78 - 124
1,2-Dibromoethane	2500	2650		ug/Kg		106	80 - 120
Hexachlorobutadiene	2500	2250		ug/Kg		90	61 - 149
Isopropylbenzene	2500	2640		ug/Kg		106	76 - 120
Methyl tert-butyl ether	2500	2390		ug/Kg		96	67 - 137
Methylene Chloride	2500	2360		ug/Kg		94	75 - 118
m&p-Xylene	2500	2520		ug/Kg		101	77 - 125
Naphthalene	2500	2290		ug/Kg		92	65 - 142
n-Butylbenzene	2500	2460		ug/Kg		98	80 - 120
N-Propylbenzene	2500	2660		ug/Kg		106	76 - 120
o-Xylene	2500	2480		ug/Kg		99	80 - 124
sec-Butylbenzene	2500	2530		ug/Kg		101	79 - 120
Tetrachloroethene	2500	2750		ug/Kg		110	73 - 133
Toluene	2500	2630		ug/Kg		105	75 - 124
trans-1,2-Dichloroethene	2500	2440		ug/Kg		98	74 - 129
trans-1,3-Dichloropropene	2500	2530		ug/Kg		101	73 - 120
Trichloroethene	2500	2630		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	2190		ug/Kg		88	29 - 158
Vinyl chloride	2500	2050		ug/Kg		82	59 - 124
cis-1,3-Dichloropropene	2500	2600		ug/Kg		104	75 - 121
Styrene	2500	2590		ug/Kg		104	80 - 120
tert-Butylbenzene	2500	2670		ug/Kg		107	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*
Toluene-d8 (Surr)	*96*		*50 - 149*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-658160/1-A
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658160

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1221	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1232	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1242	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1248	<43		220	43	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1254	<100		220	100	ug/Kg		02/08/23 08:35	02/08/23 22:45	1
PCB-1260	<100		220	100	ug/Kg		02/08/23 08:35	02/08/23 22:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*02/08/23 08:35*	*02/08/23 22:45*	*1*
DCB Decachlorobiphenyl	*98*		*65 - 174*	*02/08/23 08:35*	*02/08/23 22:45*	*1*

Lab Sample ID: LCS 480-658160/2-A
Matrix: Solid
Analysis Batch: 658275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658160

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2280	3000		ug/Kg		131	51 - 185		
PCB-1260			2280	2540		ug/Kg		111	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*128*		*60 - 154*
DCB Decachlorobiphenyl	*116*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-658118/1-A
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658118

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.57	0.19	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Arsenic	<0.38		1.9	0.38	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Barium	<0.10	^	0.47	0.10	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Cadmium	<0.028		0.19	0.028	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Chromium	<0.19		0.47	0.19	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Lead	<0.23		0.95	0.23	mg/Kg		02/08/23 13:37	02/09/23 23:56	1
Selenium	0.404	J	3.8	0.38	mg/Kg		02/08/23 13:37	02/09/23 23:56	1

Lab Sample ID: LCSSRM 480-658118/2-A
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658118

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	66.52		mg/Kg		76.0	63.7 - 115.4		
Arsenic			129	99.99		mg/Kg		77.5	60.9 - 113.2		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-658118/2-A
Matrix: Solid
Analysis Batch: 658433

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658118

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	169	141.1	^	mg/Kg		83.5	68.6 - 114.2
Cadmium	227	177.7		mg/Kg		78.3	64.8 - 110.1
Chromium	115	90.25		mg/Kg		78.5	62.4 - 115.7
Lead	74.8	75.44		mg/Kg		100.9	67.0 - 128.9
Selenium	246	190.2		mg/Kg		77.3	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-658221/1-A
Matrix: Solid
Analysis Batch: 658268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 658221

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.8		20.7	4.8	ug/Kg		02/08/23 12:52	02/08/23 16:49	1

Lab Sample ID: LCSSRM 480-658221/2-A ^10
Matrix: Solid
Analysis Batch: 658268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 658221

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	14100		ug/Kg		68.1	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

GC/MS VOA

Prep Batch: 658065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	5035A_H	
480-205931-2	OUTSIDE 13	Total/NA	Solid	5035A_H	
480-205931-3	OUTSIDE 14	Total/NA	Solid	5035A_H	
MB 480-658065/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-658065/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 658179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	8260C	658065
480-205931-2	OUTSIDE 13	Total/NA	Solid	8260C	658065
480-205931-3	OUTSIDE 14	Total/NA	Solid	8260C	658065
MB 480-658065/1-A	Method Blank	Total/NA	Solid	8260C	658065
LCS 480-658065/2-A	Lab Control Sample	Total/NA	Solid	8260C	658065

GC Semi VOA

Prep Batch: 658160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	3550C	
480-205931-2	OUTSIDE 13	Total/NA	Solid	3550C	
480-205931-3	OUTSIDE 14	Total/NA	Solid	3550C	
MB 480-658160/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-658160/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 658275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	8082A	658160
480-205931-2	OUTSIDE 13	Total/NA	Solid	8082A	658160
480-205931-3	OUTSIDE 14	Total/NA	Solid	8082A	658160
MB 480-658160/1-A	Method Blank	Total/NA	Solid	8082A	658160
LCS 480-658160/2-A	Lab Control Sample	Total/NA	Solid	8082A	658160

Metals

Prep Batch: 658118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	3050B	
480-205931-2	OUTSIDE 13	Total/NA	Solid	3050B	
480-205931-3	OUTSIDE 14	Total/NA	Solid	3050B	
MB 480-658118/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-658118/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 658221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	7471B	
480-205931-2	OUTSIDE 13	Total/NA	Solid	7471B	
480-205931-3	OUTSIDE 14	Total/NA	Solid	7471B	
MB 480-658221/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-658221/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Metals

Analysis Batch: 658268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	7471B	658221
480-205931-2	OUTSIDE 13	Total/NA	Solid	7471B	658221
480-205931-3	OUTSIDE 14	Total/NA	Solid	7471B	658221
MB 480-658221/1-A	Method Blank	Total/NA	Solid	7471B	658221
LCSSRM 480-658221/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	658221

Analysis Batch: 658433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	6010C	658118
480-205931-2	OUTSIDE 13	Total/NA	Solid	6010C	658118
480-205931-3	OUTSIDE 14	Total/NA	Solid	6010C	658118
MB 480-658118/1-A	Method Blank	Total/NA	Solid	6010C	658118
LCSSRM 480-658118/2-A	Lab Control Sample	Total/NA	Solid	6010C	658118

General Chemistry

Analysis Batch: 658385

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-205931-1	OUTSIDE 12	Total/NA	Solid	Moisture	
480-205931-2	OUTSIDE 13	Total/NA	Solid	Moisture	
480-205931-3	OUTSIDE 14	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 12

Lab Sample ID: 480-205931-1

Date Collected: 01/30/23 15:15

Matrix: Solid

Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	658385	KER	EET BUF	02/09/23 15:53

Client Sample ID: OUTSIDE 12

Lab Sample ID: 480-205931-1

Date Collected: 01/30/23 15:15

Matrix: Solid

Date Received: 02/03/23 11:20

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 16:40
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 01:25
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:03
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:52

Client Sample ID: OUTSIDE 13

Lab Sample ID: 480-205931-2

Date Collected: 01/30/23 14:49

Matrix: Solid

Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	658385	KER	EET BUF	02/09/23 15:53

Client Sample ID: OUTSIDE 13

Lab Sample ID: 480-205931-2

Date Collected: 01/30/23 14:49

Matrix: Solid

Date Received: 02/03/23 11:20

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		8	658179	ATG	EET BUF	02/08/23 17:03
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 01:38
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:07
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:53

Client Sample ID: OUTSIDE 14

Lab Sample ID: 480-205931-3

Date Collected: 01/30/23 15:30

Matrix: Solid

Date Received: 02/03/23 11:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	658385	KER	EET BUF	02/09/23 15:53

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Client Sample ID: OUTSIDE 14

Date Collected: 01/30/23 15:30
Date Received: 02/03/23 11:20

Lab Sample ID: 480-205931-3

Matrix: Solid
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			658065	ATG	EET BUF	02/07/23 09:15
Total/NA	Analysis	8260C		1	658179	ATG	EET BUF	02/08/23 17:26
Total/NA	Prep	3550C			658160	VXF	EET BUF	02/08/23 08:35
Total/NA	Analysis	8082A		1	658275	W1T	EET BUF	02/09/23 02:18
Total/NA	Prep	3050B			658118	NVK	EET BUF	02/08/23 13:37
Total/NA	Analysis	6010C		1	658433	LMH	EET BUF	02/10/23 00:11
Total/NA	Prep	7471B			658221	VAK	EET BUF	02/08/23 12:52
Total/NA	Analysis	7471B		1	658268	NVK	EET BUF	02/08/23 16:55

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Rd

Job ID: 480-205931-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-205931-1	OUTSIDE 12	Solid	01/30/23 15:15	02/03/23 11:20
480-205931-2	OUTSIDE 13	Solid	01/30/23 14:49	02/03/23 11:20
480-205931-3	OUTSIDE 14	Solid	01/30/23 15:30	02/03/23 11:20

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-205931-1
Project/Site: Orchard Ridge-Boundary Rd

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: Colin Gloede	Lab PM: Proulx, Katelyn M	Carrier Tracking No(s):	COC No: 480-180714-38489.1
Client Contact: Ryan Baeten	Phone:	E-Mail: Katelyn.Proulx@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
City: Menomonee Falls	TAT Requested (days): 8			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			Other:
Email: rbaeten@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site: Wisconsin	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	Hold for 29 days	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N			
Outside 12	1/30	1515		Solid	X	X	X	X	1		Brown/gray clayey
Outside 13	1/30	1449		Solid	X	X	X	X	1		Brown clayey soil
Outside 14	1/30	1530		Solid	X	X	X	X	1		gray silty/clayey
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

480-205931 Chain of Custody

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date: 2-1-23	Time: 2:00	Method of Shipment: FedEx			
Relinquished by:	Date/Time: 2/1/2023 17:30	Company	Received by:	Date/Time: 2/3/23 1120	Company TA	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.8# ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-205931-1

Login Number: 205931

List Source: Eurofins Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORE FROZEN @ 1210 2/3/23
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Ryan Baeten
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 3/10/2023 12:36:11 PM Revision 1

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-206289-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Revision 1

Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-206289-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206289-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 2/23/2023. The report (revision 1) is being revised due to the following: Per client request, TCLP lead analysis was added to sample P5M2-9 (30') (480-206289-3).

Receipt
The samples were received on 2/17/2023 9:20 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.7º C and 3.8º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: P5M1-8 (29') (480-206289-7). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis: P5M2-9 (0-4') (480-206289-2), P5M2-9 (30') (480-206289-3), P5M1-9 (0-4') (480-206289-4), P5M1-8 (0-4') (480-206289-6), WC20 (2-4') (480-206289-9), WC20 (33') (480-206289-10), WC21 (2') (480-206289-11), WC21 (7') (480-206289-12), WC21 (10') (480-206289-13) and WC21 (37') (480-206289-14). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis: P5M2-8 (4-6') (480-206289-1), P5M1-9 (25') (480-206289-5) and P5M1-8 (31') (480-206289-8). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-659405 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene, Chloromethane, and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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

Metals
Method 3010A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 480-660575 and 480-660684.

Method 6010C: The TCLP leachate blank for batch 480-660575 and 480-660684 contained TCLP Lead above the reporting limit (RL). This target analyte concentration was less than the TCLP Regulatory Limit. The associated samples P5M2-9 (30') (480-206289-3) were also below the TCLP Regulatory Limit for this analyte; therefore, re-extraction was not performed.

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M2-8 (4-6') — Lab Sample ID: 480-206289-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	260		26	7.1	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	120		26	7.7	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	11	J	26	7.4	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	12	J	26	3.8	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	34	J	51	14	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	29		26	8.6	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	15	J	26	6.7	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	13	J	26	3.3	ug/Kg	1	☼	8260C	Total/NA
Toluene	72		26	6.9	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	47	J	51	14	ug/Kg	1	☼	8260C	Total/NA
PCB-1254	200	J	210	99	ug/Kg	1	☼	8082A	Total/NA
Silver	0.24	J	0.63	0.21	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.9		2.1	0.42	mg/Kg	1	☼	6010C	Total/NA
Barium	39.8		0.52	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.099	J	0.21	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.5		0.52	0.21	mg/Kg	1	☼	6010C	Total/NA
Lead	25.3		1.0	0.25	mg/Kg	1	☼	6010C	Total/NA
Mercury	39.3	B	21.8	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-9 (0-4') — Lab Sample ID: 480-206289-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
m&p-Xylene	35	J	62	17	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	11	J	31	4.0	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	46	J	62	17	ug/Kg	1	☼	8260C	Total/NA
Silver	0.29	J	0.65	0.22	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.3		2.2	0.43	mg/Kg	1	☼	6010C	Total/NA
Barium	136		0.54	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.039	J	0.22	0.032	mg/Kg	1	☼	6010C	Total/NA
Chromium	15.4		0.54	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	8.5		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	15.0	J B	22.5	5.2	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-9 (30') — Lab Sample ID: 480-206289-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	1.0		0.72	0.24	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.6		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	95.0		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Chromium	31.9		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	111		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Lead	0.020	B	0.020	0.0030	mg/L	1		6010C	TCLP
Mercury	19.1	J B	25.1	5.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-9 (0-4') — Lab Sample ID: 480-206289-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.36	J	0.65	0.22	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.0		2.2	0.43	mg/Kg	1	☼	6010C	Total/NA
Barium	67.9		0.54	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22		0.22	0.032	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.5		0.54	0.22	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: P5M1-9 (0-4') (Continued) — Lab Sample ID: 480-206289-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Lead	9.4		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	16.5	J B	22.5	5.2	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-9 (25') — Lab Sample ID: 480-206289-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	510		49	14	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	60		49	7.3	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	380		98	27	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	25	J	49	6.4	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	410		98	27	ug/Kg	1	☼	8260C	Total/NA
Silver	0.45	J	0.68	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.3		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	75.8		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.089	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.9		0.56	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	11.8		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	15.4	J B	21.5	4.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-8 (0-4') — Lab Sample ID: 480-206289-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.40	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.8		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	73.0		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.066	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.5		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	9.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	17.5	J B	23.5	5.4	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-8 (29') — Lab Sample ID: 480-206289-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	40	J	93	26	ug/Kg	2	☼	8260C	Total/NA
Ethylbenzene	3200		93	27	ug/Kg	2	☼	8260C	Total/NA
Isopropylbenzene	20	J	93	14	ug/Kg	2	☼	8260C	Total/NA
m&p-Xylene	7100		190	51	ug/Kg	2	☼	8260C	Total/NA
o-Xylene	20	J	93	12	ug/Kg	2	☼	8260C	Total/NA
Xylenes, Total	7100		190	51	ug/Kg	2	☼	8260C	Total/NA
Arsenic	2.2		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	35.0		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.8		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	13.5		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.4	J B	22.1	5.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-8 (31') — Lab Sample ID: 480-206289-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	47		46	13	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	110		92	25	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	110		92	25	ug/Kg	1	☼	8260C	Total/NA
Silver	0.66	J	0.71	0.24	mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-8 (31') (Continued) — Lab Sample ID: 480-206289-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	113		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Chromium	30.6		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	14.0		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	21.8	J B	24.1	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: WC20 (33') — Lab Sample ID: 480-206289-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.29	J	0.67	0.22	mg/Kg	1	☼	6010C	Total/NA
Arsenic	2.8		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	79.9		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Chromium	15.2		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	9.4		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	13.6	J B	23.1	5.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: WC21 (7') — Lab Sample ID: 480-206289-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.38	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.9		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	61.9		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.19	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	15.0		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	11.2		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	17.2	J B	22.1	5.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: WC21 (10') — Lab Sample ID: 480-206289-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.47	J	0.73	0.24	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.7		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	81.7		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.33		0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.7		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	10.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	23.5	J B	23.7	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: WC21 (37') — Lab Sample ID: 480-206289-14

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.9		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	59.1		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.039	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.1		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	7.9		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	11.2	J B	21.6	5.0	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M2-8 (4-6')
Date Collected: 02/14/23 09:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-1
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<7.3		26	7.3	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1,1-Trichloroethane	<7.1		26	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1,2,2-Tetrachloroethane	<4.2		26	4.2	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1,2-Trichloroethane	<5.4		26	5.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1-Dichloroethane	<7.9		26	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1-Dichloroethene	<8.8		26	8.8	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,1-Dichloropropene	<6.4		26	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2,3-Trichlorobenzene	<12	^c	26	12	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2,3-Trichloropropane	<5.7		26	5.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2,4-Trichlorobenzene	<9.7		26	9.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2,4-Trimethylbenzene	**260**		26	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2-Dibromo-3-Chloropropane	<13		26	13	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2-Dichlorobenzene	<6.5		26	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2-Dichloroethane	<10		26	10	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2-Dichloropropane	<4.1		26	4.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,3,5-Trimethylbenzene	**120**		26	7.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,3-Dichlorobenzene	<6.8		26	6.8	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,3-Dichloropropane	<4.7		26	4.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,4-Dichlorobenzene	<3.6		26	3.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
2,2-Dichloropropane	<5.8		26	5.8	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
2-Chlorotoluene	<9.8		26	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
4-Chlorotoluene	<5.2		26	5.2	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
p-Isopropyltoluene	<8.6		26	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Benzene	<4.9		26	4.9	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Bromobenzene	<5.6		26	5.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Bromoform	<13		26	13	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Bromomethane	<5.6		26	5.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Carbon tetrachloride	<6.5		26	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Chlorobenzene	<3.4		26	3.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Bromochloromethane	<9.2		26	9.2	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Dibromochloromethane	<12		26	12	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Chloroethane	<5.3		26	5.3	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Chloroform	<18		26	18	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Chloromethane	<6.1	^c	26	6.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
cis-1,2-Dichloroethene	<7.1		26	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Dibromomethane	<8.3		26	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Bromodichloromethane	<5.1		26	5.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Dichlorodifluoromethane	<11		26	11	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Ethylbenzene	**11**	**J**	26	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
1,2-Dibromoethane	<4.5		26	4.5	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Hexachlorobutadiene	<10	^c	26	10	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Isopropyl ether	<14		26	14	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Isopropylbenzene	**12**	**J**	26	3.8	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Methyl tert-butyl ether	<9.7		26	9.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Methylene Chloride	<5.1		26	5.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
m&p-Xylene	**34**	**J**	51	14	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Naphthalene	**29**		26	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
n-Butylbenzene	<7.5		26	7.5	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
N-Propylbenzene	**15**	**J**	26	6.7	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1

Client Sample ID: P5M2-8 (4-6')

Date Collected: 02/14/23 09:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-1

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**13**	**J**	26	3.3	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
sec-Butylbenzene	<9.4		26	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Tetrachloroethene	<3.4		26	3.4	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Toluene	**72**		26	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
trans-1,2-Dichloroethene	<6.0		26	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
trans-1,3-Dichloropropene	<2.5		26	2.5	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Trichloroethene	<7.1		26	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Trichlorofluoromethane	<12		26	12	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Vinyl chloride	<8.6		26	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Xylenes, Total	**47**	**J**	51	14	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
cis-1,3-Dichloropropene	<6.1		26	6.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
Styrene	<6.2		26	6.2	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1
tert-Butylbenzene	<7.1		26	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*02/21/23 10:23*	*02/21/23 15:59*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*02/21/23 10:23*	*02/21/23 15:59*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/21/23 10:23*	*02/21/23 15:59*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*02/21/23 10:23*	*02/21/23 15:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1221	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1232	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1242	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1248	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1254	**200**	**J**	210	99	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1
PCB-1260	<99		210	99	ug/Kg	☼	02/20/23 06:01	02/21/23 17:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*02/20/23 06:01*	*02/21/23 17:17*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*02/20/23 06:01*	*02/21/23 17:17*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.24**	**J**	0.63	0.21	mg/Kg	☼	02/20/23 11:35	02/21/23 18:52	1
Arsenic	**2.9**		2.1	0.42	mg/Kg	☼	02/20/23 11:35	02/22/23 14:36	1
Barium	**39.8**		0.52	0.11	mg/Kg	☼	02/20/23 11:35	02/21/23 18:52	1
Cadmium	**0.099**	**J**	0.21	0.031	mg/Kg	☼	02/20/23 11:35	02/21/23 18:52	1
Chromium	**12.5**		0.52	0.21	mg/Kg	☼	02/20/23 11:35	02/21/23 18:52	1
Lead	**25.3**		1.0	0.25	mg/Kg	☼	02/20/23 11:35	02/21/23 18:52	1
Selenium	<0.42		4.2	0.42	mg/Kg	☼	02/20/23 11:35	02/22/23 14:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39.3**	**B**	21.8	5.0	ug/Kg	☼	02/21/23 09:46	02/22/23 09:59	1

Client Sample ID: P5M2-9 (0-4')

Date Collected: 02/14/23 12:37
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-2

Matrix: Solid
Percent Solids: 89.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<8.8		31	8.8	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1,1-Trichloroethane	<8.6		31	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1,2,2-Tetrachloroethane	<5.0		31	5.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1,2-Trichloroethane	<6.5		31	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1-Dichloroethane	<9.5		31	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1-Dichloroethene	<11		31	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,1-Dichloropropene	<7.7		31	7.7	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2,3-Trichlorobenzene	<14	^c	31	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2,3-Trichloropropane	<6.9		31	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2,4-Trichlorobenzene	<12		31	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2,4-Trimethylbenzene	<8.6		31	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2-Dibromo-3-Chloropropane	<15		31	15	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2-Dichlorobenzene	<7.9		31	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2-Dichloroethane	<13		31	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2-Dichloropropane	<5.0		31	5.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,3,5-Trimethylbenzene	<9.3		31	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,3-Dichlorobenzene	<8.2		31	8.2	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,3-Dichloropropane	<5.6		31	5.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,4-Dichlorobenzene	<4.3		31	4.3	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
2,2-Dichloropropane	<7.0		31	7.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
2-Chlorotoluene	<12		31	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
4-Chlorotoluene	<6.3		31	6.3	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
p-Isopropyltoluene	<10		31	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Benzene	<5.9		31	5.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Bromobenzene	<6.8		31	6.8	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Bromoform	<15		31	15	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Bromomethane	<6.8		31	6.8	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Carbon tetrachloride	<7.9		31	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Chlorobenzene	<4.1		31	4.1	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Bromochloromethane	<11		31	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Dibromochloromethane	<15		31	15	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Chloroethane	<6.4		31	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Chloroform	<21		31	21	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Chloromethane	<7.4	^c	31	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
cis-1,2-Dichloroethene	<8.5		31	8.5	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Dibromomethane	<10		31	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Bromodichloromethane	<6.2		31	6.2	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Dichlorodifluoromethane	<13		31	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Ethylbenzene	<9.0		31	9.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
1,2-Dibromoethane	<5.4		31	5.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Hexachlorobutadiene	<12	^c	31	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Isopropyl ether	<16		31	16	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Isopropylbenzene	<4.6		31	4.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Methyl tert-butyl ether	<12		31	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Methylene Chloride	<6.1		31	6.1	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
m&p-Xylene	**35**	**J**	62	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Naphthalene	<10		31	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
n-Butylbenzene	<9.0		31	9.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
N-Propylbenzene	<8.1		31	8.1	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1

Client Sample ID: P5M2-9 (0-4')

Date Collected: 02/14/23 12:37
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-2

Matrix: Solid
Percent Solids: 89.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**11**	**J**	31	4.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
sec-Butylbenzene	<11		31	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Tetrachloroethene	<4.2		31	4.2	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Toluene	<8.3		31	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
trans-1,2-Dichloroethene	<7.3		31	7.3	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
trans-1,3-Dichloropropene	<3.0		31	3.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Trichloroethene	<8.6		31	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Trichlorofluoromethane	<14		31	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Vinyl chloride	<10		31	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Xylenes, Total	**46**	**J**	62	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
cis-1,3-Dichloropropene	<7.4		31	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
Styrene	<7.4		31	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1
tert-Butylbenzene	<8.6		31	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*02/21/23 10:23*	*02/21/23 16:22*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 16:22*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*02/21/23 10:23*	*02/21/23 16:22*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*02/21/23 10:23*	*02/21/23 16:22*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		200	39	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1221	<39		200	39	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1232	<39		200	39	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1242	<39		200	39	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1248	<39		200	39	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1254	<94		200	94	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1
PCB-1260	<94		200	94	ug/Kg	☼	02/20/23 06:01	02/21/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*02/20/23 06:01*	*02/21/23 17:31*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*02/20/23 06:01*	*02/21/23 17:31*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.29**	**J**	0.65	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 18:56	1
Arsenic	**2.3**		2.2	0.43	mg/Kg	☼	02/20/23 11:35	02/22/23 14:40	1
Barium	**136**		0.54	0.12	mg/Kg	☼	02/20/23 11:35	02/21/23 18:56	1
Cadmium	**0.039**	**J**	0.22	0.032	mg/Kg	☼	02/20/23 11:35	02/21/23 18:56	1
Chromium	**15.4**		0.54	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 18:56	1
Lead	**8.5**		1.1	0.26	mg/Kg	☼	02/20/23 11:35	02/21/23 18:56	1
Selenium	<0.43		4.3	0.43	mg/Kg	☼	02/20/23 11:35	02/22/23 14:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15.0**	**J B**	22.5	5.2	ug/Kg	☼	02/21/23 09:46	02/22/23 10:00	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M2-9 (30')
Date Collected: 02/14/23 14:00
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-3
Matrix: Solid
Percent Solids: 80.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1,1-Trichloroethane	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1,2,2-Tetrachloroethane	<8.0		49	8.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1,2-Trichloroethane	<10		49	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1-Dichloroethane	<15		49	15	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1-Dichloroethene	<17		49	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,1-Dichloropropene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2,3-Trichlorobenzene	<23	^c	49	23	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2,3-Trichloropropane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2,4-Trichlorobenzene	<19		49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2,4-Trimethylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2-Dibromo-3-Chloropropane	<25		49	25	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2-Dichlorobenzene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2-Dichloroethane	<20		49	20	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2-Dichloropropane	<8.0		49	8.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,3,5-Trimethylbenzene	<15		49	15	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,3-Dichlorobenzene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,3-Dichloropropane	<9.0		49	9.0	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,4-Dichlorobenzene	<6.9		49	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
2,2-Dichloropropane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
2-Chlorotoluene	<19		49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
4-Chlorotoluene	<10		49	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
p-Isopropyltoluene	<17		49	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Benzene	<9.4		49	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Bromobenzene	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Bromoform	<25		49	25	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Bromomethane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Carbon tetrachloride	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Chlorobenzene	<6.5		49	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Bromochloromethane	<18		49	18	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Dibromochloromethane	<24		49	24	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Chloroethane	<10		49	10	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Chloroform	<34		49	34	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Chloromethane	<12	^c	49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
cis-1,2-Dichloroethene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Dibromomethane	<16		49	16	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Bromodichloromethane	<9.9		49	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Dichlorodifluoromethane	<22		49	22	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Ethylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
1,2-Dibromoethane	<8.6		49	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Hexachlorobutadiene	<20	^c	49	20	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Isopropyl ether	<26		49	26	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Isopropylbenzene	<7.4		49	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Methyl tert-butyl ether	<19		49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Methylene Chloride	<9.8		49	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
m&p-Xylene	<27		99	27	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Naphthalene	<17		49	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
n-Butylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
N-Propylbenzene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1

Client Sample ID: P5M2-9 (30')

Date Collected: 02/14/23 14:00
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-3

Matrix: Solid
Percent Solids: 80.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.4		49	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
sec-Butylbenzene	<18		49	18	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Tetrachloroethene	<6.6		49	6.6	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Toluene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
trans-1,2-Dichloroethene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
trans-1,3-Dichloropropene	<4.8		49	4.8	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Trichloroethene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Trichlorofluoromethane	<23		49	23	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Vinyl chloride	<17		49	17	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Xylenes, Total	<27		99	27	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
cis-1,3-Dichloropropene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
Styrene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1
tert-Butylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*02/21/23 10:23*	*02/21/23 16:45*	*1*
4-Bromofluorobenzene (Surr)	*89*		*49 - 148*	*02/21/23 10:23*	*02/21/23 16:45*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*02/21/23 10:23*	*02/21/23 16:45*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*02/21/23 10:23*	*02/21/23 16:45*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<53		270	53	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1221	<53		270	53	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1232	<53		270	53	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1242	<53		270	53	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1248	<53		270	53	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1254	<130		270	130	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1
PCB-1260	<130		270	130	ug/Kg	☼	02/20/23 06:01	02/21/23 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*60 - 154*	*02/20/23 06:01*	*02/21/23 17:44*	*1*
DCB Decachlorobiphenyl	*89*		*65 - 174*	*02/20/23 06:01*	*02/21/23 17:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**1.0**		0.72	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:00	1
Arsenic	**3.6**		2.4	0.48	mg/Kg	☼	02/20/23 11:35	02/22/23 14:55	1
Barium	**95.0**		0.60	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:00	1
Cadmium	<0.036		0.24	0.036	mg/Kg	☼	02/20/23 11:35	02/21/23 19:00	1
Chromium	**31.9**		0.60	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:00	1
Lead	**111**		1.2	0.29	mg/Kg	☼	02/20/23 11:35	02/21/23 19:00	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/20/23 11:35	02/22/23 14:55	1

Method: SW846 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	**0.020**	**B**	0.020	0.0030	mg/L		03/07/23 10:23	03/08/23 13:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19.1**	**J B**	25.1	5.8	ug/Kg	☼	02/21/23 09:46	02/22/23 10:02	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M1-9 (0-4')
Date Collected: 02/14/23 14:50
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-4
Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1,2-Trichloroethane	<11		50	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2,3-Trichlorobenzene	<23	^c	50	23	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2,4-Trichlorobenzene	<19		50	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,3-Dichloropropane	<9.1		50	9.1	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
2,2-Dichloropropane	<11		50	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Benzene	<9.5		50	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Bromobenzene	<11		50	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Bromoform	<25		50	25	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Bromomethane	<11		50	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Carbon tetrachloride	<13		50	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Bromochloromethane	<18		50	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Dibromochloromethane	<24		50	24	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Chloroethane	<10		50	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Chloroform	<34		50	34	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Chloromethane	<12	^c	50	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Dibromomethane	<16		50	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Bromodichloromethane	<10		50	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Ethylbenzene	<15		50	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
1,2-Dibromoethane	<8.8		50	8.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Hexachlorobutadiene	<20	^c	50	20	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Isopropyl ether	<27		50	27	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Isopropylbenzene	<7.5		50	7.5	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Methylene Chloride	<9.9		50	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
m&p-Xylene	<28		100	28	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Naphthalene	<17		50	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
n-Butylbenzene	<15		50	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
N-Propylbenzene	<13		50	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1

Client Sample ID: P5M1-9 (0-4')

Date Collected: 02/14/23 14:50
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-4

Matrix: Solid
Percent Solids: 89.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.5		50	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
sec-Butylbenzene	<18		50	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Toluene	<13		50	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Trichloroethene	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Trichlorofluoromethane	<23		50	23	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Vinyl chloride	<17		50	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Xylenes, Total	<28		100	28	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
Styrene	<12		50	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/21/23 10:23*	*02/21/23 17:09*	*1*
4-Bromofluorobenzene (Surr)	*90*		*49 - 148*	*02/21/23 10:23*	*02/21/23 17:09*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*02/21/23 10:23*	*02/21/23 17:09*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 140*	*02/21/23 10:23*	*02/21/23 17:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1221	<47		240	47	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1232	<47		240	47	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1242	<47		240	47	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1248	<47		240	47	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1254	<110		240	110	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1
PCB-1260	<110		240	110	ug/Kg	☼	02/20/23 06:01	02/21/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*02/20/23 06:01*	*02/21/23 17:57*	*1*
DCB Decachlorobiphenyl	*99*		*65 - 174*	*02/20/23 06:01*	*02/21/23 17:57*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.36**	**J**	0.65	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:04	1
Arsenic	**3.0**		2.2	0.43	mg/Kg	☼	02/20/23 11:35	02/22/23 14:59	1
Barium	**67.9**		0.54	0.12	mg/Kg	☼	02/20/23 11:35	02/21/23 19:04	1
Cadmium	**0.22**		0.22	0.032	mg/Kg	☼	02/20/23 11:35	02/21/23 19:04	1
Chromium	**16.5**		0.54	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:04	1
Lead	**9.4**		1.1	0.26	mg/Kg	☼	02/20/23 11:35	02/21/23 19:04	1
Selenium	<0.43		4.3	0.43	mg/Kg	☼	02/20/23 11:35	02/22/23 14:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16.5**	**J B**	22.5	5.2	ug/Kg	☼	02/21/23 09:46	02/22/23 10:03	1

Client Sample ID: P5M1-9 (25')
Date Collected: 02/14/23 15:40
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-5
Matrix: Solid
Percent Solids: 85.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1,1-Trichloroethane	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1,2,2-Tetrachloroethane	<7.9		49	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1,2-Trichloroethane	<10		49	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1-Dichloroethane	<15		49	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1-Dichloroethene	<17		49	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,1-Dichloropropene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2,3-Trichlorobenzene	<23	^c	49	23	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2,3-Trichloropropane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2,4-Trichlorobenzene	<19		49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2,4-Trimethylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2-Dibromo-3-Chloropropane	<24		49	24	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2-Dichlorobenzene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2-Dichloroethane	<20		49	20	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2-Dichloropropane	<7.9		49	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,3,5-Trimethylbenzene	<15		49	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,3-Dichlorobenzene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,3-Dichloropropane	<8.9		49	8.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,4-Dichlorobenzene	<6.8		49	6.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
2,2-Dichloropropane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
2-Chlorotoluene	<19		49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
4-Chlorotoluene	<9.9		49	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
p-Isopropyltoluene	<16		49	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Benzene	<9.3		49	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Bromobenzene	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Bromoform	<24		49	24	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Bromomethane	<11		49	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Carbon tetrachloride	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Chlorobenzene	<6.5		49	6.5	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Bromochloromethane	<18		49	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Dibromochloromethane	<24		49	24	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Chloroethane	<10		49	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Chloroform	<34		49	34	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Chloromethane	<12	^c	49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
cis-1,2-Dichloroethene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Dibromomethane	<16		49	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Bromodichloromethane	<9.8		49	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Dichlorodifluoromethane	<21		49	21	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Ethylbenzene	**510**		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
1,2-Dibromoethane	<8.6		49	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Hexachlorobutadiene	<19	^c	49	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Isopropyl ether	<26		49	26	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Isopropylbenzene	**60**		49	7.3	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Methyl tert-butyl ether	<18		49	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Methylene Chloride	<9.7		49	9.7	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
m&p-Xylene	**380**		98	27	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Naphthalene	<16		49	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
n-Butylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
N-Propylbenzene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1

Client Sample ID: P5M1-9 (25')

Date Collected: 02/14/23 15:40
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-5

Matrix: Solid
Percent Solids: 85.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**25**	**J**	49	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
sec-Butylbenzene	<18		49	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Tetrachloroethene	<6.6		49	6.6	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Toluene	<13		49	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
trans-1,2-Dichloroethene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
trans-1,3-Dichloropropene	<4.8		49	4.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Trichloroethene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Trichlorofluoromethane	<23		49	23	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Vinyl chloride	<16		49	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Xylenes, Total	**410**		98	27	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
cis-1,3-Dichloropropene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
Styrene	<12		49	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1
tert-Butylbenzene	<14		49	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/21/23 10:23*	*02/21/23 17:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 17:32*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*02/21/23 10:23*	*02/21/23 17:32*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*02/21/23 10:23*	*02/21/23 17:32*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1221	<43		220	43	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1232	<43		220	43	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1242	<43		220	43	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1248	<43		220	43	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1254	<100		220	100	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1
PCB-1260	<100		220	100	ug/Kg	☼	02/20/23 06:01	02/21/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*02/20/23 06:01*	*02/21/23 18:10*	*1*
DCB Decachlorobiphenyl	*92*		*65 - 174*	*02/20/23 06:01*	*02/21/23 18:10*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.45**	**J**	0.68	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:08	1
Arsenic	**3.3**		2.3	0.45	mg/Kg	☼	02/20/23 11:35	02/22/23 15:03	1
Barium	**75.8**		0.56	0.12	mg/Kg	☼	02/20/23 11:35	02/21/23 19:08	1
Cadmium	**0.089**	**J**	0.23	0.034	mg/Kg	☼	02/20/23 11:35	02/21/23 19:08	1
Chromium	**14.9**		0.56	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:08	1
Lead	**11.8**		1.1	0.27	mg/Kg	☼	02/20/23 11:35	02/21/23 19:08	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	02/20/23 11:35	02/22/23 15:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**15.4**	**J B**	21.5	4.9	ug/Kg	☼	02/21/23 09:46	02/22/23 10:04	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M1-8 (0-4')
Date Collected: 02/14/23 16:10
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-6
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1,1-Trichloroethane	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1,2,2-Tetrachloroethane	<6.4		39	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1,2-Trichloroethane	<8.2		39	8.2	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1-Dichloroethane	<12		39	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1-Dichloroethene	<14		39	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,1-Dichloropropene	<9.8		39	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2,3-Trichlorobenzene	<18	^c	39	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2,3-Trichloropropane	<8.7		39	8.7	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2,4-Trichlorobenzene	<15		39	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2,4-Trimethylbenzene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2-Dibromo-3-Chloropropane	<20		39	20	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2-Dichlorobenzene	<10		39	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2-Dichloroethane	<16		39	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2-Dichloropropane	<6.3		39	6.3	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,3,5-Trimethylbenzene	<12		39	12	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,3-Dichlorobenzene	<10		39	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,3-Dichloropropane	<7.1		39	7.1	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,4-Dichlorobenzene	<5.5		39	5.5	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
2,2-Dichloropropane	<8.9		39	8.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
2-Chlorotoluene	<15		39	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
4-Chlorotoluene	<8.0		39	8.0	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
p-Isopropyltoluene	<13		39	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Benzene	<7.4		39	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Bromobenzene	<8.6		39	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Bromoform	<20		39	20	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Bromomethane	<8.6		39	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Carbon tetrachloride	<10		39	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Chlorobenzene	<5.2		39	5.2	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Bromochloromethane	<14		39	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Dibromochloromethane	<19		39	19	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Chloroethane	<8.2		39	8.2	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Chloroform	<27		39	27	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Chloromethane	<9.3	^c	39	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
cis-1,2-Dichloroethene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Dibromomethane	<13		39	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Bromodichloromethane	<7.8		39	7.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Dichlorodifluoromethane	<17		39	17	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Ethylbenzene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
1,2-Dibromoethane	<6.9		39	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Hexachlorobutadiene	<16	^c	39	16	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Isopropyl ether	<21		39	21	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Isopropylbenzene	<5.9		39	5.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Methyl tert-butyl ether	<15		39	15	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Methylene Chloride	<7.8		39	7.8	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
m&p-Xylene	<22		78	22	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Naphthalene	<13		39	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
n-Butylbenzene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
N-Propylbenzene	<10		39	10	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1

Client Sample ID: P5M1-8 (0-4')

Date Collected: 02/14/23 16:10
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-6

Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<5.1		39	5.1	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
sec-Butylbenzene	<14		39	14	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Tetrachloroethene	<5.3		39	5.3	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Toluene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
trans-1,2-Dichloroethene	<9.2		39	9.2	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
trans-1,3-Dichloropropene	<3.9		39	3.9	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Trichloroethene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Trichlorofluoromethane	<18		39	18	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Vinyl chloride	<13		39	13	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Xylenes, Total	<22		78	22	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
cis-1,3-Dichloropropene	<9.4		39	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
Styrene	<9.4		39	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1
tert-Butylbenzene	<11		39	11	ug/Kg	☼	02/21/23 10:23	02/21/23 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/21/23 10:23*	*02/21/23 17:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*02/21/23 10:23*	*02/21/23 17:55*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*02/21/23 10:23*	*02/21/23 17:55*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*02/21/23 10:23*	*02/21/23 17:55*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<56		280	56	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1221	<56		280	56	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1232	<56		280	56	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1242	<56		280	56	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1248	<56		280	56	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1254	<130		280	130	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1
PCB-1260	<130		280	130	ug/Kg	☼	02/20/23 06:01	02/21/23 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*02/20/23 06:01*	*02/21/23 18:24*	*1*
DCB Decachlorobiphenyl	*83*		*65 - 174*	*02/20/23 06:01*	*02/21/23 18:24*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.40**	**J**	0.70	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:12	1
Arsenic	**2.8**		2.3	0.47	mg/Kg	☼	02/20/23 11:35	02/22/23 15:07	1
Barium	**73.0**		0.58	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:12	1
Cadmium	**0.066**	**J**	0.23	0.035	mg/Kg	☼	02/20/23 11:35	02/21/23 19:12	1
Chromium	**18.5**		0.58	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:12	1
Lead	**9.5**		1.2	0.28	mg/Kg	☼	02/20/23 11:35	02/21/23 19:12	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	02/20/23 11:35	02/22/23 15:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17.5**	**J B**	23.5	5.4	ug/Kg	☼	02/21/23 09:46	02/22/23 10:06	1

Client Sample ID: P5M1-8 (29')

Date Collected: 02/14/23 18:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-7

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<26		93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1,1-Trichloroethane	<26		93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1,2,2-Tetrachloroethane	<15		93	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1,2-Trichloroethane	<20		93	20	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1-Dichloroethane	<29		93	29	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1-Dichloroethene	<32		93	32	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,1-Dichloropropene	<23		93	23	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2,3-Trichlorobenzene	<43	^c	93	43	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2,3-Trichloropropane	<21		93	21	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2,4-Trichlorobenzene	<35		93	35	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2,4-Trimethylbenzene	**40**	**J**	93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2-Dibromo-3-Chloropropane	<46		93	46	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2-Dichlorobenzene	<24		93	24	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2-Dichloroethane	<38		93	38	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2-Dichloropropane	<15		93	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,3,5-Trimethylbenzene	<28		93	28	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,3-Dichlorobenzene	<25		93	25	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,3-Dichloropropane	<17		93	17	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,4-Dichlorobenzene	<13		93	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
2,2-Dichloropropane	<21		93	21	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
2-Chlorotoluene	<36		93	36	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
4-Chlorotoluene	<19		93	19	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
p-Isopropyltoluene	<31		93	31	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Benzene	<18		93	18	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Bromobenzene	<20		93	20	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Bromoform	<46		93	46	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Bromomethane	<20		93	20	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Carbon tetrachloride	<24		93	24	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Chlorobenzene	<12		93	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Bromochloromethane	<34		93	34	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Dibromochloromethane	<45		93	45	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Chloroethane	<19		93	19	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Chloroform	<64		93	64	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Chloromethane	<22	^c	93	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
cis-1,2-Dichloroethene	<26		93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Dibromomethane	<30		93	30	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Bromodichloromethane	<19		93	19	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Dichlorodifluoromethane	<41		93	41	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Ethylbenzene	**3200**		93	27	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
1,2-Dibromoethane	<16		93	16	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Hexachlorobutadiene	<37	^c	93	37	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Isopropyl ether	<49		93	49	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Isopropylbenzene	**20**	**J**	93	14	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Methyl tert-butyl ether	<35		93	35	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Methylene Chloride	<18		93	18	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
m&p-Xylene	**7100**		190	51	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Naphthalene	<31		93	31	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
n-Butylbenzene	<27		93	27	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
N-Propylbenzene	<24		93	24	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2

Client Sample ID: P5M1-8 (29')

Date Collected: 02/14/23 18:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-7

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**20**	**J**	93	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
sec-Butylbenzene	<34		93	34	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Tetrachloroethene	<12		93	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Toluene	<25		93	25	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
trans-1,2-Dichloroethene	<22		93	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
trans-1,3-Dichloropropene	<9.1		93	9.1	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Trichloroethene	<26		93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Trichlorofluoromethane	<44		93	44	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Vinyl chloride	<31		93	31	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Xylenes, Total	**7100**		190	51	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
cis-1,3-Dichloropropene	<22		93	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
Styrene	<22		93	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2
tert-Butylbenzene	<26		93	26	ug/Kg	☼	02/21/23 10:23	02/21/23 18:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*02/21/23 10:23*	*02/21/23 18:18*	*2*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 18:18*	*2*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/21/23 10:23*	*02/21/23 18:18*	*2*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*02/21/23 10:23*	*02/21/23 18:18*	*2*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		210	40	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1221	<40		210	40	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1232	<40		210	40	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1242	<40		210	40	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1248	<40		210	40	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1254	<96		210	96	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1
PCB-1260	<96		210	96	ug/Kg	☼	02/20/23 06:01	02/21/23 18:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*02/20/23 06:01*	*02/21/23 18:37*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*02/20/23 06:01*	*02/21/23 18:37*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.22		0.67	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:16	1
Arsenic	**2.2**		2.2	0.44	mg/Kg	☼	02/20/23 11:35	02/22/23 15:11	1
Barium	**35.0**		0.56	0.12	mg/Kg	☼	02/20/23 11:35	02/21/23 19:16	1
Cadmium	**0.12**	**J**	0.22	0.033	mg/Kg	☼	02/20/23 11:35	02/21/23 19:16	1
Chromium	**9.8**		0.56	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:16	1
Lead	**13.5**		1.1	0.27	mg/Kg	☼	02/20/23 11:35	02/21/23 19:16	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	02/20/23 11:35	02/22/23 15:11	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.4**	**J B**	22.1	5.1	ug/Kg	☼	02/21/23 09:46	02/22/23 10:07	1

Client Sample ID: P5M1-8 (31')
Date Collected: 02/14/23 18:20
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-8
Matrix: Solid
Percent Solids: 81.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1,1-Trichloroethane	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1,2,2-Tetrachloroethane	<7.4		46	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1,2-Trichloroethane	<9.6		46	9.6	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1-Dichloroethane	<14		46	14	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1-Dichloroethene	<16		46	16	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,1-Dichloropropene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2,3-Trichlorobenzene	<21	^c	46	21	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2,3-Trichloropropane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2,4-Trichlorobenzene	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2,4-Trimethylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2-Dibromo-3-Chloropropane	<23		46	23	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2-Dichlorobenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2-Dichloroethane	<19		46	19	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2-Dichloropropane	<7.4		46	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,3,5-Trimethylbenzene	<14		46	14	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,3-Dichlorobenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,3-Dichloropropane	<8.3		46	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,4-Dichlorobenzene	<6.4		46	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
2,2-Dichloropropane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
2-Chlorotoluene	<18		46	18	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
4-Chlorotoluene	<9.3		46	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
p-Isopropyltoluene	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Benzene	<8.7		46	8.7	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Bromobenzene	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Bromoform	<23		46	23	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Bromomethane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Carbon tetrachloride	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Chlorobenzene	<6.1		46	6.1	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Bromochloromethane	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Dibromochloromethane	<22		46	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Chloroethane	<9.5		46	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Chloroform	<31		46	31	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Chloromethane	<11	^c	46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
cis-1,2-Dichloroethene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Dibromomethane	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Bromodichloromethane	<9.2		46	9.2	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Dichlorodifluoromethane	<20		46	20	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Ethylbenzene	**47**		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
1,2-Dibromoethane	<8.0		46	8.0	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Hexachlorobutadiene	<18	^c	46	18	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Isopropyl ether	<24		46	24	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Isopropylbenzene	<6.9		46	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Methyl tert-butyl ether	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Methylene Chloride	<9.1		46	9.1	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
m&p-Xylene	**110**		92	25	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Naphthalene	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
n-Butylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
N-Propylbenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1

Client Sample ID: P5M1-8 (31')

Date Collected: 02/14/23 18:20
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-8

Matrix: Solid
Percent Solids: 81.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.0		46	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
sec-Butylbenzene	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Tetrachloroethene	<6.2		46	6.2	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Toluene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
trans-1,2-Dichloroethene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
trans-1,3-Dichloropropene	<4.5		46	4.5	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Trichloroethene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Trichlorofluoromethane	<22		46	22	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Vinyl chloride	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Xylenes, Total	**110**		92	25	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
cis-1,3-Dichloropropene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
Styrene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1
tert-Butylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*02/21/23 10:23*	*02/21/23 18:41*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 18:41*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*02/21/23 10:23*	*02/21/23 18:41*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*02/21/23 10:23*	*02/21/23 18:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<51		260	51	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1221	<51		260	51	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1232	<51		260	51	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1242	<51		260	51	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1248	<51		260	51	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1254	<120		260	120	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1
PCB-1260	<120		260	120	ug/Kg	☼	02/20/23 06:01	02/21/23 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*02/20/23 06:01*	*02/21/23 18:50*	*1*
DCB Decachlorobiphenyl	*89*		*65 - 174*	*02/20/23 06:01*	*02/21/23 18:50*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.66**	**J**	0.71	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:32	1
Arsenic	**4.4**		2.4	0.47	mg/Kg	☼	02/20/23 11:35	02/22/23 15:15	1
Barium	**113**		0.59	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:32	1
Cadmium	<0.035		0.24	0.035	mg/Kg	☼	02/20/23 11:35	02/21/23 19:32	1
Chromium	**30.6**		0.59	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:32	1
Lead	**14.0**		1.2	0.28	mg/Kg	☼	02/20/23 11:35	02/21/23 19:32	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	02/20/23 11:35	02/22/23 15:15	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21.8**	**J B**	24.1	5.5	ug/Kg	☼	02/21/23 09:46	02/22/23 10:08	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC20 (33')
Date Collected: 02/15/23 14:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-10
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1,1-Trichloroethane	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1,2,2-Tetrachloroethane	<7.2		45	7.2	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1,2-Trichloroethane	<9.4		45	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1-Dichloroethane	<14		45	14	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1-Dichloroethene	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,1-Dichloropropene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2,3-Trichlorobenzene	<21	^c	45	21	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2,3-Trichloropropane	<10		45	10	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2,4-Trichlorobenzene	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2,4-Trimethylbenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2-Dibromo-3-Chloropropane	<22		45	22	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2-Dichlorobenzene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2-Dichloroethane	<18		45	18	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2-Dichloropropane	<7.2		45	7.2	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,3,5-Trimethylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,3-Dichlorobenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,3-Dichloropropane	<8.1		45	8.1	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,4-Dichlorobenzene	<6.2		45	6.2	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
2,2-Dichloropropane	<10		45	10	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
2-Chlorotoluene	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
4-Chlorotoluene	<9.1		45	9.1	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
p-Isopropyltoluene	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Benzene	<8.5		45	8.5	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Bromobenzene	<9.8		45	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Bromoform	<22		45	22	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Bromomethane	<9.8		45	9.8	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Carbon tetrachloride	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Chlorobenzene	<5.9		45	5.9	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Bromochloromethane	<16		45	16	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Dibromochloromethane	<22		45	22	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Chloroethane	<9.3		45	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Chloroform	<31		45	31	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Chloromethane	<11	^c	45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
cis-1,2-Dichloroethene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Dibromomethane	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Bromodichloromethane	<8.9		45	8.9	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Dichlorodifluoromethane	<19		45	19	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Ethylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
1,2-Dibromoethane	<7.8		45	7.8	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Hexachlorobutadiene	<18	^c	45	18	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Isopropyl ether	<24		45	24	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Isopropylbenzene	<6.7		45	6.7	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Methyl tert-butyl ether	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Methylene Chloride	<8.8		45	8.8	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
m&p-Xylene	<25		89	25	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Naphthalene	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
n-Butylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
N-Propylbenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1

Client Sample ID: WC20 (33')

Date Collected: 02/15/23 14:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-10

Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<5.8		45	5.8	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
sec-Butylbenzene	<16		45	16	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Tetrachloroethene	<6.0		45	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Toluene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
trans-1,2-Dichloroethene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
trans-1,3-Dichloropropene	<4.4		45	4.4	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Trichloroethene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Trichlorofluoromethane	<21		45	21	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Vinyl chloride	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Xylenes, Total	<25		89	25	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
cis-1,3-Dichloropropene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
Styrene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1
tert-Butylbenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*02/21/23 10:23*	*02/21/23 19:28*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 19:28*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*02/21/23 10:23*	*02/21/23 19:28*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*02/21/23 10:23*	*02/21/23 19:28*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1221	<45		230	45	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1232	<45		230	45	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1242	<45		230	45	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1248	<45		230	45	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1254	<110		230	110	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1
PCB-1260	<110		230	110	ug/Kg	☼	02/20/23 06:01	02/21/23 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*114*		*60 - 154*	*02/20/23 06:01*	*02/21/23 19:17*	*1*
DCB Decachlorobiphenyl	*100*		*65 - 174*	*02/20/23 06:01*	*02/21/23 19:17*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.29**	**J**	0.67	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:40	1
Arsenic	**2.8**		2.2	0.45	mg/Kg	☼	02/20/23 11:35	02/22/23 15:23	1
Barium	**79.9**		0.56	0.12	mg/Kg	☼	02/20/23 11:35	02/21/23 19:40	1
Cadmium	<0.034		0.22	0.034	mg/Kg	☼	02/20/23 11:35	02/21/23 19:40	1
Chromium	**15.2**		0.56	0.22	mg/Kg	☼	02/20/23 11:35	02/21/23 19:40	1
Lead	**9.4**		1.1	0.27	mg/Kg	☼	02/20/23 11:35	02/21/23 19:40	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	02/20/23 11:35	02/22/23 15:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13.6**	**J B**	23.1	5.3	ug/Kg	☼	02/21/23 09:46	02/22/23 10:14	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC21 (7')
Date Collected: 02/15/23 14:58
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-12
Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1,1-Trichloroethane	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1,2,2-Tetrachloroethane	<6.4		40	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1,2-Trichloroethane	<8.3		40	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1-Dichloroethane	<12		40	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1-Dichloroethene	<14		40	14	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,1-Dichloropropene	<9.9		40	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2,3-Trichlorobenzene	<18	^c	40	18	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2,3-Trichloropropane	<8.9		40	8.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2,4-Trichlorobenzene	<15		40	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2,4-Trimethylbenzene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2-Dibromo-3-Chloropropane	<20		40	20	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2-Dichlorobenzene	<10		40	10	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2-Dichloroethane	<16		40	16	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2-Dichloropropane	<6.4		40	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,3,5-Trimethylbenzene	<12		40	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,3-Dichlorobenzene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,3-Dichloropropane	<7.2		40	7.2	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,4-Dichlorobenzene	<5.6		40	5.6	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
2,2-Dichloropropane	<9.0		40	9.0	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
2-Chlorotoluene	<15		40	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
4-Chlorotoluene	<8.1		40	8.1	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
p-Isopropyltoluene	<13		40	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Benzene	<7.5		40	7.5	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Bromobenzene	<8.7		40	8.7	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Bromoform	<20		40	20	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Bromomethane	<8.7		40	8.7	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Carbon tetrachloride	<10		40	10	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Chlorobenzene	<5.2		40	5.2	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Bromochloromethane	<14		40	14	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Dibromochloromethane	<19		40	19	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Chloroethane	<8.3		40	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Chloroform	<27		40	27	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Chloromethane	<9.4	^c	40	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
cis-1,2-Dichloroethene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Dibromomethane	<13		40	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Bromodichloromethane	<7.9		40	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Dichlorodifluoromethane	<17		40	17	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Ethylbenzene	<12		40	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
1,2-Dibromoethane	<6.9		40	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Hexachlorobutadiene	<16	^c	40	16	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Isopropyl ether	<21		40	21	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Isopropylbenzene	<6.0		40	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Methyl tert-butyl ether	<15		40	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Methylene Chloride	<7.9		40	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
m&p-Xylene	<22		79	22	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Naphthalene	<13		40	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
n-Butylbenzene	<12		40	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
N-Propylbenzene	<10		40	10	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1

Client Sample ID: WC21 (7')

Date Collected: 02/15/23 14:58
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-12

Matrix: Solid
Percent Solids: 89.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<5.2		40	5.2	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
sec-Butylbenzene	<15		40	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Tetrachloroethene	<5.3		40	5.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Toluene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
trans-1,2-Dichloroethene	<9.4		40	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
trans-1,3-Dichloropropene	<3.9		40	3.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Trichloroethene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Trichlorofluoromethane	<19		40	19	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Vinyl chloride	<13		40	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Xylenes, Total	<22		79	22	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
cis-1,3-Dichloropropene	<9.5		40	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
Styrene	<9.6		40	9.6	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1
tert-Butylbenzene	<11		40	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*02/21/23 10:23*	*02/21/23 20:15*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 20:15*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*02/21/23 10:23*	*02/21/23 20:15*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*02/21/23 10:23*	*02/21/23 20:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1221	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1232	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1242	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1248	<41		210	41	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1254	<97		210	97	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1
PCB-1260	<97		210	97	ug/Kg	☼	02/20/23 06:01	02/21/23 20:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*60 - 154*	*02/20/23 06:01*	*02/21/23 20:10*	*1*
DCB Decachlorobiphenyl	*94*		*65 - 174*	*02/20/23 06:01*	*02/21/23 20:10*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.38**	**J**	0.70	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:48	1
Arsenic	**3.9**		2.3	0.46	mg/Kg	☼	02/20/23 11:35	02/22/23 15:43	1
Barium	**61.9**		0.58	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:48	1
Cadmium	**0.19**	**J**	0.23	0.035	mg/Kg	☼	02/20/23 11:35	02/21/23 19:48	1
Chromium	**15.0**		0.58	0.23	mg/Kg	☼	02/20/23 11:35	02/21/23 19:48	1
Lead	**11.2**		1.2	0.28	mg/Kg	☼	02/20/23 11:35	02/21/23 19:48	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	02/20/23 11:35	02/22/23 15:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17.2**	**J B**	22.1	5.1	ug/Kg	☼	02/21/23 09:46	02/22/23 10:16	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC21 (10')
Date Collected: 02/15/23 15:05
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-13
Matrix: Solid
Percent Solids: 85.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1,1-Trichloroethane	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1,2,2-Tetrachloroethane	<7.3		45	7.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1,2-Trichloroethane	<9.5		45	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1-Dichloroethane	<14		45	14	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1-Dichloroethene	<16		45	16	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,1-Dichloropropene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2,3-Trichlorobenzene	<21	^c	45	21	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2,3-Trichloropropane	<10		45	10	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2,4-Trichlorobenzene	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2,4-Trimethylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2-Dibromo-3-Chloropropane	<23		45	23	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2-Dichlorobenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2-Dichloroethane	<18		45	18	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2-Dichloropropane	<7.3		45	7.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,3,5-Trimethylbenzene	<14		45	14	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,3-Dichlorobenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,3-Dichloropropane	<8.2		45	8.2	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,4-Dichlorobenzene	<6.3		45	6.3	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
2,2-Dichloropropane	<10		45	10	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
2-Chlorotoluene	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
4-Chlorotoluene	<9.2		45	9.2	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
p-Isopropyltoluene	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Benzene	<8.6		45	8.6	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Bromobenzene	<9.9		45	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Bromoform	<23		45	23	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Bromomethane	<9.9		45	9.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Carbon tetrachloride	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Chlorobenzene	<6.0		45	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Bromochloromethane	<16		45	16	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Dibromochloromethane	<22		45	22	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Chloroethane	<9.4		45	9.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Chloroform	<31		45	31	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Chloromethane	<11	^c	45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
cis-1,2-Dichloroethene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Dibromomethane	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Bromodichloromethane	<9.0		45	9.0	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Dichlorodifluoromethane	<20		45	20	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Ethylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
1,2-Dibromoethane	<7.9		45	7.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Hexachlorobutadiene	<18	^c	45	18	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Isopropyl ether	<24		45	24	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Isopropylbenzene	<6.8		45	6.8	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Methyl tert-butyl ether	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Methylene Chloride	<8.9		45	8.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
m&p-Xylene	<25		90	25	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Naphthalene	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
n-Butylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
N-Propylbenzene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1

Client Sample ID: WC21 (10')

Date Collected: 02/15/23 15:05
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-13

Matrix: Solid
Percent Solids: 85.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<5.9		45	5.9	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
sec-Butylbenzene	<17		45	17	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Tetrachloroethene	<6.1		45	6.1	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Toluene	<12		45	12	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
trans-1,2-Dichloroethene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
trans-1,3-Dichloropropene	<4.4		45	4.4	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Trichloroethene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Trichlorofluoromethane	<21		45	21	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Vinyl chloride	<15		45	15	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Xylenes, Total	<25		90	25	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
cis-1,3-Dichloropropene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
Styrene	<11		45	11	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1
tert-Butylbenzene	<13		45	13	ug/Kg	☼	02/21/23 10:23	02/21/23 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*02/21/23 10:23*	*02/21/23 20:38*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*02/21/23 10:23*	*02/21/23 20:38*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*02/21/23 10:23*	*02/21/23 20:38*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 140*	*02/21/23 10:23*	*02/21/23 20:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1221	<49		250	49	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1232	<49		250	49	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1242	<49		250	49	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1248	<49		250	49	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1254	<120		250	120	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1
PCB-1260	<120		250	120	ug/Kg	☼	02/20/23 06:01	02/21/23 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*60 - 154*	*02/20/23 06:01*	*02/21/23 20:23*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*02/20/23 06:01*	*02/21/23 20:23*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.47**	**J**	0.73	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:52	1
Arsenic	**4.7**		2.4	0.49	mg/Kg	☼	02/20/23 11:35	02/22/23 15:47	1
Barium	**81.7**		0.61	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:52	1
Cadmium	**0.33**		0.24	0.037	mg/Kg	☼	02/20/23 11:35	02/21/23 19:52	1
Chromium	**17.7**		0.61	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:52	1
Lead	**10.2**		1.2	0.29	mg/Kg	☼	02/20/23 11:35	02/21/23 19:52	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	02/20/23 11:35	02/22/23 15:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23.5**	**J B**	23.7	5.5	ug/Kg	☼	02/21/23 09:46	02/22/23 10:17	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC21 (37')
Date Collected: 02/15/23 16:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-14
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1,1-Trichloroethane	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1,2,2-Tetrachloroethane	<7.4		46	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1,2-Trichloroethane	<9.6		46	9.6	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1-Dichloroethane	<14		46	14	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1-Dichloroethene	<16		46	16	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,1-Dichloropropene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2,3-Trichlorobenzene	<21	^c	46	21	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2,3-Trichloropropane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2,4-Trichlorobenzene	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2,4-Trimethylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2-Dibromo-3-Chloropropane	<23		46	23	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2-Dichlorobenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2-Dichloroethane	<19		46	19	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2-Dichloropropane	<7.4		46	7.4	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,3,5-Trimethylbenzene	<14		46	14	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,3-Dichlorobenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,3-Dichloropropane	<8.3		46	8.3	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,4-Dichlorobenzene	<6.4		46	6.4	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
2,2-Dichloropropane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
2-Chlorotoluene	<18		46	18	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
4-Chlorotoluene	<9.3		46	9.3	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
p-Isopropyltoluene	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Benzene	<8.7		46	8.7	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Bromobenzene	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Bromoform	<23		46	23	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Bromomethane	<10		46	10	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Carbon tetrachloride	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Chlorobenzene	<6.0		46	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Bromochloromethane	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Dibromochloromethane	<22		46	22	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Chloroethane	<9.5		46	9.5	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Chloroform	<31		46	31	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Chloromethane	<11	^c	46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
cis-1,2-Dichloroethene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Dibromomethane	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Bromodichloromethane	<9.2		46	9.2	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Dichlorodifluoromethane	<20		46	20	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Ethylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
1,2-Dibromoethane	<8.0		46	8.0	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Hexachlorobutadiene	<18	^c	46	18	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Isopropyl ether	<24		46	24	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Isopropylbenzene	<6.9		46	6.9	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Methyl tert-butyl ether	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Methylene Chloride	<9.1		46	9.1	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
m&p-Xylene	<25		92	25	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Naphthalene	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
n-Butylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
N-Propylbenzene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1

Client Sample ID: WC21 (37')

Date Collected: 02/15/23 16:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-14

Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.0		46	6.0	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
sec-Butylbenzene	<17		46	17	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Tetrachloroethene	<6.2		46	6.2	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Toluene	<12		46	12	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
trans-1,2-Dichloroethene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
trans-1,3-Dichloropropene	<4.5		46	4.5	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Trichloroethene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Trichlorofluoromethane	<21		46	21	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Vinyl chloride	<15		46	15	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Xylenes, Total	<25		92	25	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
cis-1,3-Dichloropropene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
Styrene	<11		46	11	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1
tert-Butylbenzene	<13		46	13	ug/Kg	☼	02/21/23 10:23	02/21/23 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*02/21/23 10:23*	*02/21/23 21:01*	*1*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*	*02/21/23 10:23*	*02/21/23 21:01*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*02/21/23 10:23*	*02/21/23 21:01*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 140*	*02/21/23 10:23*	*02/21/23 21:01*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<48		250	48	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1221	<48		250	48	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1232	<48		250	48	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1242	<48		250	48	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1248	<48		250	48	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1254	<120		250	120	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1
PCB-1260	<120		250	120	ug/Kg	☼	02/20/23 06:01	02/21/23 20:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*112*		*60 - 154*	*02/20/23 06:01*	*02/21/23 20:37*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*02/20/23 06:01*	*02/21/23 20:37*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.71	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:56	1
Arsenic	**3.9**		2.4	0.48	mg/Kg	☼	02/20/23 11:35	02/22/23 15:51	1
Barium	**59.1**		0.59	0.13	mg/Kg	☼	02/20/23 11:35	02/21/23 19:56	1
Cadmium	**0.039**	**J**	0.24	0.036	mg/Kg	☼	02/20/23 11:35	02/21/23 19:56	1
Chromium	**13.1**		0.59	0.24	mg/Kg	☼	02/20/23 11:35	02/21/23 19:56	1
Lead	**7.9**		1.2	0.29	mg/Kg	☼	02/20/23 11:35	02/21/23 19:56	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	02/20/23 11:35	02/22/23 15:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.2**	**J B**	21.6	5.0	ug/Kg	☼	02/21/23 09:46	02/22/23 10:19	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-206289-1	P5M2-8 (4-6')	95	95	99	86
480-206289-2	P5M2-9 (0-4')	95	94	98	84
480-206289-3	P5M2-9 (30')	96	89	97	88
480-206289-4	P5M1-9 (0-4')	98	90	95	83
480-206289-5	P5M1-9 (25')	98	94	98	88
480-206289-6	P5M1-8 (0-4')	98	97	100	88
480-206289-7	P5M1-8 (29')	103	94	99	93
480-206289-8	P5M1-8 (31')	98	94	100	86
480-206289-10	WC20 (33')	100	94	99	91
480-206289-12	WC21 (7')	100	94	98	87
480-206289-13	WC21 (10')	95	94	97	83
480-206289-14	WC21 (37')	92	91	94	83
LCS 480-659388/1-A	Lab Control Sample	96	95	98	92
MB 480-659388/3-A	Method Blank	101	93	97	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-206289-1	P5M2-8 (4-6')	102	92
480-206289-2	P5M2-9 (0-4')	104	97
480-206289-3	P5M2-9 (30')	100	89
480-206289-4	P5M1-9 (0-4')	118	99
480-206289-5	P5M1-9 (25')	102	92
480-206289-6	P5M1-8 (0-4')	94	83
480-206289-7	P5M1-8 (29')	109	97
480-206289-8	P5M1-8 (31')	102	89
480-206289-10	WC20 (33')	114	100
480-206289-12	WC21 (7')	97	94
480-206289-13	WC21 (10')	100	105
480-206289-14	WC21 (37')	112	103
LCS 480-659216/2-A	Lab Control Sample	130	136
MB 480-659216/1-A	Method Blank	101	122

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-659388/3-A
Matrix: Solid
Analysis Batch: 659405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659388

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1-Dichloroethane	<31		100	31	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1-Dichloroethene	<35		100	35	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,1-Dichloropropene	<25		100	25	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2-Dichloroethane	<41		100	41	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2-Dichloropropane	<16		100	16	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,3-Dichloropropane	<18		100	18	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
2,2-Dichloropropane	<23		100	23	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
2-Chlorotoluene	<38		100	38	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
4-Chlorotoluene	<20		100	20	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
p-Isopropyltoluene	<34		100	34	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Benzene	<19		100	19	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Bromobenzene	<22		100	22	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Bromoform	<50		100	50	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Bromomethane	<22		100	22	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Carbon tetrachloride	<26		100	26	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Chlorobenzene	<13		100	13	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Bromochloromethane	<36		100	36	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Dibromochloromethane	<48		100	48	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Chloroethane	<21		100	21	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Chloroform	<69		100	69	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Chloromethane	<24		100	24	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Dibromomethane	<33		100	33	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Bromodichloromethane	<20		100	20	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Ethylbenzene	<29		100	29	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
1,2-Dibromoethane	<18		100	18	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Hexachlorobutadiene	<40		100	40	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Isopropyl ether	<53		100	53	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Isopropylbenzene	<15		100	15	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Methylene Chloride	<20		100	20	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
m&p-Xylene	<55		200	55	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Naphthalene	<34		100	34	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
n-Butylbenzene	<29		100	29	ug/Kg		02/21/23 10:23	02/21/23 14:25	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-659388/3-A
Matrix: Solid
Analysis Batch: 659405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659388

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
o-Xylene	<13		100	13	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
sec-Butylbenzene	<37		100	37	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Tetrachloroethene	<13		100	13	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Toluene	<27		100	27	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Trichloroethene	<28		100	28	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Trichlorofluoromethane	<47		100	47	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Vinyl chloride	<34		100	34	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Xylenes, Total	<55		200	55	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
Styrene	<24		100	24	ug/Kg		02/21/23 10:23	02/21/23 14:25	1
tert-Butylbenzene	<28		100	28	ug/Kg		02/21/23 10:23	02/21/23 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*02/21/23 10:23*	*02/21/23 14:25*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*02/21/23 10:23*	*02/21/23 14:25*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*02/21/23 10:23*	*02/21/23 14:25*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*02/21/23 10:23*	*02/21/23 14:25*	*1*

Lab Sample ID: LCS 480-659388/1-A
Matrix: Solid
Analysis Batch: 659405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2110		ug/Kg		84	78 - 120
1,1,1-Trichloroethane	2500	2220		ug/Kg		89	68 - 130
1,1,2,2-Tetrachloroethane	2500	2380		ug/Kg		95	73 - 120
1,1,2-Trichloroethane	2500	2550		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2290		ug/Kg		92	78 - 121
1,1-Dichloroethene	2500	2200		ug/Kg		88	48 - 133
1,1-Dichloropropene	2500	2520		ug/Kg		101	75 - 121
1,2,3-Trichlorobenzene	2500	2050		ug/Kg		82	57 - 150
1,2,3-Trichloropropane	2500	2600		ug/Kg		104	75 - 120
1,2,4-Trichlorobenzene	2500	2030		ug/Kg		81	70 - 140
1,2,4-Trimethylbenzene	2500	2350		ug/Kg		94	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2020		ug/Kg		81	56 - 122
1,2-Dichlorobenzene	2500	2360		ug/Kg		94	78 - 125
1,2-Dichloroethane	2500	2470		ug/Kg		99	74 - 127
1,2-Dichloropropane	2500	2480		ug/Kg		99	80 - 120
1,3,5-Trimethylbenzene	2500	2350		ug/Kg		94	79 - 120
1,3-Dichlorobenzene	2500	2420		ug/Kg		97	80 - 120
1,3-Dichloropropane	2500	2580		ug/Kg		103	80 - 120
1,4-Dichlorobenzene	2500	2450		ug/Kg		98	80 - 120
2,2-Dichloropropane	2500	1980		ug/Kg		79	58 - 142
2-Chlorotoluene	2500	2360		ug/Kg		94	72 - 122
4-Chlorotoluene	2500	2460		ug/Kg		98	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-659388/1-A
Matrix: Solid
Analysis Batch: 659405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659388

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2310		ug/Kg		93	80 - 120
Benzene	2500	2430		ug/Kg		97	77 - 125
Bromobenzene	2500	2460		ug/Kg		98	78 - 120
Bromoform	2500	2060		ug/Kg		82	48 - 125
Bromomethane	2500	1660		ug/Kg		66	39 - 149
Carbon tetrachloride	2500	2050		ug/Kg		82	54 - 135
Chlorobenzene	2500	2490		ug/Kg		99	76 - 126
Bromochloromethane	2500	2420		ug/Kg		97	79 - 120
Dibromochloromethane	2500	2190		ug/Kg		88	64 - 120
Chloroethane	2500	1870		ug/Kg		75	23 - 150
Chloroform	2500	2220		ug/Kg		89	78 - 120
Chloromethane	2500	1800		ug/Kg		72	61 - 124
cis-1,2-Dichloroethene	2500	2290		ug/Kg		92	79 - 124
Dibromomethane	2500	2430		ug/Kg		97	79 - 120
Bromodichloromethane	2500	2270		ug/Kg		91	71 - 121
Dichlorodifluoromethane	2500	1650		ug/Kg		66	10 - 150
Ethylbenzene	2500	2430		ug/Kg		97	78 - 124
1,2-Dibromoethane	2500	2590		ug/Kg		104	80 - 120
Hexachlorobutadiene	2500	1950		ug/Kg		78	61 - 149
Isopropylbenzene	2500	2480		ug/Kg		99	76 - 120
Methyl tert-butyl ether	2500	2260		ug/Kg		90	67 - 137
Methylene Chloride	2500	2300		ug/Kg		92	75 - 118
m&p-Xylene	2500	2410		ug/Kg		96	77 - 125
Naphthalene	2500	2130		ug/Kg		85	65 - 142
n-Butylbenzene	2500	2230		ug/Kg		89	80 - 120
N-Propylbenzene	2500	2460		ug/Kg		99	76 - 120
o-Xylene	2500	2380		ug/Kg		95	80 - 124
sec-Butylbenzene	2500	2320		ug/Kg		93	79 - 120
Tetrachloroethene	2500	2600		ug/Kg		104	73 - 133
Toluene	2500	2510		ug/Kg		100	75 - 124
trans-1,2-Dichloroethene	2500	2270		ug/Kg		91	74 - 129
trans-1,3-Dichloropropene	2500	2470		ug/Kg		99	73 - 120
Trichloroethene	2500	2500		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2070		ug/Kg		83	29 - 158
Vinyl chloride	2500	2030		ug/Kg		81	59 - 124
cis-1,3-Dichloropropene	2500	2400		ug/Kg		96	75 - 121
Styrene	2500	2420		ug/Kg		97	80 - 120
tert-Butylbenzene	2500	2540		ug/Kg		101	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*
Toluene-d8 (Surr)	*98*		*50 - 149*
Dibromofluoromethane (Surr)	*92*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-659216/1-A
Matrix: Solid
Analysis Batch: 659422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659216

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<44		230	44	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1221	<44		230	44	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1232	<44		230	44	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1242	<44		230	44	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1248	<44		230	44	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1254	<110		230	110	ug/Kg		02/20/23 06:01	02/21/23 15:31	1
PCB-1260	<110		230	110	ug/Kg		02/20/23 06:01	02/21/23 15:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*02/20/23 06:01*	*02/21/23 15:31*	*1*
DCB Decachlorobiphenyl	*122*		*65 - 174*	*02/20/23 06:01*	*02/21/23 15:31*	*1*

Lab Sample ID: LCS 480-659216/2-A
Matrix: Solid
Analysis Batch: 659422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659216

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			1910	2700		ug/Kg		142	51 - 185		
PCB-1260			1910	2450		ug/Kg		128	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*130*		*60 - 154*
DCB Decachlorobiphenyl	*136*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-659173/1-A
Matrix: Solid
Analysis Batch: 659516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659173

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.57	0.19	mg/Kg		02/20/23 11:35	02/21/23 18:45	1
Barium	<0.10		0.47	0.10	mg/Kg		02/20/23 11:35	02/21/23 18:45	1
Cadmium	<0.028		0.19	0.028	mg/Kg		02/20/23 11:35	02/21/23 18:45	1
Chromium	<0.19		0.47	0.19	mg/Kg		02/20/23 11:35	02/21/23 18:45	1
Lead	<0.23		0.94	0.23	mg/Kg		02/20/23 11:35	02/21/23 18:45	1

Lab Sample ID: MB 480-659173/1-A
Matrix: Solid
Analysis Batch: 659655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659173

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.38		1.9	0.38	mg/Kg		02/20/23 11:35	02/22/23 14:28	1
Selenium	<0.38		3.8	0.38	mg/Kg		02/20/23 11:35	02/22/23 14:28	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-659173/2-A
Matrix: Solid
Analysis Batch: 659516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659173

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	72.45		mg/Kg		82.8	63.7 - 115.4
Barium	169	140.5		mg/Kg		83.1	68.6 - 114.2
Cadmium	227	171.7		mg/Kg		75.7	64.8 - 110.1
Chromium	115	90.74		mg/Kg		78.9	62.4 - 115.7
Lead	74.8	84.42		mg/Kg		112.9	67.0 - 128.9

Lab Sample ID: LCSSRM 480-659173/2-A
Matrix: Solid
Analysis Batch: 659655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659173

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	129	99.48		mg/Kg		77.1	60.9 - 113.2
Selenium	246	181.0		mg/Kg		73.6	60.2 - 114.6

Lab Sample ID: MB 480-660684/2-A
Matrix: Solid
Analysis Batch: 660971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 660684

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0030		0.020	0.0030	mg/L		03/07/23 10:23	03/08/23 12:50	1

Lab Sample ID: LCS 480-660684/3-A
Matrix: Solid
Analysis Batch: 660971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 660684

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	1.00	0.908		mg/L		91	80 - 120

Lab Sample ID: LCSD 480-660684/4-A
Matrix: Solid
Analysis Batch: 660971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 660684

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	1.00	0.913		mg/L		91	80 - 120	1	20

Lab Sample ID: LB2 480-660575/1-B
Matrix: Solid
Analysis Batch: 660971

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 660684

Analyte	LB2 Result	LB2 Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.0430		0.020	0.0030	mg/L		03/07/23 10:23	03/08/23 12:46	1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-659322/1-A
Matrix: Solid
Analysis Batch: 659541

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 659322

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	5.18	J	18.8	4.3	ug/Kg		02/21/23 09:46	02/22/23 09:57	1

Lab Sample ID: LCSSRM 480-659322/2-A ^10
Matrix: Solid
Analysis Batch: 659541

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 659322

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	18490		ug/Kg		89.3	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

GC/MS VOA

Prep Batch: 659388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	5035A_H	
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	5035A_H	
480-206289-3	P5M2-9 (30')	Total/NA	Solid	5035A_H	
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	5035A_H	
480-206289-5	P5M1-9 (25')	Total/NA	Solid	5035A_H	
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	5035A_H	
480-206289-7	P5M1-8 (29')	Total/NA	Solid	5035A_H	
480-206289-8	P5M1-8 (31')	Total/NA	Solid	5035A_H	
480-206289-10	WC20 (33')	Total/NA	Solid	5035A_H	
480-206289-12	WC21 (7')	Total/NA	Solid	5035A_H	
480-206289-13	WC21 (10')	Total/NA	Solid	5035A_H	
480-206289-14	WC21 (37')	Total/NA	Solid	5035A_H	
MB 480-659388/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-659388/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 659405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	8260C	659388
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	8260C	659388
480-206289-3	P5M2-9 (30')	Total/NA	Solid	8260C	659388
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	8260C	659388
480-206289-5	P5M1-9 (25')	Total/NA	Solid	8260C	659388
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	8260C	659388
480-206289-7	P5M1-8 (29')	Total/NA	Solid	8260C	659388
480-206289-8	P5M1-8 (31')	Total/NA	Solid	8260C	659388
480-206289-10	WC20 (33')	Total/NA	Solid	8260C	659388
480-206289-12	WC21 (7')	Total/NA	Solid	8260C	659388
480-206289-13	WC21 (10')	Total/NA	Solid	8260C	659388
480-206289-14	WC21 (37')	Total/NA	Solid	8260C	659388
MB 480-659388/3-A	Method Blank	Total/NA	Solid	8260C	659388
LCS 480-659388/1-A	Lab Control Sample	Total/NA	Solid	8260C	659388

GC Semi VOA

Prep Batch: 659216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	3550C	
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	3550C	
480-206289-3	P5M2-9 (30')	Total/NA	Solid	3550C	
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	3550C	
480-206289-5	P5M1-9 (25')	Total/NA	Solid	3550C	
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	3550C	
480-206289-7	P5M1-8 (29')	Total/NA	Solid	3550C	
480-206289-8	P5M1-8 (31')	Total/NA	Solid	3550C	
480-206289-10	WC20 (33')	Total/NA	Solid	3550C	
480-206289-12	WC21 (7')	Total/NA	Solid	3550C	
480-206289-13	WC21 (10')	Total/NA	Solid	3550C	
480-206289-14	WC21 (37')	Total/NA	Solid	3550C	
MB 480-659216/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-659216/2-A	Lab Control Sample	Total/NA	Solid	3550C	

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

GC Semi VOA

Analysis Batch: 659422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	8082A	659216
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	8082A	659216
480-206289-3	P5M2-9 (30')	Total/NA	Solid	8082A	659216
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	8082A	659216
480-206289-5	P5M1-9 (25')	Total/NA	Solid	8082A	659216
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	8082A	659216
480-206289-7	P5M1-8 (29')	Total/NA	Solid	8082A	659216
480-206289-8	P5M1-8 (31')	Total/NA	Solid	8082A	659216
480-206289-10	WC20 (33')	Total/NA	Solid	8082A	659216
480-206289-12	WC21 (7')	Total/NA	Solid	8082A	659216
480-206289-13	WC21 (10')	Total/NA	Solid	8082A	659216
480-206289-14	WC21 (37')	Total/NA	Solid	8082A	659216
MB 480-659216/1-A	Method Blank	Total/NA	Solid	8082A	659216
LCS 480-659216/2-A	Lab Control Sample	Total/NA	Solid	8082A	659216

Metals

Prep Batch: 659173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	3050B	
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	3050B	
480-206289-3	P5M2-9 (30')	Total/NA	Solid	3050B	
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	3050B	
480-206289-5	P5M1-9 (25')	Total/NA	Solid	3050B	
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	3050B	
480-206289-7	P5M1-8 (29')	Total/NA	Solid	3050B	
480-206289-8	P5M1-8 (31')	Total/NA	Solid	3050B	
480-206289-10	WC20 (33')	Total/NA	Solid	3050B	
480-206289-12	WC21 (7')	Total/NA	Solid	3050B	
480-206289-13	WC21 (10')	Total/NA	Solid	3050B	
480-206289-14	WC21 (37')	Total/NA	Solid	3050B	
MB 480-659173/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-659173/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 659322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	7471B	
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	7471B	
480-206289-3	P5M2-9 (30')	Total/NA	Solid	7471B	
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	7471B	
480-206289-5	P5M1-9 (25')	Total/NA	Solid	7471B	
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	7471B	
480-206289-7	P5M1-8 (29')	Total/NA	Solid	7471B	
480-206289-8	P5M1-8 (31')	Total/NA	Solid	7471B	
480-206289-10	WC20 (33')	Total/NA	Solid	7471B	
480-206289-12	WC21 (7')	Total/NA	Solid	7471B	
480-206289-13	WC21 (10')	Total/NA	Solid	7471B	
480-206289-14	WC21 (37')	Total/NA	Solid	7471B	
MB 480-659322/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-659322/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Metals

Analysis Batch: 659516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	6010C	659173
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	6010C	659173
480-206289-3	P5M2-9 (30')	Total/NA	Solid	6010C	659173
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	6010C	659173
480-206289-5	P5M1-9 (25')	Total/NA	Solid	6010C	659173
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	6010C	659173
480-206289-7	P5M1-8 (29')	Total/NA	Solid	6010C	659173
480-206289-8	P5M1-8 (31')	Total/NA	Solid	6010C	659173
480-206289-10	WC20 (33')	Total/NA	Solid	6010C	659173
480-206289-12	WC21 (7')	Total/NA	Solid	6010C	659173
480-206289-13	WC21 (10')	Total/NA	Solid	6010C	659173
480-206289-14	WC21 (37')	Total/NA	Solid	6010C	659173
MB 480-659173/1-A	Method Blank	Total/NA	Solid	6010C	659173
LCSSRM 480-659173/2-A	Lab Control Sample	Total/NA	Solid	6010C	659173

Analysis Batch: 659541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	7471B	659322
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	7471B	659322
480-206289-3	P5M2-9 (30')	Total/NA	Solid	7471B	659322
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	7471B	659322
480-206289-5	P5M1-9 (25')	Total/NA	Solid	7471B	659322
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	7471B	659322
480-206289-7	P5M1-8 (29')	Total/NA	Solid	7471B	659322
480-206289-8	P5M1-8 (31')	Total/NA	Solid	7471B	659322
480-206289-10	WC20 (33')	Total/NA	Solid	7471B	659322
480-206289-12	WC21 (7')	Total/NA	Solid	7471B	659322
480-206289-13	WC21 (10')	Total/NA	Solid	7471B	659322
480-206289-14	WC21 (37')	Total/NA	Solid	7471B	659322
MB 480-659322/1-A	Method Blank	Total/NA	Solid	7471B	659322
LCSSRM 480-659322/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	659322

Analysis Batch: 659655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	6010C	659173
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	6010C	659173
480-206289-3	P5M2-9 (30')	Total/NA	Solid	6010C	659173
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	6010C	659173
480-206289-5	P5M1-9 (25')	Total/NA	Solid	6010C	659173
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	6010C	659173
480-206289-7	P5M1-8 (29')	Total/NA	Solid	6010C	659173
480-206289-8	P5M1-8 (31')	Total/NA	Solid	6010C	659173
480-206289-10	WC20 (33')	Total/NA	Solid	6010C	659173
480-206289-12	WC21 (7')	Total/NA	Solid	6010C	659173
480-206289-13	WC21 (10')	Total/NA	Solid	6010C	659173
480-206289-14	WC21 (37')	Total/NA	Solid	6010C	659173
MB 480-659173/1-A	Method Blank	Total/NA	Solid	6010C	659173
LCSSRM 480-659173/2-A	Lab Control Sample	Total/NA	Solid	6010C	659173

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Metals

Leach Batch: 660575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-3	P5M2-9 (30')	TCLP	Solid	1311	
LB2 480-660575/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 660684

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-3	P5M2-9 (30')	TCLP	Solid	3010A	660575
LB2 480-660575/1-B	Method Blank	TCLP	Solid	3010A	660575
MB 480-660684/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-660684/3-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 480-660684/4-A	Lab Control Sample Dup	Total/NA	Solid	3010A	

Analysis Batch: 660971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-3	P5M2-9 (30')	TCLP	Solid	6010C	660684
LB2 480-660575/1-B	Method Blank	TCLP	Solid	6010C	660684
MB 480-660684/2-A	Method Blank	Total/NA	Solid	6010C	660684
LCS 480-660684/3-A	Lab Control Sample	Total/NA	Solid	6010C	660684
LCSD 480-660684/4-A	Lab Control Sample Dup	Total/NA	Solid	6010C	660684

General Chemistry

Analysis Batch: 659184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206289-1	P5M2-8 (4-6')	Total/NA	Solid	Moisture	
480-206289-2	P5M2-9 (0-4')	Total/NA	Solid	Moisture	
480-206289-3	P5M2-9 (30')	Total/NA	Solid	Moisture	
480-206289-4	P5M1-9 (0-4')	Total/NA	Solid	Moisture	
480-206289-5	P5M1-9 (25')	Total/NA	Solid	Moisture	
480-206289-6	P5M1-8 (0-4')	Total/NA	Solid	Moisture	
480-206289-7	P5M1-8 (29')	Total/NA	Solid	Moisture	
480-206289-8	P5M1-8 (31')	Total/NA	Solid	Moisture	
480-206289-10	WC20 (33')	Total/NA	Solid	Moisture	
480-206289-12	WC21 (7')	Total/NA	Solid	Moisture	
480-206289-13	WC21 (10')	Total/NA	Solid	Moisture	
480-206289-14	WC21 (37')	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M2-8 (4-6')
Date Collected: 02/14/23 09:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M2-8 (4-6')
Date Collected: 02/14/23 09:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-1
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 15:59
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 17:17
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 18:52
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 14:36
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 09:59

Client Sample ID: P5M2-9 (0-4')
Date Collected: 02/14/23 12:37
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M2-9 (0-4')
Date Collected: 02/14/23 12:37
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-2
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 16:22
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 17:31
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 18:56
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 14:40
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:00

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M2-9 (30')
Date Collected: 02/14/23 14:00
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
TCLP	Leach	1311			660575	BML	EET BUF	03/06/23 11:25 - 03/07/23 09:47 [1]
TCLP	Prep	3010A			660684	VAK	EET BUF	03/07/23 10:23
TCLP	Analysis	6010C		1	660971	LMH	EET BUF	03/08/23 13:05
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M2-9 (30')
Date Collected: 02/14/23 14:00
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-3
Matrix: Solid
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 16:45
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 17:44
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:00
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 14:55
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:02

Client Sample ID: P5M1-9 (0-4')
Date Collected: 02/14/23 14:50
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M1-9 (0-4')
Date Collected: 02/14/23 14:50
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-4
Matrix: Solid
Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 17:09
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 17:57
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:04
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 14:59
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:03

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M1-9 (25')

Lab Sample ID: 480-206289-5

Date Collected: 02/14/23 15:40
Matrix: Solid
Date Received: 02/17/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M1-9 (25')

Lab Sample ID: 480-206289-5

Date Collected: 02/14/23 15:40
Matrix: Solid
Date Received: 02/17/23 09:20
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 17:32
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 18:10
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:08
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:03
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:04

Client Sample ID: P5M1-8 (0-4')

Lab Sample ID: 480-206289-6

Date Collected: 02/14/23 16:10
Matrix: Solid
Date Received: 02/17/23 09:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M1-8 (0-4')

Lab Sample ID: 480-206289-6

Date Collected: 02/14/23 16:10
Matrix: Solid
Date Received: 02/17/23 09:20
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 17:55
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 18:24
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:12
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:07
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:06

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: P5M1-8 (29')
Date Collected: 02/14/23 18:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M1-8 (29')
Date Collected: 02/14/23 18:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-7
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		2	659405	ATG	EET BUF	02/21/23 18:18
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 18:37
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:16
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:11
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:07

Client Sample ID: P5M1-8 (31')
Date Collected: 02/14/23 18:20
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: P5M1-8 (31')
Date Collected: 02/14/23 18:20
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-8
Matrix: Solid
Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 18:41
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 18:50
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:32
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:15
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:08

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC20 (33')

Date Collected: 02/15/23 14:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: WC20 (33')

Date Collected: 02/15/23 14:15
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-10

Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 19:28
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 19:17
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:40
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:23
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:14

Client Sample ID: WC21 (7')

Date Collected: 02/15/23 14:58
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: WC21 (7')

Date Collected: 02/15/23 14:58
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-12

Matrix: Solid
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 20:15
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 20:10
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:48
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:43
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:16

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Client Sample ID: WC21 (10')
Date Collected: 02/15/23 15:05
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: WC21 (10')
Date Collected: 02/15/23 15:05
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-13
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 20:38
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 20:23
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:52
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:47
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:17

Client Sample ID: WC21 (37')
Date Collected: 02/15/23 16:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	659184	KER	EET BUF	02/17/23 15:57

Client Sample ID: WC21 (37')
Date Collected: 02/15/23 16:30
Date Received: 02/17/23 09:20

Lab Sample ID: 480-206289-14
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			659388	AXK	EET BUF	02/21/23 10:23
Total/NA	Analysis	8260C		1	659405	ATG	EET BUF	02/21/23 21:01
Total/NA	Prep	3550C			659216	VXF	EET BUF	02/20/23 06:01
Total/NA	Analysis	8082A		1	659422	W1T	EET BUF	02/21/23 20:37
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659516	LMH	EET BUF	02/21/23 19:56
Total/NA	Prep	3050B			659173	VAK	EET BUF	02/20/23 11:35
Total/NA	Analysis	6010C		1	659655	LMH	EET BUF	02/22/23 15:51
Total/NA	Prep	7471B			659322	NVK	EET BUF	02/21/23 09:46
Total/NA	Analysis	7471B		1	659541	NVK	EET BUF	02/22/23 10:19

[1] Completion dates and times are reported or not reported per method requirements or individual lab discretion.

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-206289-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
1311	TCLP Extraction	SW846	EET BUF
3010A	Preparation, Total Metals	SW846	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206289-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206289-1	P5M2-8 (4-6')	Solid	02/14/23 09:30	02/17/23 09:20
480-206289-2	P5M2-9 (0-4')	Solid	02/14/23 12:37	02/17/23 09:20
480-206289-3	P5M2-9 (30')	Solid	02/14/23 14:00	02/17/23 09:20
480-206289-4	P5M1-9 (0-4')	Solid	02/14/23 14:50	02/17/23 09:20
480-206289-5	P5M1-9 (25')	Solid	02/14/23 15:40	02/17/23 09:20
480-206289-6	P5M1-8 (0-4')	Solid	02/14/23 16:10	02/17/23 09:20
480-206289-7	P5M1-8 (29')	Solid	02/14/23 18:15	02/17/23 09:20
480-206289-8	P5M1-8 (31')	Solid	02/14/23 18:20	02/17/23 09:20
480-206289-10	WC20 (33')	Solid	02/15/23 14:15	02/17/23 09:20
480-206289-12	WC21 (7')	Solid	02/15/23 14:58	02/17/23 09:20
480-206289-13	WC21 (10')	Solid	02/15/23 15:05	02/17/23 09:20
480-206289-14	WC21 (37')	Solid	02/15/23 16:30	02/17/23 09:20

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-206289-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins Environment Testing

Client Information	Sampler: Eric Dellaro	Lab PM: Proulx, Katelyn M	Carrier Tracking No(s):	COC No: 480-182156-38489.6
Client Contact: Ryan Baeten	Phone: 608 444-3934	E-Mail: Katelyn.Proulx@et.eurofinsus.com	State of Origin:	Page: Page 6 of 6
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			
City: Menomonee Falls	TAT Requested (days): 5 days			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: rbaeten@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site: Wisconsin	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	6010C, 7471B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
P5M2-8 (4-6')	2/14/23	9:30	G	Solid			✓	✓	✓		
P5M2-9 (0-4')	2/14/23	12:37	G	Solid							
P5M2-9 (30')	2/14/23	14:00	G	Solid							
P5M1-9 (0-4')	2/14/23	14:50	G	Solid							
P5M1-9 (25')	2/14/23	15:40	G	Solid							
P5M1-8 (0-4')	2/14/23	16:00	G								
P5M1-8 (29')	2/14/23	18:15	G								
P5M1-8 (31')	2/14/23	18:20	G								

480-206289 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Eric Dellaro	2/15/2023 19:30	SCS	[illegible]	2/17/23 920	TA
2						
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.8 2nd # ICE

Ver: 06/08/2021

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Eric Oakes	Lab PM: Proulx, Katelyn M	Carrier Tracking No(s):	COC No: 480-182156-38489.2
Client Contact: Ryan Baeten	Phone: 608 444-3934	E-Mail: Katelyn.Proulx@et.eurofinsus.com	State of Origin:	Page: Page 2 of 6
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			
City: Menomonee Falls	TAT Requested (days): 5 days			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: rbaeten@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site: Wisconsin	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	6010C, 7471B	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
WC 20 (2-4')	2/15/23	11:30	G	Solid							
WC 20 (33')	2	14:15		Solid							
WC21 (2')		14:45		Solid							
WC21 (7')		14:58		Solid							
WC21 (10')		15:05		Solid							
WC21 (37')		16:30		Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Eric Oakes	2/15/2023 19:30		[signature]	2/17/23 920	TA
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.8 2.7 # ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-206289-1

Login Number: 206289
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	scs
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 3/20/2023 2:01:24 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-206857-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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3/20/2023 2:01:24 PM

Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Job ID: 480-206857-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-206857-1

Comments
No additional comments.

Receipt
The samples were received on 3/11/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661369 recovered outside acceptance criteria, low biased, for 1,2,4-Trichlorobenzene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-661369 recovered outside acceptance criteria, low biased, for 1,2,3-Trichlorobenzene and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-661369 was outside the method criteria for the following analyte(s): Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: P5M1-1 (480-206857-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: P5M2-1 (480-206857-2). Elevated reporting limits (RLs) are provided.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Client Sample ID: P5M1-1 — Lab Sample ID: 480-206857-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	570		53	15	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	140		53	16	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	68		53	7.4	ug/Kg	1	☼	8260C	Total/NA
p-Isopropyltoluene	20	J	53	18	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	56		53	7.0	ug/Kg	1	☼	8260C	Total/NA
cis-1,2-Dichloroethene	49	J	53	15	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	450		53	15	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	120		53	7.9	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	2800		110	29	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	69	^c	53	18	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	99		53	15	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	120		53	14	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	910		53	6.9	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	40	J	53	19	ug/Kg	1	☼	8260C	Total/NA
Toluene	440		53	14	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	3700		110	29	ug/Kg	1	☼	8260C	Total/NA
Arsenic	0.77	J	2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	17.4		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.26		0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.5		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	7.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	5.5	J	23.7	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-1 — Lab Sample ID: 480-206857-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	330000		49000	14000	ug/Kg	800	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	80000		49000	15000	ug/Kg	800	☼	8260C	Total/NA
cis-1,2-Dichloroethene	85000		49000	14000	ug/Kg	800	☼	8260C	Total/NA
Ethylbenzene	420000		49000	14000	ug/Kg	800	☼	8260C	Total/NA
Isopropylbenzene	28000	J	49000	7400	ug/Kg	800	☼	8260C	Total/NA
Methylene Chloride	21000	J B	49000	9800	ug/Kg	800	☼	8260C	Total/NA
m&p-Xylene	2500000		98000	27000	ug/Kg	800	☼	8260C	Total/NA
Naphthalene	28000	J ^c	49000	17000	ug/Kg	800	☼	8260C	Total/NA
n-Butylbenzene	42000	J	49000	14000	ug/Kg	800	☼	8260C	Total/NA
N-Propylbenzene	54000		49000	13000	ug/Kg	800	☼	8260C	Total/NA
o-Xylene	780000		49000	6400	ug/Kg	800	☼	8260C	Total/NA
Toluene	650000		49000	13000	ug/Kg	800	☼	8260C	Total/NA
Xylenes, Total	3300000		98000	27000	ug/Kg	800	☼	8260C	Total/NA
PCB-1248	1600		290	57	ug/Kg	1	☼	8082A	Total/NA
PCB-1260	1800		290	140	ug/Kg	1	☼	8082A	Total/NA
Arsenic	8.0		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	95.4		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.54		0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	25.1		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	18.5		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	42.8		23.1	5.3	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Client Sample ID: P5M1-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-1
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1,1-Trichloroethane	<15		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1,2,2-Tetrachloroethane	<8.6		53	8.6	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1,2-Trichloroethane	<11		53	11	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1-Dichloroethane	<16		53	16	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1-Dichloroethene	<18		53	18	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,1-Dichloropropene	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2,3-Trichlorobenzene	<24	^c	53	24	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2,3-Trichloropropane	<12		53	12	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2,4-Trichlorobenzene	<20	^c	53	20	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2,4-Trimethylbenzene	**570**		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2-Dibromo-3-Chloropropane	<26		53	26	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2-Dichlorobenzene	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2-Dichloroethane	<22		53	22	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2-Dichloropropane	<8.6		53	8.6	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,3,5-Trimethylbenzene	**140**		53	16	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,3-Dichlorobenzene	<14		53	14	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,3-Dichloropropane	<9.6		53	9.6	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,4-Dichlorobenzene	**68**		53	7.4	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
2,2-Dichloropropane	<12		53	12	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
2-Chlorotoluene	<20		53	20	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
4-Chlorotoluene	<11		53	11	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
p-Isopropyltoluene	**20**	**J**	53	18	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Benzene	<10		53	10	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Bromobenzene	<12		53	12	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Bromoform	<26		53	26	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Bromomethane	<12		53	12	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Carbon tetrachloride	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Chlorobenzene	**56**		53	7.0	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Bromochloromethane	<19		53	19	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Dibromochloromethane	<26		53	26	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Chloroethane	<11		53	11	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Chloroform	<36		53	36	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Chloromethane	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
cis-1,2-Dichloroethene	**49**	**J**	53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Dibromomethane	<17		53	17	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Bromodichloromethane	<11		53	11	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Dichlorodifluoromethane	<23		53	23	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Ethylbenzene	**450**		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
1,2-Dibromoethane	<9.3		53	9.3	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Hexachlorobutadiene	<21	^c	53	21	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Isopropyl ether	<28		53	28	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Isopropylbenzene	**120**		53	7.9	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Methyl tert-butyl ether	<20		53	20	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Methylene Chloride	<10		53	10	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
m&p-Xylene	**2800**		110	29	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Naphthalene	**69**	**^c**	53	18	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
n-Butylbenzene	**99**		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
N-Propylbenzene	**120**		53	14	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1

Client Sample ID: P5M1-1

Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-1

Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**910**		53	6.9	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
sec-Butylbenzene	**40**	**J**	53	19	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Tetrachloroethene	<7.1		53	7.1	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Toluene	**440**		53	14	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
trans-1,2-Dichloroethene	<12		53	12	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
trans-1,3-Dichloropropene	<5.2		53	5.2	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Trichloroethene	<15		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Trichlorofluoromethane	<25		53	25	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Vinyl chloride	<18		53	18	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Xylenes, Total	**3700**		110	29	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
cis-1,3-Dichloropropene	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
Styrene	<13		53	13	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1
tert-Butylbenzene	<15		53	15	ug/Kg	☼	03/14/23 11:40	03/14/23 20:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*03/14/23 11:40*	*03/14/23 20:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*03/14/23 11:40*	*03/14/23 20:49*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*03/14/23 11:40*	*03/14/23 20:49*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*03/14/23 11:40*	*03/14/23 20:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<46		230	46	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1221	<46		230	46	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1232	<46		230	46	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1242	<46		230	46	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1248	<46		230	46	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1254	<110		230	110	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1
PCB-1260	<110		230	110	ug/Kg	☼	03/14/23 09:18	03/16/23 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*136*		*60 - 154*	*03/14/23 09:18*	*03/16/23 16:07*	*1*
DCB Decachlorobiphenyl	*139*		*65 - 174*	*03/14/23 09:18*	*03/16/23 16:07*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Arsenic	**0.77**	**J**	2.4	0.49	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Barium	**17.4**		0.61	0.13	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Cadmium	**0.26**		0.24	0.037	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Chromium	**6.5**		0.61	0.24	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Lead	**7.2**		1.2	0.29	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	03/13/23 13:11	03/14/23 16:12	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**5.5**	**J**	23.7	5.5	ug/Kg	☼	03/14/23 10:52	03/14/23 13:58	1

Client Sample ID: P5M2-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-2
Matrix: Solid
Percent Solids: 83.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14000		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1,1-Trichloroethane	<14000		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1,2,2-Tetrachloroethane	<8000		49000	8000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1,2-Trichloroethane	<10000		49000	10000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1-Dichloroethane	<15000		49000	15000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1-Dichloroethene	<17000		49000	17000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,1-Dichloropropene	<12000		49000	12000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2,3-Trichlorobenzene	<23000	^c	49000	23000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2,3-Trichloropropane	<11000		49000	11000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2,4-Trichlorobenzene	<19000	^c	49000	19000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2,4-Trimethylbenzene	**330000**		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2-Dibromo-3-Chloropropane	<25000		49000	25000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2-Dichlorobenzene	<13000		49000	13000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2-Dichloroethane	<20000		49000	20000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2-Dichloropropane	<8000		49000	8000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,3,5-Trimethylbenzene	**80000**		49000	15000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,3-Dichlorobenzene	<13000		49000	13000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,3-Dichloropropane	<9000		49000	9000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,4-Dichlorobenzene	<6900		49000	6900	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
2,2-Dichloropropane	<11000		49000	11000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
2-Chlorotoluene	<19000		49000	19000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
4-Chlorotoluene	<10000		49000	10000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
p-Isopropyltoluene	<17000		49000	17000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Benzene	<9400		49000	9400	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Bromobenzene	<11000		49000	11000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Bromoform	<25000		49000	25000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Bromomethane	<11000		49000	11000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Carbon tetrachloride	<13000		49000	13000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Chlorobenzene	<6500		49000	6500	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Bromochloromethane	<18000		49000	18000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Dibromochloromethane	<24000		49000	24000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Chloroethane	<10000		49000	10000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Chloroform	<34000		49000	34000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Chloromethane	<12000		49000	12000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
cis-1,2-Dichloroethene	**85000**		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Dibromomethane	<16000		49000	16000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Bromodichloromethane	<9800		49000	9800	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Dichlorodifluoromethane	<21000		49000	21000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Ethylbenzene	**420000**		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
1,2-Dibromoethane	<8600		49000	8600	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Hexachlorobutadiene	<20000	^c	49000	20000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Isopropyl ether	<26000		49000	26000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Isopropylbenzene	**28000**	**J**	49000	7400	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Methyl tert-butyl ether	<19000		49000	19000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Methylene Chloride	**21000**	**J B**	49000	9800	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
m&p-Xylene	**2500000**		98000	27000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Naphthalene	**28000**	**J ^c**	49000	17000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
n-Butylbenzene	**42000**	**J**	49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
N-Propylbenzene	**54000**		49000	13000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800

Client Sample ID: P5M2-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-2
Matrix: Solid
Percent Solids: 83.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**780000**		49000	6400	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
sec-Butylbenzene	<18000		49000	18000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Tetrachloroethene	<6600		49000	6600	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Toluene	**650000**		49000	13000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
trans-1,2-Dichloroethene	<12000		49000	12000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
trans-1,3-Dichloropropene	<4800		49000	4800	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Trichloroethene	<14000		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Trichlorofluoromethane	<23000		49000	23000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Vinyl chloride	<16000		49000	16000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Xylenes, Total	**3300000**		98000	27000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
cis-1,3-Dichloropropene	<12000		49000	12000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
Styrene	<12000		49000	12000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800
tert-Butylbenzene	<14000		49000	14000	ug/Kg	☼	03/14/23 11:40	03/14/23 21:12	800

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/14/23 11:40*	*03/14/23 21:12*	*800*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*03/14/23 11:40*	*03/14/23 21:12*	*800*
Toluene-d8 (Surr)	*90*		*50 - 149*	*03/14/23 11:40*	*03/14/23 21:12*	*800*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*03/14/23 11:40*	*03/14/23 21:12*	*800*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<57		290	57	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1221	<57		290	57	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1232	<57		290	57	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1242	<57		290	57	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1248	**1600**		290	57	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1254	<140		290	140	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1
PCB-1260	**1800**		290	140	ug/Kg	☼	03/14/23 09:30	03/16/23 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*03/14/23 09:30*	*03/16/23 16:20*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*03/14/23 09:30*	*03/16/23 16:20*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.75	0.25	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Arsenic	**8.0**		2.5	0.50	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Barium	**95.4**		0.62	0.14	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Cadmium	**0.54**		0.25	0.037	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Chromium	**25.1**		0.62	0.25	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Lead	**18.5**		1.2	0.30	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	03/13/23 13:11	03/14/23 16:16	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42.8**		23.1	5.3	ug/Kg	☼	03/14/23 10:52	03/14/23 14:02	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-206857-1	P5M1-1	94	98	99	90
480-206857-2	P5M2-1	95	93	90	90
LCS 480-661447/1-A	Lab Control Sample	94	101	96	94
MB 480-661447/3-A	Method Blank	95	96	95	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-206857-1	P5M1-1	136	139
480-206857-2	P5M2-1	106	130
LCS 480-661381/2-A	Lab Control Sample	140	144
MB 480-661381/1-A	Method Blank	145	154

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-661447/3-A
Matrix: Solid
Analysis Batch: 661369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661447

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1-Dichloroethane	<31		100	31	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1-Dichloroethene	<35		100	35	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,1-Dichloropropene	<25		100	25	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2-Dichloroethane	<41		100	41	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2-Dichloropropane	<16		100	16	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,3-Dichloropropane	<18		100	18	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
2,2-Dichloropropane	<23		100	23	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
2-Chlorotoluene	<38		100	38	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
4-Chlorotoluene	<20		100	20	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
p-Isopropyltoluene	<34		100	34	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Benzene	<19		100	19	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Bromobenzene	<22		100	22	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Bromoform	<50		100	50	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Bromomethane	<22		100	22	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Carbon tetrachloride	<26		100	26	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Chlorobenzene	<13		100	13	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Bromochloromethane	<36		100	36	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Dibromochloromethane	<48		100	48	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Chloroethane	<21		100	21	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Chloroform	<69		100	69	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Chloromethane	<24		100	24	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Dibromomethane	<33		100	33	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Bromodichloromethane	<20		100	20	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Ethylbenzene	<29		100	29	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
1,2-Dibromoethane	<18		100	18	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Hexachlorobutadiene	<40		100	40	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Isopropyl ether	<53		100	53	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Isopropylbenzene	<15		100	15	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Methylene Chloride	40.4	J	100	20	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
m&p-Xylene	<55		200	55	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Naphthalene	<34		100	34	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
n-Butylbenzene	<29		100	29	ug/Kg		03/14/23 11:40	03/14/23 19:17	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-661447/3-A
Matrix: Solid
Analysis Batch: 661369

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661447

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
o-Xylene	<13		100	13	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
sec-Butylbenzene	<37		100	37	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Tetrachloroethene	<13		100	13	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Toluene	<27		100	27	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Trichloroethene	<28		100	28	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Trichlorofluoromethane	<47		100	47	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Vinyl chloride	<34		100	34	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Xylenes, Total	<55		200	55	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
Styrene	<24		100	24	ug/Kg		03/14/23 11:40	03/14/23 19:17	1
tert-Butylbenzene	<28		100	28	ug/Kg		03/14/23 11:40	03/14/23 19:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/14/23 11:40*	*03/14/23 19:17*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*03/14/23 11:40*	*03/14/23 19:17*	*1*
Toluene-d8 (Surr)	*95*		*50 - 149*	*03/14/23 11:40*	*03/14/23 19:17*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*03/14/23 11:40*	*03/14/23 19:17*	*1*

Lab Sample ID: LCS 480-661447/1-A
Matrix: Solid
Analysis Batch: 661369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2270		ug/Kg		91	78 - 120
1,1,1-Trichloroethane	2500	2400		ug/Kg		96	68 - 130
1,1,2,2-Tetrachloroethane	2500	2290		ug/Kg		92	73 - 120
1,1,2-Trichloroethane	2500	2340		ug/Kg		93	80 - 120
1,1-Dichloroethane	2500	2430		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2140		ug/Kg		86	48 - 133
1,1-Dichloropropene	2500	2460		ug/Kg		99	75 - 121
1,2,3-Trichlorobenzene	2500	2010		ug/Kg		81	57 - 150
1,2,3-Trichloropropane	2500	2530		ug/Kg		101	75 - 120
1,2,4-Trichlorobenzene	2500	2170		ug/Kg		87	70 - 140
1,2,4-Trimethylbenzene	2500	2430		ug/Kg		97	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2080		ug/Kg		83	56 - 122
1,2-Dichlorobenzene	2500	2360		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2350		ug/Kg		94	74 - 127
1,2-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,3,5-Trimethylbenzene	2500	2500		ug/Kg		100	79 - 120
1,3-Dichlorobenzene	2500	2500		ug/Kg		100	80 - 120
1,3-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,4-Dichlorobenzene	2500	2430		ug/Kg		97	80 - 120
2,2-Dichloropropane	2500	1850		ug/Kg		74	58 - 142
2-Chlorotoluene	2500	2490		ug/Kg		100	72 - 122
4-Chlorotoluene	2500	2640		ug/Kg		105	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-661447/1-A
Matrix: Solid
Analysis Batch: 661369

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661447

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2450		ug/Kg		98	80 - 120
Benzene	2500	2420		ug/Kg		97	77 - 125
Bromobenzene	2500	2700		ug/Kg		108	78 - 120
Bromoform	2500	2360		ug/Kg		94	48 - 125
Bromomethane	2500	1800		ug/Kg		72	39 - 149
Carbon tetrachloride	2500	2490		ug/Kg		100	54 - 135
Chlorobenzene	2500	2420		ug/Kg		97	76 - 126
Bromochloromethane	2500	2340		ug/Kg		94	79 - 120
Dibromochloromethane	2500	2420		ug/Kg		97	64 - 120
Chloroethane	2500	1830		ug/Kg		73	23 - 150
Chloroform	2500	2210		ug/Kg		88	78 - 120
Chloromethane	2500	2240		ug/Kg		90	61 - 124
cis-1,2-Dichloroethene	2500	2310		ug/Kg		92	79 - 124
Dibromomethane	2500	2450		ug/Kg		98	79 - 120
Bromodichloromethane	2500	2290		ug/Kg		92	71 - 121
Dichlorodifluoromethane	2500	2200		ug/Kg		88	10 - 150
Ethylbenzene	2500	2410		ug/Kg		96	78 - 124
1,2-Dibromoethane	2500	2370		ug/Kg		95	80 - 120
Hexachlorobutadiene	2500	2050		ug/Kg		82	61 - 149
Isopropylbenzene	2500	2540		ug/Kg		102	76 - 120
Methyl tert-butyl ether	2500	2220		ug/Kg		89	67 - 137
Methylene Chloride	2500	2080		ug/Kg		83	75 - 118
m&p-Xylene	2500	2460		ug/Kg		98	77 - 125
Naphthalene	2500	1930		ug/Kg		77	65 - 142
n-Butylbenzene	2500	2410		ug/Kg		97	80 - 120
N-Propylbenzene	2500	2580		ug/Kg		103	76 - 120
o-Xylene	2500	2440		ug/Kg		97	80 - 124
sec-Butylbenzene	2500	2430		ug/Kg		97	79 - 120
Tetrachloroethene	2500	2530		ug/Kg		101	73 - 133
Toluene	2500	2420		ug/Kg		97	75 - 124
trans-1,2-Dichloroethene	2500	2330		ug/Kg		93	74 - 129
trans-1,3-Dichloropropene	2500	2300		ug/Kg		92	73 - 120
Trichloroethene	2500	2530		ug/Kg		101	75 - 131
Trichlorofluoromethane	2500	2360		ug/Kg		94	29 - 158
Vinyl chloride	2500	2230		ug/Kg		89	59 - 124
cis-1,3-Dichloropropene	2500	2330		ug/Kg		93	75 - 121
Styrene	2500	2440		ug/Kg		98	80 - 120
tert-Butylbenzene	2500	2510		ug/Kg		100	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Toluene-d8 (Surr)	*96*		*50 - 149*
Dibromofluoromethane (Surr)	*94*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-661381/1-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661381

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		200	39	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1221	<39		200	39	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1232	<39		200	39	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1242	<39		200	39	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1248	<39		200	39	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1254	<94		200	94	ug/Kg		03/14/23 09:14	03/16/23 15:40	1
PCB-1260	<94		200	94	ug/Kg		03/14/23 09:14	03/16/23 15:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*145*		*60 - 154*	*03/14/23 09:14*	*03/16/23 15:40*	*1*
DCB Decachlorobiphenyl	*154*		*65 - 174*	*03/14/23 09:14*	*03/16/23 15:40*	*1*

Lab Sample ID: LCS 480-661381/2-A
Matrix: Solid
Analysis Batch: 661668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661381

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2000	3210		ug/Kg		160	51 - 185		
PCB-1260			2000	2800		ug/Kg		140	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*140*		*60 - 154*
DCB Decachlorobiphenyl	*144*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-661318/1-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661318

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.58	0.19	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Arsenic	<0.39		1.9	0.39	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Barium	<0.11		0.49	0.11	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Cadmium	<0.029		0.19	0.029	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Chromium	<0.19		0.49	0.19	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Lead	<0.23		0.97	0.23	mg/Kg		03/13/23 13:11	03/14/23 14:30	1
Selenium	<0.39		3.9	0.39	mg/Kg		03/13/23 13:11	03/14/23 14:30	1

Lab Sample ID: LCDSRM 480-661318/3-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661318

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver			87.5	72.22		mg/Kg		82.5	63.7 - 115.4	4	20
Arsenic			129	103.7		mg/Kg		80.4	60.9 - 113.2	4	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-661318/3-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	169	157.3		mg/Kg		93.1	68.6 - 114.2	3	20
Cadmium	227	172.5		mg/Kg		76.0	64.8 - 110.1	4	20
Chromium	115	93.60		mg/Kg		81.4	62.4 - 115.7	5	20
Lead	74.8	82.74		mg/Kg		110.6	67.0 - 128.9	2	20
Selenium	246	187.6		mg/Kg		76.2	60.2 - 114.6	5	20

Lab Sample ID: LCSSRM 480-661318/2-A
Matrix: Solid
Analysis Batch: 661551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661318

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	75.36		mg/Kg		86.1	63.7 - 115.4
Arsenic	129	108.0		mg/Kg		83.7	60.9 - 113.2
Barium	169	153.0		mg/Kg		90.5	68.6 - 114.2
Cadmium	227	180.2		mg/Kg		79.4	64.8 - 110.1
Chromium	115	97.95		mg/Kg		85.2	62.4 - 115.7
Lead	74.8	84.56		mg/Kg		113.1	67.0 - 128.9
Selenium	246	197.2		mg/Kg		80.2	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-661280/1-A
Matrix: Solid
Analysis Batch: 661467

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 661280

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		19.9	4.6	ug/Kg		03/14/23 10:52	03/14/23 13:31	1

Lab Sample ID: LCSSRM 480-661280/2-A ^10
Matrix: Solid
Analysis Batch: 661467

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 661280

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	11470		ug/Kg		55.4	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

GC/MS VOA

Analysis Batch: 661369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	8260C	661447
480-206857-2	P5M2-1	Total/NA	Solid	8260C	661447
MB 480-661447/3-A	Method Blank	Total/NA	Solid	8260C	661447
LCS 480-661447/1-A	Lab Control Sample	Total/NA	Solid	8260C	661447

Prep Batch: 661447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	5035A_H	
480-206857-2	P5M2-1	Total/NA	Solid	5035A_H	
MB 480-661447/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-661447/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC Semi VOA

Prep Batch: 661381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	3550C	
480-206857-2	P5M2-1	Total/NA	Solid	3550C	
MB 480-661381/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 661668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	8082A	661381
480-206857-2	P5M2-1	Total/NA	Solid	8082A	661381
MB 480-661381/1-A	Method Blank	Total/NA	Solid	8082A	661381
LCS 480-661381/2-A	Lab Control Sample	Total/NA	Solid	8082A	661381

Metals

Prep Batch: 661280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	7471B	
480-206857-2	P5M2-1	Total/NA	Solid	7471B	
MB 480-661280/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-661280/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 661318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	3050B	
480-206857-2	P5M2-1	Total/NA	Solid	3050B	
MB 480-661318/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-661318/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-661318/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 661467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	7471B	661280
480-206857-2	P5M2-1	Total/NA	Solid	7471B	661280
MB 480-661280/1-A	Method Blank	Total/NA	Solid	7471B	661280
LCSSRM 480-661280/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	661280

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Metals

Analysis Batch: 661551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	6010C	661318
480-206857-2	P5M2-1	Total/NA	Solid	6010C	661318
MB 480-661318/1-A	Method Blank	Total/NA	Solid	6010C	661318
LCDSRM 480-661318/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	661318
LCSSRM 480-661318/2-A	Lab Control Sample	Total/NA	Solid	6010C	661318

General Chemistry

Analysis Batch: 661477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-206857-1	P5M1-1	Total/NA	Solid	Moisture	
480-206857-2	P5M2-1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Client Sample ID: P5M1-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: P5M1-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-1
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			661447	AXK	EET BUF	03/14/23 11:40
Total/NA	Analysis	8260C		1	661369	LCH	EET BUF	03/14/23 20:49
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:18
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 16:07
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 16:12
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 13:58

Client Sample ID: P5M2-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	661477	JMM	EET BUF	03/14/23 15:36

Client Sample ID: P5M2-1
Date Collected: 03/09/23 10:00
Date Received: 03/11/23 10:00

Lab Sample ID: 480-206857-2
Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			661447	AXK	EET BUF	03/14/23 11:40
Total/NA	Analysis	8260C		800	661369	LCH	EET BUF	03/14/23 21:12
Total/NA	Prep	3550C			661381	VXF	EET BUF	03/14/23 09:30
Total/NA	Analysis	8082A		1	661668	W1T	EET BUF	03/16/23 16:20
Total/NA	Prep	3050B			661318	NVK	EET BUF	03/13/23 13:11
Total/NA	Analysis	6010C		1	661551	LMH	EET BUF	03/14/23 16:16
Total/NA	Prep	7471B			661280	NVK	EET BUF	03/14/23 10:52
Total/NA	Analysis	7471B		1	661467	NVK	EET BUF	03/14/23 14:02

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-206857-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-206857-1	P5M1-1	Solid	03/09/23 10:00	03/11/23 10:00
480-206857-2	P5M2-1	Solid	03/09/23 10:00	03/11/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-206857-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information			
Client Contact: Ryan Baeten	Sampler: Colin Gloede	Lab PM: Proulx, Katelyn M	Carrier Tracking No(s):
Company: Waste Management	Phone: 608 419-5420	E-Mail: Katelyn.Proulx@et.eurofinsus.com	State of Origin:
Address: W124 N9355 Boundary Road	PWSID:		COC No: 480-180714-38489.2
City: Menomonee Falls	Due Date Requested:		Page: Page 2 of 2
State, Zip: WI, 53051	TAT Requested (days): 5 days		Job #:
Phone:	Compliance Project: Δ Yes Δ No		
Email: rbaeten@wm.com	PO #: Purchase Order Requested		
Project Name: Orchard Ridge-Boundary Rd	WO #:		
Site: Wisconsin	Project #: 48025931		
	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3

480-206857 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N		
PSM1-1	3/9/23	10:00	G	Solid	N	N	✓	✓	3	3.2 PPM VOC
PSM2-1	3/9/23	10:00	G	Solid	N	N	✓	✓		1018 PPM VOC strong gas smell
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						
				Solid						

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ______ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: Date: Time:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	3/10/23 17:25	SCS	[signature]	3/11/23 1000	TAB
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: 1270281
Cooler Temperature(s) °C and Other Remarks: #1 [illegible]

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-206857-1

Login Number: 206857
List Number: 1
Creator: Wallace, Cameron

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 3/11/23 1200
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 4/11/2023 4:50:57 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-207437-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Buffalo and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Buffalo Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Reported value was between the limit of detection and the limit of quantitation.
X	Surrogate recovery exceeds control limits

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-207437-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-207437-1

Comments
No additional comments.

Receipt
The samples were received on 4/3/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.6º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis: P5M1-4 (480-207437-1), P5M2-4 (480-207437-2), P5M1-11A (480-207437-3), P5M1-11B (480-207437-4), P5M1-12A (480-207437-5), P5M1-12B (480-207437-6), P5M1-13A (480-207437-7), P5M1-13B (480-207437-8), P5M1-14A (480-207437-9), P5M1-14B (480-207437-10), P5M1-3 (480-207437-12) and P5M1-5 (480-207437-13). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: P5M1-2 (480-207437-11), (480-207437-C-11-A MS) and (480-207437-C-11-A MSD). Elevated reporting limits (RLs) are provided.

Method 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-663843 and analytical batch 480-663814 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA
Method 8082A: Surrogate recovery for the following sample was outside the upper control limit: P5M1-4 (480-207437-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8082A: Surrogate recovery for the following samples were outside control limits: (480-207437-A-1-C MS) and (480-207437-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

Metals
Method 6010C: The following sample was diluted due to the nature of the sample matrix: P5M1-13B (480-207437-8). Elevated reporting limits (RLs) are provided.

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

Organic Prep
Method 3550C: The following sample: P5M1-12A (480-207437-5) was decanted prior to preparation .

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-4 — Lab Sample ID: 480-207437-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.5		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	24.6		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.15	J	0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.3		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.1		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	14.9	J	16.4	3.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-4 — Lab Sample ID: 480-207437-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	81	J	88	12	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	72	J	88	12	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	38	J	88	26	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	51	J	88	13	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	110	J	180	49	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	25	J	88	23	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	37	J	88	11	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	32	J	88	32	ug/Kg	1	☼	8260C	Total/NA
Toluene	26	J	88	24	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	150	J	180	49	ug/Kg	1	☼	8260C	Total/NA
Arsenic	1.5	J	2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	12.1		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.042	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	4.9		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	6.0		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.1	J	22.2	5.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-11A — Lab Sample ID: 480-207437-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.25	J	0.69	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	7.1		2.6	0.53	mg/Kg	1	☼	6010C	Total/NA
Barium	71.3		0.66	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.36		0.26	0.040	mg/Kg	1	☼	6010C	Total/NA
Chromium	18.9		0.66	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	18.0		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Mercury	47.2		26.2	6.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-11B — Lab Sample ID: 480-207437-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	110		51	14	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	23	J	51	15	ug/Kg	1	☼	8260C	Total/NA
p-Isopropyltoluene	32	J	51	17	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	87		51	15	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	43	J	51	7.7	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	340		100	28	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	230		51	17	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	22	J	51	15	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	76		51	13	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	230		51	6.6	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	20	J	51	19	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-11B (Continued) — Lab Sample ID: 480-207437-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Toluene	160		51	14	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	570		100	28	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.1	J	2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	12.3		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.22		0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.5		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	8.0		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.3	J	19.6	4.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-12A — Lab Sample ID: 480-207437-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.9	J	2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	12.5		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.13	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.0		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	5.6		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.9	J	10.5	2.4	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-12B — Lab Sample ID: 480-207437-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.1		1.9	0.38	mg/Kg	1	☼	6010C	Total/NA
Barium	10.8		0.47	0.10	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.19	0.028	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.1		0.47	0.19	mg/Kg	1	☼	6010C	Total/NA
Lead	8.6		0.94	0.23	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M1-13A — Lab Sample ID: 480-207437-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
m&p-Xylene	35	J	130	35	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	11	J	64	8.3	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	46	J	130	35	ug/Kg	1	☼	8260C	Total/NA
Silver	0.40	J	0.79	0.26	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.6		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Barium	97.6		0.65	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.23	J	0.26	0.039	mg/Kg	1	☼	6010C	Total/NA
Chromium	27.4		0.65	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	20.2		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA
Mercury	21.1	J	23.1	5.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-13B — Lab Sample ID: 480-207437-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Silver	0.54	J	0.73	0.24	mg/Kg	1	☼	6010C	Total/NA
Arsenic	10.4		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	166		1.2	0.27	mg/Kg	2	☼	6010C	Total/NA
Cadmium	0.55		0.24	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	33.7		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	26.6		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.2	J	4.9	0.49	mg/Kg	1	☼	6010C	Total/NA
Mercury	74.7		23.9	5.5	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-14A — Lab Sample ID: 480-207437-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	7.0	J	49	6.4	ug/Kg	1	☼	8260C	Total/NA
Silver	0.23	J	0.66	0.22	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.0		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	82.7		0.55	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.20	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	24.5		0.55	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	23.1		1.1	0.26	mg/Kg	1	☼	6010C	Total/NA
Mercury	94.4		16.6	3.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-14B — Lab Sample ID: 480-207437-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.0		2.6	0.52	mg/Kg	1	☼	6010C	Total/NA
Barium	111		0.65	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.19	J	0.26	0.039	mg/Kg	1	☼	6010C	Total/NA
Chromium	26.9		0.65	0.26	mg/Kg	1	☼	6010C	Total/NA
Lead	12.8		1.3	0.31	mg/Kg	1	☼	6010C	Total/NA
Mercury	30.5		25.2	5.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-2 — Lab Sample ID: 480-207437-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	27000	F1	560	160	ug/Kg	10	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	1300		560	170	ug/Kg	10	☼	8260C	Total/NA
p-Isopropyltoluene	1000		560	190	ug/Kg	10	☼	8260C	Total/NA
cis-1,2-Dichloroethene	680		560	150	ug/Kg	10	☼	8260C	Total/NA
Ethylbenzene	5800		560	160	ug/Kg	10	☼	8260C	Total/NA
Isopropylbenzene	2700		560	84	ug/Kg	10	☼	8260C	Total/NA
m&p-Xylene	19000		1100	310	ug/Kg	10	☼	8260C	Total/NA
Naphthalene	2600		560	190	ug/Kg	10	☼	8260C	Total/NA
n-Butylbenzene	4200		560	160	ug/Kg	10	☼	8260C	Total/NA
N-Propylbenzene	9700		560	150	ug/Kg	10	☼	8260C	Total/NA
o-Xylene	3900		560	72	ug/Kg	10	☼	8260C	Total/NA
sec-Butylbenzene	2400		560	210	ug/Kg	10	☼	8260C	Total/NA
Toluene	8200		560	150	ug/Kg	10	☼	8260C	Total/NA
Xylenes, Total	23000		1100	310	ug/Kg	10	☼	8260C	Total/NA
PCB-1242	120	J	210	41	ug/Kg	1	☼	8082A	Total/NA
Arsenic	2.4	J	2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	55.9		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.2		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	13.4		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	16.6	J	18.5	4.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-3 — Lab Sample ID: 480-207437-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	31	J	50	14	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	80		50	7.0	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	67		50	6.6	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	90		50	7.5	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	53	J	99	28	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client Sample ID: P5M1-3 (Continued)

Lab Sample ID: 480-207437-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
N-Propylbenzene	210		50	13	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	15	J	50	6.5	ug/Kg	1	☼	8260C	Total/NA
sec-Butylbenzene	30	J	50	18	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	68	J	99	28	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.6		2.2	0.44	mg/Kg	1	☼	6010C	Total/NA
Barium	12.7		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.17	J	0.22	0.033	mg/Kg	1	☼	6010C	Total/NA
Chromium	4.8		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	8.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	2.0	J	8.9	2.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-5

Lab Sample ID: 480-207437-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	19	J	51	14	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	50	J	51	7.1	ug/Kg	1	☼	8260C	Total/NA
Chlorobenzene	34	J	51	6.7	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	16	J	51	7.6	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	30	J	100	28	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	30	J	100	28	ug/Kg	1	☼	8260C	Total/NA
Arsenic	4.3		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	57.9		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28		0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.6		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	13.7		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	19.4		16.5	3.8	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-1
Matrix: Solid
Percent Solids: 84.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		56	16	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1,1-Trichloroethane	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1,2,2-Tetrachloroethane	<9.0		56	9.0	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1,2-Trichloroethane	<12		56	12	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1-Dichloroethane	<17		56	17	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1-Dichloroethene	<19		56	19	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,1-Dichloropropene	<14		56	14	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2,3-Trichlorobenzene	<26		56	26	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2,3-Trichloropropane	<12		56	12	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2,4-Trichlorobenzene	<21		56	21	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2,4-Trimethylbenzene	<16		56	16	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2-Dibromo-3-Chloropropane	<28		56	28	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2-Dichlorobenzene	<14		56	14	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2-Dichloroethane	<23		56	23	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2-Dichloropropane	<9.0		56	9.0	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,3,5-Trimethylbenzene	<17		56	17	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,3-Dichlorobenzene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,3-Dichloropropane	<10		56	10	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,4-Dichlorobenzene	<7.8		56	7.8	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
2,2-Dichloropropane	<13		56	13	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
2-Chlorotoluene	<21		56	21	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
4-Chlorotoluene	<11		56	11	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
p-Isopropyltoluene	<19		56	19	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Benzene	<11		56	11	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Bromobenzene	<12		56	12	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Bromoform	<28		56	28	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Bromomethane	<12		56	12	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Carbon tetrachloride	<14		56	14	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Chlorobenzene	<7.3		56	7.3	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Bromochloromethane	<20		56	20	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Dibromochloromethane	<27		56	27	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Chloroethane	<12		56	12	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Chloroform	<38		56	38	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Chloromethane	<13		56	13	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
cis-1,2-Dichloroethene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Dibromomethane	<18		56	18	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Bromodichloromethane	<11		56	11	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Dichlorodifluoromethane	<24		56	24	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Ethylbenzene	<16		56	16	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
1,2-Dibromoethane	<9.7		56	9.7	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Hexachlorobutadiene	<22		56	22	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Isopropyl ether	<30		56	30	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Isopropylbenzene	<8.3		56	8.3	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Methyl tert-butyl ether	<21		56	21	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Methylene Chloride	<11		56	11	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
m&p-Xylene	<31		110	31	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Naphthalene	<19		56	19	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
n-Butylbenzene	<16		56	16	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
N-Propylbenzene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1

Client Sample ID: P5M1-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-1
Matrix: Solid
Percent Solids: 84.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.2		56	7.2	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
sec-Butylbenzene	<20		56	20	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Tetrachloroethene	<7.5		56	7.5	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Toluene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
trans-1,2-Dichloroethene	<13		56	13	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
trans-1,3-Dichloropropene	<5.5		56	5.5	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Trichloroethene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Trichlorofluoromethane	<26		56	26	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Vinyl chloride	<19		56	19	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Xylenes, Total	<31		110	31	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
cis-1,3-Dichloropropene	<13		56	13	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
Styrene	<13		56	13	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1
tert-Butylbenzene	<15		56	15	ug/Kg	☼	04/04/23 09:55	04/04/23 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*04/04/23 09:55*	*04/04/23 14:41*	*1*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*04/04/23 09:55*	*04/04/23 14:41*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/04/23 09:55*	*04/04/23 14:41*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*04/04/23 09:55*	*04/04/23 14:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<52	F1	270	52	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1221	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1232	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1242	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1248	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1254	<130		270	130	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1
PCB-1260	<130		270	130	ug/Kg	☼	04/04/23 08:52	04/10/23 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*170*	*X*	*60 - 154*	*04/04/23 08:52*	*04/10/23 12:49*	*1*
DCB Decachlorobiphenyl	*181*	*X*	*65 - 174*	*04/04/23 08:52*	*04/10/23 12:49*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.70	0.23	mg/Kg	☼	04/07/23 14:36	04/10/23 13:01	1
Arsenic	**2.5**		2.4	0.49	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1
Barium	**24.6**		0.61	0.13	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1
Cadmium	**0.15**	**J**	0.24	0.037	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1
Chromium	**7.3**		0.61	0.24	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1
Lead	**8.1**		1.2	0.29	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	04/04/23 07:29	04/05/23 20:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**14.9**	**J**	16.4	3.8	ug/Kg	☼	04/04/23 11:11	04/05/23 08:55	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M2-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-2
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<25		88	25	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1,1-Trichloroethane	<24		88	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1,2,2-Tetrachloroethane	<14		88	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1,2-Trichloroethane	<18		88	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1-Dichloroethane	<27		88	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1-Dichloroethene	<30		88	30	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,1-Dichloropropene	<22		88	22	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2,3-Trichlorobenzene	<40		88	40	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2,3-Trichloropropane	<20		88	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2,4-Trichlorobenzene	<33		88	33	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2,4-Trimethylbenzene	<25		88	25	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2-Dibromo-3-Chloropropane	<44		88	44	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2-Dichlorobenzene	<22		88	22	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2-Dichloroethane	<36		88	36	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2-Dichloropropane	<14		88	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,3,5-Trimethylbenzene	<27		88	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,3-Dichlorobenzene	<23		88	23	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,3-Dichloropropane	<16		88	16	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,4-Dichlorobenzene	**81**	**J**	88	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
2,2-Dichloropropane	<20		88	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
2-Chlorotoluene	<34		88	34	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
4-Chlorotoluene	<18		88	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
p-Isopropyltoluene	<30		88	30	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Benzene	<17		88	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Bromobenzene	<19		88	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Bromoform	<44		88	44	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Bromomethane	<19		88	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Carbon tetrachloride	<22		88	22	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Chlorobenzene	**72**	**J**	88	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Bromochloromethane	<32		88	32	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Dibromochloromethane	<43		88	43	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Chloroethane	<18		88	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Chloroform	<60		88	60	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Chloromethane	<21		88	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
cis-1,2-Dichloroethene	<24		88	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Dibromomethane	<29		88	29	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Bromodichloromethane	<18		88	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Dichlorodifluoromethane	<38		88	38	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Ethylbenzene	**38**	**J**	88	26	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
1,2-Dibromoethane	<15		88	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Hexachlorobutadiene	<35		88	35	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Isopropyl ether	<47		88	47	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Isopropylbenzene	**51**	**J**	88	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Methyl tert-butyl ether	<33		88	33	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Methylene Chloride	<17		88	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
m&p-Xylene	**110**	**J**	180	49	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Naphthalene	<30		88	30	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
n-Butylbenzene	<26		88	26	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
N-Propylbenzene	**25**	**J**	88	23	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1

Client Sample ID: P5M2-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-2
Matrix: Solid
Percent Solids: 85.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**37**	**J**	88	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
sec-Butylbenzene	**32**	**J**	88	32	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Tetrachloroethene	<12		88	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Toluene	**26**	**J**	88	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
trans-1,2-Dichloroethene	<21		88	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
trans-1,3-Dichloropropene	<8.6		88	8.6	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Trichloroethene	<24		88	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Trichlorofluoromethane	<41		88	41	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Vinyl chloride	<29		88	29	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Xylenes, Total	**150**	**J**	180	49	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
cis-1,3-Dichloropropene	<21		88	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
Styrene	<21		88	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1
tert-Butylbenzene	<24		88	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*04/04/23 09:55*	*04/04/23 15:04*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*04/04/23 09:55*	*04/04/23 15:04*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/04/23 09:55*	*04/04/23 15:04*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*04/04/23 09:55*	*04/04/23 15:04*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1221	<43		220	43	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1232	<43		220	43	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1242	<43		220	43	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1248	<43		220	43	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1254	<100		220	100	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1
PCB-1260	<100		220	100	ug/Kg	☼	04/04/23 08:52	04/10/23 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*60 - 154*	*04/04/23 08:52*	*04/10/23 21:45*	*1*
DCB Decachlorobiphenyl	*93*		*65 - 174*	*04/04/23 08:52*	*04/10/23 21:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	04/07/23 14:36	04/10/23 13:05	1
Arsenic	**1.5**	**J**	2.4	0.48	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1
Barium	**12.1**		0.60	0.13	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1
Cadmium	**0.042**	**J**	0.24	0.036	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1
Chromium	**4.9**		0.60	0.24	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1
Lead	**6.0**		1.2	0.29	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	04/04/23 07:29	04/05/23 20:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.1**	**J**	22.2	5.1	ug/Kg	☼	04/04/23 11:11	04/05/23 08:56	1

Client Sample ID: P5M1-11A
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-3
Matrix: Solid
Percent Solids: 75.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1,1-Trichloroethane	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1,2,2-Tetrachloroethane	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1,2-Trichloroethane	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1-Dichloroethane	<22		71	22	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1-Dichloroethene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,1-Dichloropropene	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2,3-Trichlorobenzene	<32		71	32	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2,3-Trichloropropane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2,4-Trichlorobenzene	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2,4-Trimethylbenzene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2-Dibromo-3-Chloropropane	<35		71	35	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2-Dichlorobenzene	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2-Dichloroethane	<29		71	29	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2-Dichloropropane	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,3,5-Trimethylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,3-Dichlorobenzene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,3-Dichloropropane	<13		71	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,4-Dichlorobenzene	<9.9		71	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
2,2-Dichloropropane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
2-Chlorotoluene	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
4-Chlorotoluene	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
p-Isopropyltoluene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Benzene	<13		71	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Bromobenzene	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Bromoform	<35		71	35	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Bromomethane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Carbon tetrachloride	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Chlorobenzene	<9.3		71	9.3	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Bromochloromethane	<25		71	25	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Dibromochloromethane	<34		71	34	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Chloroethane	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Chloroform	<48		71	48	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Chloromethane	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
cis-1,2-Dichloroethene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Dibromomethane	<23		71	23	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Bromodichloromethane	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Dichlorodifluoromethane	<31		71	31	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Ethylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
1,2-Dibromoethane	<12		71	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Hexachlorobutadiene	<28		71	28	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Isopropyl ether	<37		71	37	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Isopropylbenzene	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Methyl tert-butyl ether	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Methylene Chloride	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
m&p-Xylene	<39		140	39	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Naphthalene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
n-Butylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
N-Propylbenzene	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1

Client Sample ID: P5M1-11A

Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-3

Matrix: Solid
Percent Solids: 75.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<9.2		71	9.2	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
sec-Butylbenzene	<26		71	26	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Tetrachloroethene	<9.5		71	9.5	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Toluene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
trans-1,2-Dichloroethene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
trans-1,3-Dichloropropene	<6.9		71	6.9	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Trichloroethene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Trichlorofluoromethane	<33		71	33	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Vinyl chloride	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Xylenes, Total	<39		140	39	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
cis-1,3-Dichloropropene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
Styrene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1
tert-Butylbenzene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*04/04/23 09:55*	*04/04/23 15:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*04/04/23 09:55*	*04/04/23 15:27*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*04/04/23 09:55*	*04/04/23 15:27*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*04/04/23 09:55*	*04/04/23 15:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<61		310	61	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1221	<61		310	61	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1232	<61		310	61	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1242	<61		310	61	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1248	<61		310	61	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1254	<150		310	150	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1
PCB-1260	<150		310	150	ug/Kg	☼	04/04/23 08:52	04/10/23 21:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*70*		*60 - 154*	*04/04/23 08:52*	*04/10/23 21:58*	*1*
DCB Decachlorobiphenyl	*77*		*65 - 174*	*04/04/23 08:52*	*04/10/23 21:58*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.25**	**J**	0.69	0.23	mg/Kg	☼	04/07/23 14:36	04/10/23 13:21	1
Arsenic	**7.1**		2.6	0.53	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1
Barium	**71.3**		0.66	0.14	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1
Cadmium	**0.36**		0.26	0.040	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1
Chromium	**18.9**		0.66	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1
Lead	**18.0**		1.3	0.32	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1
Selenium	<0.53		5.3	0.53	mg/Kg	☼	04/04/23 07:29	04/05/23 20:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**47.2**		26.2	6.0	ug/Kg	☼	04/04/23 11:11	04/05/23 08:57	1

Client Sample ID: P5M1-11B
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-4
Matrix: Solid
Percent Solids: 93.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1,1-Trichloroethane	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1,2,2-Tetrachloroethane	<8.3		51	8.3	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1,2-Trichloroethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1-Dichloroethane	<16		51	16	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1-Dichloroethene	<18		51	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,1-Dichloropropene	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2,3-Trichlorobenzene	<24		51	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2,3-Trichloropropane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2,4-Trichlorobenzene	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2,4-Trimethylbenzene	**110**		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2-Dibromo-3-Chloropropane	<26		51	26	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2-Dichlorobenzene	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2-Dichloroethane	<21		51	21	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2-Dichloropropane	<8.3		51	8.3	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,3,5-Trimethylbenzene	**23**	**J**	51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,3-Dichlorobenzene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,3-Dichloropropane	<9.3		51	9.3	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,4-Dichlorobenzene	<7.2		51	7.2	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
2,2-Dichloropropane	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
2-Chlorotoluene	<20		51	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
4-Chlorotoluene	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
p-Isopropyltoluene	**32**	**J**	51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Benzene	<9.7		51	9.7	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Bromobenzene	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Bromoform	<26		51	26	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Bromomethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Carbon tetrachloride	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Chlorobenzene	<6.7		51	6.7	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Bromochloromethane	<18		51	18	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Dibromochloromethane	<25		51	25	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Chloroethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Chloroform	<35		51	35	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Chloromethane	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
cis-1,2-Dichloroethene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Dibromomethane	<17		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Bromodichloromethane	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Dichlorodifluoromethane	<22		51	22	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Ethylbenzene	**87**		51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
1,2-Dibromoethane	<8.9		51	8.9	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Hexachlorobutadiene	<20		51	20	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Isopropyl ether	<27		51	27	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Isopropylbenzene	**43**	**J**	51	7.7	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Methyl tert-butyl ether	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Methylene Chloride	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
m&p-Xylene	**340**		100	28	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Naphthalene	**230**		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
n-Butylbenzene	**22**	**J**	51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
N-Propylbenzene	**76**		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1

Client Sample ID: P5M1-11B
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-4
Matrix: Solid
Percent Solids: 93.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**230**		51	6.6	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
sec-Butylbenzene	**20**	**J**	51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Tetrachloroethene	<6.9		51	6.9	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Toluene	**160**		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
trans-1,2-Dichloroethene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
trans-1,3-Dichloropropene	<5.0		51	5.0	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Trichloroethene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Trichlorofluoromethane	<24		51	24	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Vinyl chloride	<17		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Xylenes, Total	**570**		100	28	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
cis-1,3-Dichloropropene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
Styrene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1
tert-Butylbenzene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*04/04/23 09:55*	*04/04/23 15:50*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*04/04/23 09:55*	*04/04/23 15:50*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/04/23 09:55*	*04/04/23 15:50*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*04/04/23 09:55*	*04/04/23 15:50*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		200	40	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1221	<40		200	40	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1232	<40		200	40	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1242	<40		200	40	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1248	<40		200	40	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1254	<95		200	95	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1
PCB-1260	<95		200	95	ug/Kg	☼	04/04/23 08:52	04/10/23 22:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*87*		*60 - 154*	*04/04/23 08:52*	*04/10/23 22:12*	*1*
DCB Decachlorobiphenyl	*93*		*65 - 174*	*04/04/23 08:52*	*04/10/23 22:12*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.62	0.21	mg/Kg	☼	04/07/23 14:36	04/10/23 13:25	1
Arsenic	**2.1**	**J**	2.2	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1
Barium	**12.3**		0.55	0.12	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1
Cadmium	**0.22**		0.22	0.033	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1
Chromium	**5.5**		0.55	0.22	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1
Lead	**8.0**		1.1	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 20:38	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.3**	**J**	19.6	4.5	ug/Kg	☼	04/04/23 11:11	04/05/23 08:59	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-12A
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-5
Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		52	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1,1-Trichloroethane	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1,2,2-Tetrachloroethane	<8.5		52	8.5	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1,2-Trichloroethane	<11		52	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1-Dichloroethane	<16		52	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1-Dichloroethene	<18		52	18	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,1-Dichloropropene	<13		52	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2,3-Trichlorobenzene	<24		52	24	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2,3-Trichloropropane	<12		52	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2,4-Trichlorobenzene	<20		52	20	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2,4-Trimethylbenzene	<15		52	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2-Dibromo-3-Chloropropane	<26		52	26	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2-Dichlorobenzene	<13		52	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2-Dichloroethane	<21		52	21	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2-Dichloropropane	<8.4		52	8.4	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,3,5-Trimethylbenzene	<16		52	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,3-Dichlorobenzene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,3-Dichloropropane	<9.5		52	9.5	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,4-Dichlorobenzene	<7.3		52	7.3	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
2,2-Dichloropropane	<12		52	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
2-Chlorotoluene	<20		52	20	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
4-Chlorotoluene	<11		52	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
p-Isopropyltoluene	<18		52	18	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Benzene	<9.9		52	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Bromobenzene	<11		52	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Bromoform	<26		52	26	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Bromomethane	<11		52	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Carbon tetrachloride	<13		52	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Chlorobenzene	<6.9		52	6.9	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Bromochloromethane	<19		52	19	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Dibromochloromethane	<25		52	25	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Chloroethane	<11		52	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Chloroform	<36		52	36	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Chloromethane	<12		52	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
cis-1,2-Dichloroethene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Dibromomethane	<17		52	17	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Bromodichloromethane	<10		52	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Dichlorodifluoromethane	<23		52	23	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Ethylbenzene	<15		52	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
1,2-Dibromoethane	<9.1		52	9.1	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Hexachlorobutadiene	<21		52	21	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Isopropyl ether	<28		52	28	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Isopropylbenzene	<7.8		52	7.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Methyl tert-butyl ether	<20		52	20	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Methylene Chloride	<10		52	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
m&p-Xylene	<29		100	29	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Naphthalene	<18		52	18	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
n-Butylbenzene	<15		52	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
N-Propylbenzene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1

Client Sample ID: P5M1-12A

Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-5

Matrix: Solid
Percent Solids: 94.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.8		52	6.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
sec-Butylbenzene	<19		52	19	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Tetrachloroethene	<7.0		52	7.0	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Toluene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
trans-1,2-Dichloroethene	<12		52	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
trans-1,3-Dichloropropene	<5.1		52	5.1	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Trichloroethene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Trichlorofluoromethane	<24		52	24	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Vinyl chloride	<17		52	17	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Xylenes, Total	<29		100	29	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
cis-1,3-Dichloropropene	<12		52	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
Styrene	<13		52	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1
tert-Butylbenzene	<14		52	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*04/04/23 09:55*	*04/04/23 16:14*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*04/04/23 09:55*	*04/04/23 16:14*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/04/23 09:55*	*04/04/23 16:14*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*04/04/23 09:55*	*04/04/23 16:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		200	39	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1221	<39		200	39	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1232	<39		200	39	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1242	<39		200	39	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1248	<39		200	39	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1254	<93		200	93	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1
PCB-1260	<93		200	93	ug/Kg	☼	04/04/23 08:52	04/10/23 22:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*86*		*60 - 154*	*04/04/23 08:52*	*04/10/23 22:25*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*04/04/23 08:52*	*04/10/23 22:25*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.62	0.21	mg/Kg	☼	04/07/23 14:36	04/10/23 13:44	1
Arsenic	**1.9**	**J**	2.2	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1
Barium	**12.5**		0.55	0.12	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1
Cadmium	**0.13**	**J**	0.22	0.033	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1
Chromium	**6.0**		0.55	0.22	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1
Lead	**5.6**		1.1	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 20:42	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.9**	**J**	10.5	2.4	ug/Kg	☼	04/04/23 11:11	04/05/23 09:00	1

Client Sample ID: P5M1-12B
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-6
Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1,1-Trichloroethane	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1,2,2-Tetrachloroethane	<6.8		42	6.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1,2-Trichloroethane	<8.8		42	8.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1-Dichloroethane	<13		42	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1-Dichloroethene	<15		42	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,1-Dichloropropene	<10		42	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2,3-Trichlorobenzene	<19		42	19	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2,3-Trichloropropane	<9.4		42	9.4	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2,4-Trichlorobenzene	<16		42	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2,4-Trimethylbenzene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2-Dibromo-3-Chloropropane	<21		42	21	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2-Dichlorobenzene	<11		42	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2-Dichloroethane	<17		42	17	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2-Dichloropropane	<6.8		42	6.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,3,5-Trimethylbenzene	<13		42	13	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,3-Dichlorobenzene	<11		42	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,3-Dichloropropane	<7.7		42	7.7	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,4-Dichlorobenzene	<5.9		42	5.9	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
2,2-Dichloropropane	<9.6		42	9.6	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
2-Chlorotoluene	<16		42	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
4-Chlorotoluene	<8.6		42	8.6	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
p-Isopropyltoluene	<14		42	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Benzene	<8.0		42	8.0	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Bromobenzene	<9.2		42	9.2	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Bromoform	<21		42	21	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Bromomethane	<9.3		42	9.3	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Carbon tetrachloride	<11		42	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Chlorobenzene	<5.6		42	5.6	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Bromochloromethane	<15		42	15	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Dibromochloromethane	<20		42	20	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Chloroethane	<8.8		42	8.8	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Chloroform	<29		42	29	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Chloromethane	<10		42	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
cis-1,2-Dichloroethene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Dibromomethane	<14		42	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Bromodichloromethane	<8.4		42	8.4	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Dichlorodifluoromethane	<18		42	18	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Ethylbenzene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
1,2-Dibromoethane	<7.4		42	7.4	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Hexachlorobutadiene	<17		42	17	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Isopropyl ether	<22		42	22	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Isopropylbenzene	<6.3		42	6.3	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Methyl tert-butyl ether	<16		42	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Methylene Chloride	<8.3		42	8.3	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
m&p-Xylene	<23		84	23	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Naphthalene	<14		42	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
n-Butylbenzene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
N-Propylbenzene	<11		42	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1

Client Sample ID: P5M1-12B

Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-6

Matrix: Solid
Percent Solids: 95.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<5.5		42	5.5	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
sec-Butylbenzene	<16		42	16	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Tetrachloroethene	<5.7		42	5.7	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Toluene	<11		42	11	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
trans-1,2-Dichloroethene	<9.9		42	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
trans-1,3-Dichloropropene	<4.1		42	4.1	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Trichloroethene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Trichlorofluoromethane	<20		42	20	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Vinyl chloride	<14		42	14	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Xylenes, Total	<23		84	23	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
cis-1,3-Dichloropropene	<10		42	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
Styrene	<10		42	10	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1
tert-Butylbenzene	<12		42	12	ug/Kg	☼	04/04/23 09:55	04/04/23 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*04/04/23 09:55*	*04/04/23 16:37*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*04/04/23 09:55*	*04/04/23 16:37*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*04/04/23 09:55*	*04/04/23 16:37*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*04/04/23 09:55*	*04/04/23 16:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36		180	36	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1221	<36		180	36	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1232	<36		180	36	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1242	<36		180	36	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1248	<36		180	36	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1254	<85		180	85	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1
PCB-1260	<85		180	85	ug/Kg	☼	04/04/23 08:52	04/10/23 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*60 - 154*	*04/04/23 08:52*	*04/10/23 22:38*	*1*
DCB Decachlorobiphenyl	*81*		*65 - 174*	*04/04/23 08:52*	*04/10/23 22:38*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.22		0.66	0.22	mg/Kg	☼	04/07/23 14:36	04/10/23 13:48	1
Arsenic	**2.1**		1.9	0.38	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1
Barium	**10.8**		0.47	0.10	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1
Cadmium	**0.18**	**J**	0.19	0.028	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1
Chromium	**5.1**		0.47	0.19	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1
Lead	**8.6**		0.94	0.23	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1
Selenium	<0.38		3.8	0.38	mg/Kg	☼	04/04/23 07:29	04/05/23 20:46	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<3.4		15.0	3.4	ug/Kg	☼	04/04/23 11:11	04/05/23 09:01	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-13A
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-7
Matrix: Solid
Percent Solids: 78.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1,1-Trichloroethane	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1,2,2-Tetrachloroethane	<10		64	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1,2-Trichloroethane	<13		64	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1-Dichloroethane	<20		64	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1-Dichloroethene	<22		64	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,1-Dichloropropene	<16		64	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2,3-Trichlorobenzene	<29		64	29	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2,3-Trichloropropane	<14		64	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2,4-Trichlorobenzene	<24		64	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2,4-Trimethylbenzene	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2-Dibromo-3-Chloropropane	<32		64	32	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2-Dichlorobenzene	<16		64	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2-Dichloroethane	<26		64	26	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2-Dichloropropane	<10		64	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,3,5-Trimethylbenzene	<19		64	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,3-Dichlorobenzene	<17		64	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,3-Dichloropropane	<12		64	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,4-Dichlorobenzene	<8.9		64	8.9	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
2,2-Dichloropropane	<14		64	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
2-Chlorotoluene	<24		64	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
4-Chlorotoluene	<13		64	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
p-Isopropyltoluene	<22		64	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Benzene	<12		64	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Bromobenzene	<14		64	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Bromoform	<32		64	32	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Bromomethane	<14		64	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Carbon tetrachloride	<16		64	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Chlorobenzene	<8.4		64	8.4	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Bromochloromethane	<23		64	23	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Dibromochloromethane	<31		64	31	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Chloroethane	<13		64	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Chloroform	<44		64	44	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Chloromethane	<15		64	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
cis-1,2-Dichloroethene	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Dibromomethane	<21		64	21	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Bromodichloromethane	<13		64	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Dichlorodifluoromethane	<28		64	28	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Ethylbenzene	<19		64	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
1,2-Dibromoethane	<11		64	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Hexachlorobutadiene	<25		64	25	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Isopropyl ether	<34		64	34	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Isopropylbenzene	<9.6		64	9.6	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Methyl tert-butyl ether	<24		64	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Methylene Chloride	<13		64	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
m&p-Xylene	**35**	**J**	130	35	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Naphthalene	<22		64	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
n-Butylbenzene	<19		64	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
N-Propylbenzene	<17		64	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1

Client Sample ID: P5M1-13A
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-7
Matrix: Solid
Percent Solids: 78.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**11**	**J**	64	8.3	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
sec-Butylbenzene	<23		64	23	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Tetrachloroethene	<8.6		64	8.6	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Toluene	<17		64	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
trans-1,2-Dichloroethene	<15		64	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
trans-1,3-Dichloropropene	<6.3		64	6.3	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Trichloroethene	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Trichlorofluoromethane	<30		64	30	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Vinyl chloride	<21		64	21	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Xylenes, Total	**46**	**J**	130	35	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
cis-1,3-Dichloropropene	<15		64	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
Styrene	<15		64	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1
tert-Butylbenzene	<18		64	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*04/04/23 09:55*	*04/04/23 17:00*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*04/04/23 09:55*	*04/04/23 17:00*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*04/04/23 09:55*	*04/04/23 17:00*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*04/04/23 09:55*	*04/04/23 17:00*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<55		280	55	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1221	<55		280	55	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1232	<55		280	55	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1242	<55		280	55	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1248	<55		280	55	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1254	<130		280	130	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1
PCB-1260	<130		280	130	ug/Kg	☼	04/04/23 08:52	04/10/23 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*60 - 154*	*04/04/23 08:52*	*04/10/23 23:18*	*1*
DCB Decachlorobiphenyl	*90*		*65 - 174*	*04/04/23 08:52*	*04/10/23 23:18*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.40**	**J**	0.79	0.26	mg/Kg	☼	04/07/23 14:36	04/10/23 13:52	1
Arsenic	**5.6**		2.6	0.52	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1
Barium	**97.6**		0.65	0.14	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1
Cadmium	**0.23**	**J**	0.26	0.039	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1
Chromium	**27.4**		0.65	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1
Lead	**20.2**		1.3	0.31	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1
Selenium	<0.52		5.2	0.52	mg/Kg	☼	04/04/23 07:29	04/05/23 20:50	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21.1**	**J**	23.1	5.3	ug/Kg	☼	04/04/23 11:11	04/05/23 09:03	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-13B
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-8
Matrix: Solid
Percent Solids: 75.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<21		72	21	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1,1-Trichloroethane	<20		72	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1,2,2-Tetrachloroethane	<12		72	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1,2-Trichloroethane	<15		72	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1-Dichloroethane	<22		72	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1-Dichloroethene	<25		72	25	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,1-Dichloropropene	<18		72	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2,3-Trichloropropane	<16		72	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2,4-Trichlorobenzene	<27		72	27	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2,4-Trimethylbenzene	<20		72	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2-Dibromo-3-Chloropropane	<36		72	36	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2-Dichlorobenzene	<18		72	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2-Dichloroethane	<30		72	30	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2-Dichloropropane	<12		72	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,3,5-Trimethylbenzene	<22		72	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,3-Dichlorobenzene	<19		72	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,3-Dichloropropane	<13		72	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,4-Dichlorobenzene	<10		72	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
2,2-Dichloropropane	<16		72	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
2-Chlorotoluene	<28		72	28	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
4-Chlorotoluene	<15		72	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
p-Isopropyltoluene	<24		72	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Benzene	<14		72	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Bromobenzene	<16		72	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Bromoform	<36		72	36	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Bromomethane	<16		72	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Carbon tetrachloride	<18		72	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Chlorobenzene	<9.5		72	9.5	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Bromochloromethane	<26		72	26	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Dibromochloromethane	<35		72	35	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Chloroethane	<15		72	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Chloroform	<49		72	49	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Chloromethane	<17		72	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
cis-1,2-Dichloroethene	<20		72	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Dibromomethane	<23		72	23	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Bromodichloromethane	<14		72	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Dichlorodifluoromethane	<31		72	31	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Ethylbenzene	<21		72	21	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
1,2-Dibromoethane	<13		72	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Hexachlorobutadiene	<29		72	29	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Isopropyl ether	<38		72	38	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Isopropylbenzene	<11		72	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Methyl tert-butyl ether	<27		72	27	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Methylene Chloride	<14		72	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
m&p-Xylene	<40		140	40	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Naphthalene	<24		72	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
n-Butylbenzene	<21		72	21	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
N-Propylbenzene	<19		72	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1

Client Sample ID: P5M1-13B

Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-8

Matrix: Solid
Percent Solids: 75.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<9.4		72	9.4	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
sec-Butylbenzene	<27		72	27	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Tetrachloroethene	<9.7		72	9.7	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Toluene	<19		72	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
trans-1,2-Dichloroethene	<17		72	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
trans-1,3-Dichloropropene	<7.1		72	7.1	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Trichloroethene	<20		72	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Trichlorofluoromethane	<34		72	34	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Vinyl chloride	<24		72	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Xylenes, Total	<40		140	40	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
cis-1,3-Dichloropropene	<17		72	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
Styrene	<17		72	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1
tert-Butylbenzene	<20		72	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*04/04/23 09:55*	*04/04/23 17:23*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*04/04/23 09:55*	*04/04/23 17:23*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/04/23 09:55*	*04/04/23 17:23*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*04/04/23 09:55*	*04/04/23 17:23*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<50		260	50	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1221	<50		260	50	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1232	<50		260	50	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1242	<50		260	50	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1248	<50		260	50	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1254	<120		260	120	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1
PCB-1260	<120		260	120	ug/Kg	☼	04/04/23 08:52	04/10/23 23:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*60 - 154*	*04/04/23 08:52*	*04/10/23 23:32*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*04/04/23 08:52*	*04/10/23 23:32*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.54**	**J**	0.73	0.24	mg/Kg	☼	04/07/23 14:36	04/10/23 14:08	1
Arsenic	**10.4**		2.4	0.49	mg/Kg	☼	04/04/23 07:29	04/05/23 20:54	1
Barium	**166**		1.2	0.27	mg/Kg	☼	04/04/23 07:29	04/06/23 14:11	2
Cadmium	**0.55**		0.24	0.037	mg/Kg	☼	04/04/23 07:29	04/05/23 20:54	1
Chromium	**33.7**		0.61	0.24	mg/Kg	☼	04/04/23 07:29	04/05/23 20:54	1
Lead	**26.6**		1.2	0.29	mg/Kg	☼	04/04/23 07:29	04/05/23 20:54	1
Selenium	**1.2**	**J**	4.9	0.49	mg/Kg	☼	04/04/23 07:29	04/05/23 20:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**74.7**		23.9	5.5	ug/Kg	☼	04/04/23 11:11	04/05/23 09:04	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-14A
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-9
Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1,1-Trichloroethane	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1,2,2-Tetrachloroethane	<8.0		49	8.0	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1,2-Trichloroethane	<10		49	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1-Dichloroethane	<15		49	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1-Dichloroethene	<17		49	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,1-Dichloropropene	<12		49	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2,3-Trichlorobenzene	<23		49	23	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2,3-Trichloropropane	<11		49	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2,4-Trichlorobenzene	<19		49	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2,4-Trimethylbenzene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2-Dibromo-3-Chloropropane	<25		49	25	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2-Dichlorobenzene	<13		49	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2-Dichloroethane	<20		49	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2-Dichloropropane	<8.0		49	8.0	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,3,5-Trimethylbenzene	<15		49	15	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,3-Dichlorobenzene	<13		49	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,3-Dichloropropane	<9.0		49	9.0	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,4-Dichlorobenzene	<6.9		49	6.9	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
2,2-Dichloropropane	<11		49	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
2-Chlorotoluene	<19		49	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
4-Chlorotoluene	<10		49	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
p-Isopropyltoluene	<17		49	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Benzene	<9.4		49	9.4	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Bromobenzene	<11		49	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Bromoform	<25		49	25	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Bromomethane	<11		49	11	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Carbon tetrachloride	<13		49	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Chlorobenzene	<6.5		49	6.5	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Bromochloromethane	<18		49	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Dibromochloromethane	<24		49	24	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Chloroethane	<10		49	10	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Chloroform	<34		49	34	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Chloromethane	<12		49	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
cis-1,2-Dichloroethene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Dibromomethane	<16		49	16	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Bromodichloromethane	<9.9		49	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Dichlorodifluoromethane	<22		49	22	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Ethylbenzene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
1,2-Dibromoethane	<8.7		49	8.7	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Hexachlorobutadiene	<20		49	20	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Isopropyl ether	<26		49	26	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Isopropylbenzene	<7.4		49	7.4	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Methyl tert-butyl ether	<19		49	19	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Methylene Chloride	<9.8		49	9.8	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
m&p-Xylene	<27		99	27	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Naphthalene	<17		49	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
n-Butylbenzene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
N-Propylbenzene	<13		49	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1

Client Sample ID: P5M1-14A

Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-9

Matrix: Solid
Percent Solids: 88.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**7.0**	**J**	49	6.4	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
sec-Butylbenzene	<18		49	18	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Tetrachloroethene	<6.6		49	6.6	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Toluene	<13		49	13	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
trans-1,2-Dichloroethene	<12		49	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
trans-1,3-Dichloropropene	<4.9		49	4.9	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Trichloroethene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Trichlorofluoromethane	<23		49	23	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Vinyl chloride	<17		49	17	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Xylenes, Total	<27		99	27	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
cis-1,3-Dichloropropene	<12		49	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
Styrene	<12		49	12	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1
tert-Butylbenzene	<14		49	14	ug/Kg	☼	04/04/23 09:55	04/04/23 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*04/04/23 09:55*	*04/04/23 17:46*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*04/04/23 09:55*	*04/04/23 17:46*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*04/04/23 09:55*	*04/04/23 17:46*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*04/04/23 09:55*	*04/04/23 17:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<51		260	51	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1221	<51		260	51	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1232	<51		260	51	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1242	<51		260	51	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1248	<51		260	51	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1254	<120		260	120	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1
PCB-1260	<120		260	120	ug/Kg	☼	04/04/23 08:52	04/10/23 23:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*60 - 154*	*04/04/23 08:52*	*04/10/23 23:45*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*04/04/23 08:52*	*04/10/23 23:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.23**	**J**	0.66	0.22	mg/Kg	☼	04/07/23 14:36	04/10/23 14:12	1
Arsenic	**4.0**		2.2	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1
Barium	**82.7**		0.55	0.12	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1
Cadmium	**0.20**	**J**	0.22	0.033	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1
Chromium	**24.5**		0.55	0.22	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1
Lead	**23.1**		1.1	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 21:10	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**94.4**		16.6	3.8	ug/Kg	☼	04/04/23 11:11	04/05/23 09:08	1

Client Sample ID: P5M1-14B
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-10
Matrix: Solid
Percent Solids: 80.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1,1-Trichloroethane	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1,2,2-Tetrachloroethane	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1,2-Trichloroethane	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1-Dichloroethane	<22		71	22	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1-Dichloroethene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,1-Dichloropropene	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2,3-Trichloropropane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2,4-Trichlorobenzene	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2,4-Trimethylbenzene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2-Dibromo-3-Chloropropane	<35		71	35	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2-Dichlorobenzene	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2-Dichloroethane	<29		71	29	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2-Dichloropropane	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,3,5-Trimethylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,3-Dichlorobenzene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,3-Dichloropropane	<13		71	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,4-Dichlorobenzene	<9.9		71	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
2,2-Dichloropropane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
2-Chlorotoluene	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
4-Chlorotoluene	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
p-Isopropyltoluene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Benzene	<13		71	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Bromobenzene	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Bromoform	<35		71	35	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Bromomethane	<16		71	16	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Carbon tetrachloride	<18		71	18	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Chlorobenzene	<9.3		71	9.3	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Bromochloromethane	<26		71	26	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Dibromochloromethane	<34		71	34	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Chloroethane	<15		71	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Chloroform	<48		71	48	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Chloromethane	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
cis-1,2-Dichloroethene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Dibromomethane	<23		71	23	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Bromodichloromethane	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Dichlorodifluoromethane	<31		71	31	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Ethylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
1,2-Dibromoethane	<12		71	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Hexachlorobutadiene	<28		71	28	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Isopropyl ether	<37		71	37	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Isopropylbenzene	<11		71	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Methyl tert-butyl ether	<27		71	27	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Methylene Chloride	<14		71	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
m&p-Xylene	<39		140	39	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Naphthalene	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
n-Butylbenzene	<21		71	21	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
N-Propylbenzene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1

Client Sample ID: P5M1-14B
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-10
Matrix: Solid
Percent Solids: 80.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<9.2		71	9.2	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
sec-Butylbenzene	<26		71	26	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Tetrachloroethene	<9.5		71	9.5	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Toluene	<19		71	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
trans-1,2-Dichloroethene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
trans-1,3-Dichloropropene	<6.9		71	6.9	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Trichloroethene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Trichlorofluoromethane	<33		71	33	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Vinyl chloride	<24		71	24	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Xylenes, Total	<39		140	39	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
cis-1,3-Dichloropropene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
Styrene	<17		71	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1
tert-Butylbenzene	<20		71	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*04/04/23 09:55*	*04/04/23 18:10*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*04/04/23 09:55*	*04/04/23 18:10*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*04/04/23 09:55*	*04/04/23 18:10*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*04/04/23 09:55*	*04/04/23 18:10*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<46		230	46	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1221	<46		230	46	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1232	<46		230	46	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1242	<46		230	46	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1248	<46		230	46	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1254	<110		230	110	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1
PCB-1260	<110		230	110	ug/Kg	☼	04/04/23 08:52	04/10/23 23:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*60 - 154*	*04/04/23 08:52*	*04/10/23 23:59*	*1*
DCB Decachlorobiphenyl	*89*		*65 - 174*	*04/04/23 08:52*	*04/10/23 23:59*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.75	0.25	mg/Kg	☼	04/07/23 14:36	04/10/23 14:16	1
Arsenic	**4.0**		2.6	0.52	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1
Barium	**111**		0.65	0.14	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1
Cadmium	**0.19**	**J**	0.26	0.039	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1
Chromium	**26.9**		0.65	0.26	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1
Lead	**12.8**		1.3	0.31	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1
Selenium	<0.52		5.2	0.52	mg/Kg	☼	04/04/23 07:29	04/05/23 21:14	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30.5**		25.2	5.8	ug/Kg	☼	04/04/23 11:11	04/05/23 09:09	1

Client Sample ID: P5M1-2
Date Collected: 03/30/23 12:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-11
Matrix: Solid
Percent Solids: 82.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<160		560	160	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1,1-Trichloroethane	<150		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1,2,2-Tetrachloroethane	<90		560	90	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1,2-Trichloroethane	<120		560	120	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1-Dichloroethane	<170		560	170	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1-Dichloroethene	<190		560	190	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,1-Dichloropropene	<140		560	140	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2,3-Trichlorobenzene	<260		560	260	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2,3-Trichloropropane	<120		560	120	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2,4-Trichlorobenzene	<210		560	210	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2,4-Trimethylbenzene	**27000**	**F1**	560	160	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2-Dibromo-3-Chloropropane	<280		560	280	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2-Dichlorobenzene	<140		560	140	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2-Dichloroethane	<230		560	230	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2-Dichloropropane	<90		560	90	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,3,5-Trimethylbenzene	**1300**		560	170	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,3-Dichlorobenzene	<150		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,3-Dichloropropane	<100		560	100	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,4-Dichlorobenzene	<78		560	78	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
2,2-Dichloropropane	<130		560	130	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
2-Chlorotoluene	<210		560	210	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
4-Chlorotoluene	<110		560	110	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
p-Isopropyltoluene	**1000**		560	190	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Benzene	<110		560	110	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Bromobenzene	<120		560	120	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Bromoform	<280		560	280	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Bromomethane	<120		560	120	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Carbon tetrachloride	<140		560	140	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Chlorobenzene	<74		560	74	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Bromochloromethane	<200		560	200	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Dibromochloromethane	<270		560	270	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Chloroethane	<120		560	120	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Chloroform	<380		560	380	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Chloromethane	<130		560	130	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
cis-1,2-Dichloroethene	**680**		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Dibromomethane	<180		560	180	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Bromodichloromethane	<110		560	110	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Dichlorodifluoromethane	<240		560	240	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Ethylbenzene	**5800**		560	160	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
1,2-Dibromoethane	<97		560	97	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Hexachlorobutadiene	<220		560	220	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Isopropyl ether	<300		560	300	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Isopropylbenzene	**2700**		560	84	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Methyl tert-butyl ether	<210		560	210	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Methylene Chloride	<110		560	110	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
m&p-Xylene	**19000**		1100	310	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Naphthalene	**2600**		560	190	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
n-Butylbenzene	**4200**		560	160	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
N-Propylbenzene	**9700**		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10

Client Sample ID: P5M1-2
Date Collected: 03/30/23 12:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-11
Matrix: Solid
Percent Solids: 82.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**3900**		560	72	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
sec-Butylbenzene	**2400**		560	210	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Tetrachloroethene	<75		560	75	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Toluene	**8200**		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
trans-1,2-Dichloroethene	<130		560	130	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
trans-1,3-Dichloropropene	<55		560	55	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Trichloroethene	<150		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Trichlorofluoromethane	<260		560	260	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Vinyl chloride	<190		560	190	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Xylenes, Total	**23000**		1100	310	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
cis-1,3-Dichloropropene	<130		560	130	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
Styrene	<130		560	130	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10
tert-Butylbenzene	<150		560	150	ug/Kg	☼	04/04/23 09:55	04/04/23 18:33	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*04/04/23 09:55*	*04/04/23 18:33*	*10*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*04/04/23 09:55*	*04/04/23 18:33*	*10*
Toluene-d8 (Surr)	*103*		*50 - 149*	*04/04/23 09:55*	*04/04/23 18:33*	*10*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*04/04/23 09:55*	*04/04/23 18:33*	*10*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1221	<41		210	41	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1232	<41		210	41	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1242	**120**	**J**	210	41	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1248	<41		210	41	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1254	<99		210	99	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1
PCB-1260	<99		210	99	ug/Kg	☼	04/04/23 08:52	04/11/23 00:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*60 - 154*	*04/04/23 08:52*	*04/11/23 00:12*	*1*
DCB Decachlorobiphenyl	*101*		*65 - 174*	*04/04/23 08:52*	*04/11/23 00:12*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	04/07/23 14:36	04/10/23 14:20	1
Arsenic	**2.4**	**J**	2.5	0.50	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1
Barium	**55.9**		0.63	0.14	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1
Cadmium	**0.18**	**J**	0.25	0.038	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1
Chromium	**20.2**		0.63	0.25	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1
Lead	**13.4**		1.3	0.30	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	04/04/23 07:29	04/05/23 21:18	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**16.6**	**J**	18.5	4.3	ug/Kg	☼	04/04/23 11:11	04/05/23 09:10	1

Client Sample ID: P5M1-3
Date Collected: 03/30/23 12:35
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-12
Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1,2-Trichloroethane	<10		50	10	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2,4-Trichlorobenzene	<19		50	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2,4-Trimethylbenzene	**31**	**J**	50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,3-Dichloropropane	<9.0		50	9.0	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,4-Dichlorobenzene	**80**		50	7.0	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
2,2-Dichloropropane	<11		50	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Benzene	<9.4		50	9.4	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Bromobenzene	<11		50	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Bromoform	<25		50	25	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Bromomethane	<11		50	11	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Carbon tetrachloride	<13		50	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Chlorobenzene	**67**		50	6.6	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Bromochloromethane	<18		50	18	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Dibromochloromethane	<24		50	24	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Chloroethane	<10		50	10	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Chloroform	<34		50	34	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Chloromethane	<12		50	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Dibromomethane	<16		50	16	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Bromodichloromethane	<9.9		50	9.9	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Ethylbenzene	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
1,2-Dibromoethane	<8.7		50	8.7	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Hexachlorobutadiene	<20		50	20	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Isopropyl ether	<26		50	26	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Isopropylbenzene	**90**		50	7.5	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Methylene Chloride	<9.8		50	9.8	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
m&p-Xylene	**53**	**J**	99	28	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Naphthalene	<17		50	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
n-Butylbenzene	<15		50	15	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
N-Propylbenzene	**210**		50	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1

Client Sample ID: P5M1-3

Date Collected: 03/30/23 12:35
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-12

Matrix: Solid
Percent Solids: 93.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**15**	**J**	50	6.5	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
sec-Butylbenzene	**30**	**J**	50	18	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Toluene	<13		50	13	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Trichloroethene	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Trichlorofluoromethane	<23		50	23	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Vinyl chloride	<17		50	17	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Xylenes, Total	**68**	**J**	99	28	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
Styrene	<12		50	12	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	04/04/23 09:55	04/04/23 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*04/04/23 09:55*	*04/04/23 18:56*	*1*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*	*04/04/23 09:55*	*04/04/23 18:56*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*04/04/23 09:55*	*04/04/23 18:56*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*04/04/23 09:55*	*04/04/23 18:56*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		190	38	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1221	<38		190	38	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1232	<38		190	38	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1242	<38		190	38	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1248	<38		190	38	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1254	<91		190	91	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1
PCB-1260	<91		190	91	ug/Kg	☼	04/04/23 08:52	04/11/23 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*60 - 154*	*04/04/23 08:52*	*04/11/23 00:25*	*1*
DCB Decachlorobiphenyl	*82*		*65 - 174*	*04/04/23 08:52*	*04/11/23 00:25*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.58	0.19	mg/Kg	☼	04/07/23 14:36	04/10/23 14:24	1
Arsenic	**2.6**		2.2	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1
Barium	**12.7**		0.56	0.12	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1
Cadmium	**0.17**	**J**	0.22	0.033	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1
Chromium	**4.8**		0.56	0.22	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1
Lead	**8.6**		1.1	0.27	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1
Selenium	<0.44		4.4	0.44	mg/Kg	☼	04/04/23 07:29	04/05/23 21:22	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**2.0**	**J**	8.9	2.0	ug/Kg	☼	04/04/23 11:11	04/05/23 09:12	1

Client Sample ID: P5M1-5
Date Collected: 03/30/23 12:40
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-13
Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1,1-Trichloroethane	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1,2,2-Tetrachloroethane	<8.2		51	8.2	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1,2-Trichloroethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1-Dichloroethane	<16		51	16	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1-Dichloroethene	<18		51	18	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,1-Dichloropropene	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2,3-Trichlorobenzene	<23		51	23	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2,3-Trichloropropane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2,4-Trichlorobenzene	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2,4-Trimethylbenzene	**19**	**J**	51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2-Dibromo-3-Chloropropane	<25		51	25	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2-Dichlorobenzene	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2-Dichloroethane	<21		51	21	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2-Dichloropropane	<8.2		51	8.2	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,3,5-Trimethylbenzene	<15		51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,3-Dichlorobenzene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,3-Dichloropropane	<9.2		51	9.2	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,4-Dichlorobenzene	**50**	**J**	51	7.1	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
2,2-Dichloropropane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
2-Chlorotoluene	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
4-Chlorotoluene	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
p-Isopropyltoluene	<17		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Benzene	<9.6		51	9.6	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Bromobenzene	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Bromoform	<25		51	25	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Bromomethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Carbon tetrachloride	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Chlorobenzene	**34**	**J**	51	6.7	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Bromochloromethane	<18		51	18	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Dibromochloromethane	<25		51	25	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Chloroethane	<11		51	11	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Chloroform	<35		51	35	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Chloromethane	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
cis-1,2-Dichloroethene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Dibromomethane	<16		51	16	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Bromodichloromethane	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Dichlorodifluoromethane	<22		51	22	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Ethylbenzene	<15		51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
1,2-Dibromoethane	<8.9		51	8.9	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Hexachlorobutadiene	<20		51	20	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Isopropyl ether	<27		51	27	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Isopropylbenzene	**16**	**J**	51	7.6	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Methyl tert-butyl ether	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Methylene Chloride	<10		51	10	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
m&p-Xylene	**30**	**J**	100	28	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Naphthalene	<17		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
n-Butylbenzene	<15		51	15	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
N-Propylbenzene	<13		51	13	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1

Client Sample ID: P5M1-5
Date Collected: 03/30/23 12:40
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-13
Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.6		51	6.6	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
sec-Butylbenzene	<19		51	19	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Tetrachloroethene	<6.8		51	6.8	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Toluene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
trans-1,2-Dichloroethene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
trans-1,3-Dichloropropene	<5.0		51	5.0	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Trichloroethene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Trichlorofluoromethane	<24		51	24	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Vinyl chloride	<17		51	17	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Xylenes, Total	**30**	**J**	100	28	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
cis-1,3-Dichloropropene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
Styrene	<12		51	12	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1
tert-Butylbenzene	<14		51	14	ug/Kg	☼	04/04/23 09:55	04/04/23 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*04/04/23 09:55*	*04/04/23 19:20*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*04/04/23 09:55*	*04/04/23 19:20*	*1*
Toluene-d8 (Surr)	*99*		*50 - 149*	*04/04/23 09:55*	*04/04/23 19:20*	*1*
Dibromofluoromethane (Surr)	*86*		*60 - 140*	*04/04/23 09:55*	*04/04/23 19:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1221	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1232	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1242	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1248	<52		270	52	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1254	<130		270	130	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1
PCB-1260	<130		270	130	ug/Kg	☼	04/04/23 08:52	04/11/23 00:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*60 - 154*	*04/04/23 08:52*	*04/11/23 00:39*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*04/04/23 08:52*	*04/11/23 00:39*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	04/07/23 14:36	04/10/23 14:28	1
Arsenic	**4.3**		2.4	0.47	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1
Barium	**57.9**		0.59	0.13	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1
Cadmium	**0.28**		0.24	0.036	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1
Chromium	**14.6**		0.59	0.24	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1
Lead	**13.7**		1.2	0.28	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	04/04/23 07:29	04/05/23 21:26	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19.4**		16.5	3.8	ug/Kg	☼	04/04/23 11:11	04/05/23 09:13	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-207437-1	P5M1-4	102	103	101	90
480-207437-2	P5M2-4	100	99	101	88
480-207437-3	P5M1-11A	102	100	96	87
480-207437-4	P5M1-11B	106	101	101	92
480-207437-5	P5M1-12A	104	100	101	87
480-207437-6	P5M1-12B	105	99	99	88
480-207437-7	P5M1-13A	102	100	98	86
480-207437-8	P5M1-13B	99	102	101	87
480-207437-9	P5M1-14A	99	96	96	84
480-207437-10	P5M1-14B	99	97	96	84
480-207437-11	P5M1-2	102	109	103	88
480-207437-11 MS	P5M1-2	103	106	102	96
480-207437-11 MSD	P5M1-2	102	108	100	98
480-207437-12	P5M1-3	105	105	102	88
480-207437-13	P5M1-5	103	102	99	86
LCS 480-663843/2-A	Lab Control Sample	100	106	101	98
MB 480-663843/1-A	Method Blank	102	101	100	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-207437-1	P5M1-4	170 X	181 X
480-207437-1 MS	P5M1-4	168 X	176 X
480-207437-1 MSD	P5M1-4	189 X	204 X
LCS 480-663809/2-A	Lab Control Sample	107	112
MB 480-663809/1-A	Method Blank	105	108

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-207437-2	P5M2-4	87	93
480-207437-3	P5M1-11A	70	77
480-207437-4	P5M1-11B	87	93
480-207437-5	P5M1-12A	86	96
480-207437-6	P5M1-12B	77	81

Surrogate Summary

Client: Waste Management
Job ID: 480-207437-1
Project/Site: Orchard Ridge-Boundary Road

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

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

		Percent Surrogate Recovery (Acceptance Limits)									
		TCX2	DCBP2								
Lab Sample ID	Client Sample ID	(60-154)	(65-174)								
480-207437-7	P5M1-13A	81	90								
480-207437-8	P5M1-13B	83	91								
480-207437-9	P5M1-14A	77	91								
480-207437-10	P5M1-14B	79	89								
480-207437-11	P5M1-2	91	101								
480-207437-12	P5M1-3	75	82								
480-207437-13	P5M1-5	81	88								

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-663843/1-A
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663843

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1-Dichloroethane	<31		100	31	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1-Dichloroethene	<35		100	35	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,1-Dichloropropene	<25		100	25	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2-Dichloroethane	<41		100	41	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2-Dichloropropane	<16		100	16	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,3-Dichloropropane	<18		100	18	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
2,2-Dichloropropane	<23		100	23	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
2-Chlorotoluene	<38		100	38	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
4-Chlorotoluene	<20		100	20	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
p-Isopropyltoluene	<34		100	34	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Benzene	<19		100	19	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Bromobenzene	<22		100	22	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Bromoform	<50		100	50	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Bromomethane	<22		100	22	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Carbon tetrachloride	<26		100	26	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Chlorobenzene	<13		100	13	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Bromochloromethane	<36		100	36	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Dibromochloromethane	<48		100	48	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Chloroethane	<21		100	21	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Chloroform	<69		100	69	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Chloromethane	<24		100	24	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Dibromomethane	<33		100	33	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Bromodichloromethane	<20		100	20	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Ethylbenzene	<29		100	29	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
1,2-Dibromoethane	<18		100	18	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Hexachlorobutadiene	<40		100	40	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Isopropyl ether	<53		100	53	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Isopropylbenzene	<15		100	15	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Methylene Chloride	<20		100	20	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
m&p-Xylene	<55		200	55	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Naphthalene	<34		100	34	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
n-Butylbenzene	<29		100	29	ug/Kg		04/04/23 09:55	04/04/23 12:57	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-663843/1-A
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663843

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
o-Xylene	<13		100	13	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
sec-Butylbenzene	<37		100	37	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Tetrachloroethene	<13		100	13	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Toluene	<27		100	27	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Trichloroethene	<28		100	28	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Trichlorofluoromethane	<47		100	47	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Vinyl chloride	<34		100	34	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Xylenes, Total	<55		200	55	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
Styrene	<24		100	24	ug/Kg		04/04/23 09:55	04/04/23 12:57	1
tert-Butylbenzene	<28		100	28	ug/Kg		04/04/23 09:55	04/04/23 12:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*04/04/23 09:55*	*04/04/23 12:57*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*04/04/23 09:55*	*04/04/23 12:57*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*04/04/23 09:55*	*04/04/23 12:57*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*04/04/23 09:55*	*04/04/23 12:57*	*1*

Lab Sample ID: LCS 480-663843/2-A
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2560		ug/Kg		102	78 - 120
1,1,1-Trichloroethane	2500	2490		ug/Kg		100	68 - 130
1,1,2,2-Tetrachloroethane	2500	2520		ug/Kg		101	73 - 120
1,1,2-Trichloroethane	2500	2670		ug/Kg		107	80 - 120
1,1-Dichloroethane	2500	2430		ug/Kg		97	78 - 121
1,1-Dichloroethene	2500	2280		ug/Kg		91	48 - 133
1,1-Dichloropropene	2500	2620		ug/Kg		105	75 - 121
1,2,3-Trichlorobenzene	2500	2120		ug/Kg		85	57 - 150
1,2,3-Trichloropropane	2500	2590		ug/Kg		104	75 - 120
1,2,4-Trichlorobenzene	2500	2160		ug/Kg		86	70 - 140
1,2,4-Trimethylbenzene	2500	2560		ug/Kg		102	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2530		ug/Kg		101	56 - 122
1,2-Dichlorobenzene	2500	2470		ug/Kg		99	78 - 125
1,2-Dichloroethane	2500	2500		ug/Kg		100	74 - 127
1,2-Dichloropropane	2500	2560		ug/Kg		102	80 - 120
1,3,5-Trimethylbenzene	2500	2570		ug/Kg		103	79 - 120
1,3-Dichlorobenzene	2500	2520		ug/Kg		101	80 - 120
1,3-Dichloropropane	2500	2760		ug/Kg		111	80 - 120
1,4-Dichlorobenzene	2500	2470		ug/Kg		99	80 - 120
2,2-Dichloropropane	2500	2180		ug/Kg		87	58 - 142
2-Chlorotoluene	2500	2590		ug/Kg		104	72 - 122
4-Chlorotoluene	2500	2650		ug/Kg		106	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-663843/2-A
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2270		ug/Kg		91	80 - 120
Benzene	2500	2600		ug/Kg		104	77 - 125
Bromobenzene	2500	2570		ug/Kg		103	78 - 120
Bromoform	2500	2710		ug/Kg		109	48 - 125
Bromomethane	2500	2300		ug/Kg		92	39 - 149
Carbon tetrachloride	2500	2530		ug/Kg		101	54 - 135
Chlorobenzene	2500	2580		ug/Kg		103	76 - 126
Bromochloromethane	2500	2440		ug/Kg		97	79 - 120
Dibromochloromethane	2500	2630		ug/Kg		105	64 - 120
Chloroethane	2500	2180		ug/Kg		87	23 - 150
Chloroform	2500	2280		ug/Kg		91	78 - 120
Chloromethane	2500	2130		ug/Kg		85	61 - 124
cis-1,2-Dichloroethene	2500	2420		ug/Kg		97	79 - 124
Dibromomethane	2500	2520		ug/Kg		101	79 - 120
Bromodichloromethane	2500	2510		ug/Kg		101	71 - 121
Dichlorodifluoromethane	2500	2160		ug/Kg		86	10 - 150
Ethylbenzene	2500	2740		ug/Kg		110	78 - 124
1,2-Dibromoethane	2500	2720		ug/Kg		109	80 - 120
Hexachlorobutadiene	2500	2170		ug/Kg		87	61 - 149
Isopropylbenzene	2500	2670		ug/Kg		107	76 - 120
Methyl tert-butyl ether	2500	2400		ug/Kg		96	67 - 137
Methylene Chloride	2500	2360		ug/Kg		94	75 - 118
m&p-Xylene	2500	2750		ug/Kg		110	77 - 125
Naphthalene	2500	2340		ug/Kg		93	65 - 142
n-Butylbenzene	2500	2690		ug/Kg		108	80 - 120
N-Propylbenzene	2500	2640		ug/Kg		106	76 - 120
o-Xylene	2500	2640		ug/Kg		105	80 - 124
sec-Butylbenzene	2500	2700		ug/Kg		108	79 - 120
Tetrachloroethene	2500	2860		ug/Kg		115	73 - 133
Toluene	2500	2570		ug/Kg		103	75 - 124
trans-1,2-Dichloroethene	2500	2340		ug/Kg		93	74 - 129
trans-1,3-Dichloropropene	2500	2940		ug/Kg		118	73 - 120
Trichloroethene	2500	2590		ug/Kg		104	75 - 131
Trichlorofluoromethane	2500	2420		ug/Kg		97	29 - 158
Vinyl chloride	2500	2240		ug/Kg		89	59 - 124
cis-1,3-Dichloropropene	2500	2830		ug/Kg		113	75 - 121
Styrene	2500	2930		ug/Kg		117	80 - 120
tert-Butylbenzene	2500	2730		ug/Kg		109	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*
Toluene-d8 (Surr)	*101*		*50 - 149*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-207437-11 MS
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: P5M1-2
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<160		13900	12400		ug/Kg	☼	89	63 - 136
1,1,1-Trichloroethane	<150		13900	12200		ug/Kg	☼	88	64 - 142
1,1,2,2-Tetrachloroethane	<90		13900	14500		ug/Kg	☼	104	56 - 128
1,1,2-Trichloroethane	<120		13900	14800		ug/Kg	☼	106	63 - 133
1,1-Dichloroethane	<170		13900	13400		ug/Kg	☼	96	64 - 135
1,1-Dichloroethene	<190		13900	12400		ug/Kg	☼	89	62 - 145
1,1-Dichloropropene	<140		13900	14100		ug/Kg	☼	101	68 - 147
1,2,3-Trichlorobenzene	<260		13900	11900		ug/Kg	☼	85	48 - 145
1,2,3-Trichloropropane	<120		13900	15300		ug/Kg	☼	110	57 - 134
1,2,4-Trichlorobenzene	<210		13900	12100		ug/Kg	☼	87	56 - 145
1,2,4-Trimethylbenzene	27000	F1	13900	38500		ug/Kg	☼	80	67 - 139
1,2-Dibromo-3-Chloropropane	<280		13900	13900		ug/Kg	☼	100	40 - 122
1,2-Dichlorobenzene	<140		13900	13700		ug/Kg	☼	98	68 - 133
1,2-Dichloroethane	<230		13900	13900		ug/Kg	☼	99	62 - 135
1,2-Dichloropropane	<90		13900	13700		ug/Kg	☼	99	67 - 139
1,3,5-Trimethylbenzene	1300		13900	15700		ug/Kg	☼	103	67 - 142
1,3-Dichlorobenzene	<150		13900	14100		ug/Kg	☼	101	68 - 136
1,3-Dichloropropane	<100		13900	15200		ug/Kg	☼	109	65 - 135
1,4-Dichlorobenzene	<78		13900	13900		ug/Kg	☼	100	69 - 136
2,2-Dichloropropane	<130		13900	11100		ug/Kg	☼	79	48 - 146
2-Chlorotoluene	<210		13900	14300		ug/Kg	☼	103	69 - 140
4-Chlorotoluene	<110		13900	14900		ug/Kg	☼	107	66 - 138
p-Isopropyltoluene	1000		13900	13500		ug/Kg	☼	89	67 - 143
Benzene	<110		13900	14200		ug/Kg	☼	102	68 - 137
Bromobenzene	<120		13900	14300		ug/Kg	☼	103	66 - 141
Bromoform	<280		13900	12500		ug/Kg	☼	89	43 - 134
Bromomethane	<120		13900	12200		ug/Kg	☼	88	38 - 137
Carbon tetrachloride	<140		13900	11800		ug/Kg	☼	85	60 - 150
Chlorobenzene	<74		13900	13900		ug/Kg	☼	100	67 - 136
Bromochloromethane	<200		13900	13100		ug/Kg	☼	94	64 - 139
Dibromochloromethane	<270		13900	12600		ug/Kg	☼	90	57 - 137
Chloroethane	<120		13900	10300		ug/Kg	☼	74	34 - 140
Chloroform	<380		13900	12400		ug/Kg	☼	89	64 - 133
Chloromethane	<130		13900	12400		ug/Kg	☼	89	47 - 143
cis-1,2-Dichloroethene	680		13900	14100		ug/Kg	☼	96	65 - 137
Dibromomethane	<180		13900	14100		ug/Kg	☼	101	64 - 137
Bromodichloromethane	<110		13900	12400		ug/Kg	☼	89	62 - 136
Dichlorodifluoromethane	<240		13900	12700		ug/Kg	☼	91	26 - 150
Ethylbenzene	5800		13900	20200		ug/Kg	☼	104	67 - 136
1,2-Dibromoethane	<97		13900	15000		ug/Kg	☼	108	65 - 133
Hexachlorobutadiene	<220		13900	11100		ug/Kg	☼	80	46 - 150
Isopropylbenzene	2700		13900	17700		ug/Kg	☼	107	65 - 147
Methyl tert-butyl ether	<210		13900	13500		ug/Kg	☼	97	60 - 130
Methylene Chloride	<110		13900	12900		ug/Kg	☼	93	63 - 138
m&p-Xylene	19000		13900	31900		ug/Kg	☼	90	68 - 138
Naphthalene	2600		13900	16400		ug/Kg	☼	99	46 - 137
n-Butylbenzene	4200		13900	18600		ug/Kg	☼	103	64 - 144
N-Propylbenzene	9700		13900	23600		ug/Kg	☼	100	64 - 144

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-207437-11 MS
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: P5M1-2
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	3900		13900	18000		ug/Kg	☼	101	67 - 135
sec-Butylbenzene	2400		13900	17300		ug/Kg	☼	107	66 - 145
Tetrachloroethene	<75		13900	14800		ug/Kg	☼	106	67 - 150
Toluene	8200		13900	21300		ug/Kg	☼	94	68 - 137
trans-1,2-Dichloroethene	<130		13900	12700		ug/Kg	☼	91	65 - 138
trans-1,3-Dichloropropene	<55		13900	15200		ug/Kg	☼	109	58 - 143
Trichloroethene	<150		13900	14400		ug/Kg	☼	103	69 - 143
Trichlorofluoromethane	<260		13900	12800		ug/Kg	☼	92	35 - 150
Vinyl chloride	<190		13900	12700		ug/Kg	☼	91	56 - 150
cis-1,3-Dichloropropene	<130		13900	14400		ug/Kg	☼	103	61 - 148
Styrene	<130		13900	16400		ug/Kg	☼	118	68 - 137
tert-Butylbenzene	<150		13900	15300		ug/Kg	☼	110	67 - 146

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*
4-Bromofluorobenzene (Surr)	*106*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*96*		*60 - 140*

Lab Sample ID: 480-207437-11 MSD
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: P5M1-2
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<160		13900	12900		ug/Kg	☼	92	63 - 136	3	20
1,1,1-Trichloroethane	<150		13900	12400		ug/Kg	☼	89	64 - 142	1	20
1,1,2,2-Tetrachloroethane	<90		13900	14300		ug/Kg	☼	102	56 - 128	2	20
1,1,2-Trichloroethane	<120		13900	14400		ug/Kg	☼	104	63 - 133	2	20
1,1-Dichloroethane	<170		13900	13200		ug/Kg	☼	95	64 - 135	2	20
1,1-Dichloroethene	<190		13900	12500		ug/Kg	☼	90	62 - 145	1	20
1,1-Dichloropropene	<140		13900	13700		ug/Kg	☼	99	68 - 147	3	20
1,2,3-Trichlorobenzene	<260		13900	11300		ug/Kg	☼	81	48 - 145	5	20
1,2,3-Trichloropropane	<120		13900	15600		ug/Kg	☼	112	57 - 134	2	20
1,2,4-Trichlorobenzene	<210		13900	11500		ug/Kg	☼	83	56 - 145	5	20
1,2,4-Trimethylbenzene	27000	F1	13900	36400	F1	ug/Kg	☼	65	67 - 139	6	20
1,2-Dibromo-3-Chloropropane	<280		13900	13800		ug/Kg	☼	99	40 - 122	1	20
1,2-Dichlorobenzene	<140		13900	13200		ug/Kg	☼	95	68 - 133	3	20
1,2-Dichloroethane	<230		13900	13900		ug/Kg	☼	100	62 - 135	1	20
1,2-Dichloropropane	<90		13900	14000		ug/Kg	☼	100	67 - 139	2	20
1,3,5-Trimethylbenzene	1300		13900	14900		ug/Kg	☼	97	67 - 142	5	20
1,3-Dichlorobenzene	<150		13900	13400		ug/Kg	☼	96	68 - 136	5	20
1,3-Dichloropropane	<100		13900	15000		ug/Kg	☼	108	65 - 135	1	20
1,4-Dichlorobenzene	<78		13900	13200		ug/Kg	☼	95	69 - 136	5	20
2,2-Dichloropropane	<130		13900	11200		ug/Kg	☼	81	48 - 146	2	20
2-Chlorotoluene	<210		13900	13700		ug/Kg	☼	98	69 - 140	5	20
4-Chlorotoluene	<110		13900	14400		ug/Kg	☼	103	66 - 138	4	20
p-Isopropyltoluene	1000		13900	12800		ug/Kg	☼	84	67 - 143	5	20
Benzene	<110		13900	14000		ug/Kg	☼	101	68 - 137	1	20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-207437-11 MSD
Matrix: Solid
Analysis Batch: 663814

Client Sample ID: P5M1-2
Prep Type: Total/NA
Prep Batch: 663843

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	<120		13900	14100		ug/Kg	☼	101	66 - 141	2	20
Bromoform	<280		13900	13800		ug/Kg	☼	99	43 - 134	10	20
Bromomethane	<120		13900	10800		ug/Kg	☼	77	38 - 137	12	20
Carbon tetrachloride	<140		13900	12700		ug/Kg	☼	91	60 - 150	7	20
Chlorobenzene	<74		13900	13700		ug/Kg	☼	98	67 - 136	2	20
Bromochloromethane	<200		13900	13500		ug/Kg	☼	97	64 - 139	3	20
Dibromochloromethane	<270		13900	13100		ug/Kg	☼	94	57 - 137	4	20
Chloroethane	<120		13900	9040		ug/Kg	☼	65	34 - 140	13	20
Chloroform	<380		13900	12400		ug/Kg	☼	89	64 - 133	0	20
Chloromethane	<130		13900	12200		ug/Kg	☼	88	47 - 143	1	20
cis-1,2-Dichloroethene	680		13900	13900		ug/Kg	☼	95	65 - 137	2	20
Dibromomethane	<180		13900	14400		ug/Kg	☼	104	64 - 137	2	20
Bromodichloromethane	<110		13900	13400		ug/Kg	☼	96	62 - 136	7	20
Dichlorodifluoromethane	<240		13900	12400		ug/Kg	☼	89	26 - 150	3	20
Ethylbenzene	5800		13900	19400		ug/Kg	☼	98	67 - 136	4	20
1,2-Dibromoethane	<97		13900	15000		ug/Kg	☼	108	65 - 133	0	20
Hexachlorobutadiene	<220		13900	10900		ug/Kg	☼	78	46 - 150	2	20
Isopropylbenzene	2700		13900	16500		ug/Kg	☼	99	65 - 147	7	20
Methyl tert-butyl ether	<210		13900	13800		ug/Kg	☼	99	60 - 130	2	20
Methylene Chloride	<110		13900	12900		ug/Kg	☼	93	63 - 138	0	20
m&p-Xylene	19000		13900	30800		ug/Kg	☼	82	68 - 138	4	20
Naphthalene	2600		13900	15800		ug/Kg	☼	95	46 - 137	4	20
n-Butylbenzene	4200		13900	17400		ug/Kg	☼	95	64 - 144	7	20
N-Propylbenzene	9700		13900	22400		ug/Kg	☼	91	64 - 144	5	20
o-Xylene	3900		13900	17200		ug/Kg	☼	95	67 - 135	5	20
sec-Butylbenzene	2400		13900	16300		ug/Kg	☼	100	66 - 145	6	20
Tetrachloroethene	<75		13900	14400		ug/Kg	☼	103	67 - 150	3	20
Toluene	8200		13900	20100		ug/Kg	☼	86	68 - 137	6	20
trans-1,2-Dichloroethene	<130		13900	12400		ug/Kg	☼	89	65 - 138	2	20
trans-1,3-Dichloropropene	<55		13900	15500		ug/Kg	☼	111	58 - 143	2	20
Trichloroethene	<150		13900	13900		ug/Kg	☼	100	69 - 143	3	20
Trichlorofluoromethane	<260		13900	12400		ug/Kg	☼	89	35 - 150	4	20
Vinyl chloride	<190		13900	11900		ug/Kg	☼	85	56 - 150	7	20
cis-1,3-Dichloropropene	<130		13900	14900		ug/Kg	☼	107	61 - 148	3	20
Styrene	<130		13900	16100		ug/Kg	☼	115	68 - 137	2	20
tert-Butylbenzene	<150		13900	14700		ug/Kg	☼	105	67 - 146	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*108*		*49 - 148*
Toluene-d8 (Surr)	*100*		*50 - 149*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-663809/1-A
Matrix: Solid
Analysis Batch: 664455

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663809

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<38		190	38	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1221	<38		190	38	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1232	<38		190	38	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1242	<38		190	38	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1248	<38		190	38	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1254	<90		190	90	ug/Kg		04/04/23 08:52	04/10/23 13:56	1
PCB-1260	<90		190	90	ug/Kg		04/04/23 08:52	04/10/23 13:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*60 - 154*	*04/04/23 08:52*	*04/10/23 13:56*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*04/04/23 08:52*	*04/10/23 13:56*	*1*

Lab Sample ID: LCS 480-663809/2-A
Matrix: Solid
Analysis Batch: 664455

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663809

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2190	2420		ug/Kg		110	51 - 185		
PCB-1260			2190	2100		ug/Kg		96	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*107*		*60 - 154*
DCB Decachlorobiphenyl	*112*		*65 - 174*

Lab Sample ID: 480-207437-1 MS
Matrix: Solid
Analysis Batch: 664455

Client Sample ID: P5M1-4
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<52	F1	2540	4620	F1	ug/Kg	☼	181	50 - 177		
PCB-1260	<130		2540	4140		ug/Kg	☼	163	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*168*	*X*	*60 - 154*
DCB Decachlorobiphenyl	*176*	*X*	*65 - 174*

Lab Sample ID: 480-207437-1 MSD
Matrix: Solid
Analysis Batch: 664455

Client Sample ID: P5M1-4
Prep Type: Total/NA
Prep Batch: 663809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<52	F1	2320	4940	F1	ug/Kg	☼	213	50 - 177	7	50
PCB-1260	<130		2320	4570		ug/Kg	☼	197	33 - 200	10	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*189*	*X*	*60 - 154*
DCB Decachlorobiphenyl	*204*	*X*	*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-663751/1-A
Matrix: Solid
Analysis Batch: 664153

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663751

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.38		1.9	0.38	mg/Kg		04/04/23 07:29	04/05/23 20:07	1
Barium	<0.11		0.48	0.11	mg/Kg		04/04/23 07:29	04/05/23 20:07	1
Cadmium	<0.029		0.19	0.029	mg/Kg		04/04/23 07:29	04/05/23 20:07	1
Chromium	<0.19		0.48	0.19	mg/Kg		04/04/23 07:29	04/05/23 20:07	1
Selenium	<0.38		3.8	0.38	mg/Kg		04/04/23 07:29	04/05/23 20:07	1

Lab Sample ID: MB 480-663751/1-A
Matrix: Solid
Analysis Batch: 664494

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663751

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.23		0.96	0.23	mg/Kg		04/04/23 07:29	04/07/23 14:16	1

Lab Sample ID: LCSSRM 480-663751/2-A
Matrix: Solid
Analysis Batch: 664153

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663751

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	129	97.01		mg/Kg		75.2	60.9 - 113.2
Barium	169	136.6		mg/Kg		80.9	68.6 - 114.2
Cadmium	227	164.6		mg/Kg		72.5	64.8 - 110.1
Chromium	115	90.21		mg/Kg		78.4	62.4 - 115.7
Lead	74.8	79.81		mg/Kg		106.7	67.0 - 128.9
Selenium	246	180.3		mg/Kg		73.3	60.2 - 114.6

Lab Sample ID: MB 480-664352/1-A
Matrix: Solid
Analysis Batch: 664595

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 664352

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.57	0.19	mg/Kg		04/07/23 14:36	04/10/23 12:54	1

Lab Sample ID: LCSSRM 480-664352/2-A
Matrix: Solid
Analysis Batch: 664595

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 664352

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	66.52		mg/Kg		76.0	63.7 - 115.4

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-207437-4 MS
Matrix: Solid
Analysis Batch: 664595

Client Sample ID: P5M1-11B
Prep Type: Total/NA
Prep Batch: 664352

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver	<0.21		11.1	10.30		mg/Kg	☼	93	75 - 125		

Lab Sample ID: 480-207437-4 MSD
Matrix: Solid
Analysis Batch: 664595

Client Sample ID: P5M1-11B
Prep Type: Total/NA
Prep Batch: 664352

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	<0.21		11.4	11.06		mg/Kg	☼	97	75 - 125	7	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-663757/1-A
Matrix: Solid
Analysis Batch: 664019

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 663757

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<3.0		13.2	3.0	ug/Kg		04/04/23 11:11	04/05/23 08:52	1

Lab Sample ID: LCSSRM 480-663757/2-A ^10
Matrix: Solid
Analysis Batch: 664019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 663757

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			20700	12970		ug/Kg		62.7	38.3 - 110.1		

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

GC/MS VOA

Analysis Batch: 663814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	8260C	663843
480-207437-2	P5M2-4	Total/NA	Solid	8260C	663843
480-207437-3	P5M1-11A	Total/NA	Solid	8260C	663843
480-207437-4	P5M1-11B	Total/NA	Solid	8260C	663843
480-207437-5	P5M1-12A	Total/NA	Solid	8260C	663843
480-207437-6	P5M1-12B	Total/NA	Solid	8260C	663843
480-207437-7	P5M1-13A	Total/NA	Solid	8260C	663843
480-207437-8	P5M1-13B	Total/NA	Solid	8260C	663843
480-207437-9	P5M1-14A	Total/NA	Solid	8260C	663843
480-207437-10	P5M1-14B	Total/NA	Solid	8260C	663843
480-207437-11	P5M1-2	Total/NA	Solid	8260C	663843
480-207437-12	P5M1-3	Total/NA	Solid	8260C	663843
480-207437-13	P5M1-5	Total/NA	Solid	8260C	663843
MB 480-663843/1-A	Method Blank	Total/NA	Solid	8260C	663843
LCS 480-663843/2-A	Lab Control Sample	Total/NA	Solid	8260C	663843
480-207437-11 MS	P5M1-2	Total/NA	Solid	8260C	663843
480-207437-11 MSD	P5M1-2	Total/NA	Solid	8260C	663843

Prep Batch: 663843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	5035A_H	
480-207437-2	P5M2-4	Total/NA	Solid	5035A_H	
480-207437-3	P5M1-11A	Total/NA	Solid	5035A_H	
480-207437-4	P5M1-11B	Total/NA	Solid	5035A_H	
480-207437-5	P5M1-12A	Total/NA	Solid	5035A_H	
480-207437-6	P5M1-12B	Total/NA	Solid	5035A_H	
480-207437-7	P5M1-13A	Total/NA	Solid	5035A_H	
480-207437-8	P5M1-13B	Total/NA	Solid	5035A_H	
480-207437-9	P5M1-14A	Total/NA	Solid	5035A_H	
480-207437-10	P5M1-14B	Total/NA	Solid	5035A_H	
480-207437-11	P5M1-2	Total/NA	Solid	5035A_H	
480-207437-12	P5M1-3	Total/NA	Solid	5035A_H	
480-207437-13	P5M1-5	Total/NA	Solid	5035A_H	
MB 480-663843/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-663843/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-207437-11 MS	P5M1-2	Total/NA	Solid	5035A_H	
480-207437-11 MSD	P5M1-2	Total/NA	Solid	5035A_H	

GC Semi VOA

Prep Batch: 663809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	3550C	
480-207437-2	P5M2-4	Total/NA	Solid	3550C	
480-207437-3	P5M1-11A	Total/NA	Solid	3550C	
480-207437-4	P5M1-11B	Total/NA	Solid	3550C	
480-207437-5	P5M1-12A	Total/NA	Solid	3550C	
480-207437-6	P5M1-12B	Total/NA	Solid	3550C	
480-207437-7	P5M1-13A	Total/NA	Solid	3550C	
480-207437-8	P5M1-13B	Total/NA	Solid	3550C	
480-207437-9	P5M1-14A	Total/NA	Solid	3550C	

GC Semi VOA (Continued)

Prep Batch: 663809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-10	P5M1-14B	Total/NA	Solid	3550C	
480-207437-11	P5M1-2	Total/NA	Solid	3550C	
480-207437-12	P5M1-3	Total/NA	Solid	3550C	
480-207437-13	P5M1-5	Total/NA	Solid	3550C	
MB 480-663809/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-663809/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-207437-1 MS	P5M1-4	Total/NA	Solid	3550C	
480-207437-1 MSD	P5M1-4	Total/NA	Solid	3550C	

Analysis Batch: 664455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	8082A	663809
MB 480-663809/1-A	Method Blank	Total/NA	Solid	8082A	663809
LCS 480-663809/2-A	Lab Control Sample	Total/NA	Solid	8082A	663809
480-207437-1 MS	P5M1-4	Total/NA	Solid	8082A	663809
480-207437-1 MSD	P5M1-4	Total/NA	Solid	8082A	663809

Analysis Batch: 664598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-2	P5M2-4	Total/NA	Solid	8082A	663809
480-207437-3	P5M1-11A	Total/NA	Solid	8082A	663809
480-207437-4	P5M1-11B	Total/NA	Solid	8082A	663809
480-207437-5	P5M1-12A	Total/NA	Solid	8082A	663809
480-207437-6	P5M1-12B	Total/NA	Solid	8082A	663809
480-207437-7	P5M1-13A	Total/NA	Solid	8082A	663809
480-207437-8	P5M1-13B	Total/NA	Solid	8082A	663809
480-207437-9	P5M1-14A	Total/NA	Solid	8082A	663809
480-207437-10	P5M1-14B	Total/NA	Solid	8082A	663809
480-207437-11	P5M1-2	Total/NA	Solid	8082A	663809
480-207437-12	P5M1-3	Total/NA	Solid	8082A	663809
480-207437-13	P5M1-5	Total/NA	Solid	8082A	663809

Metals

Prep Batch: 663751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	3050B	
480-207437-2	P5M2-4	Total/NA	Solid	3050B	
480-207437-3	P5M1-11A	Total/NA	Solid	3050B	
480-207437-4	P5M1-11B	Total/NA	Solid	3050B	
480-207437-5	P5M1-12A	Total/NA	Solid	3050B	
480-207437-6	P5M1-12B	Total/NA	Solid	3050B	
480-207437-7	P5M1-13A	Total/NA	Solid	3050B	
480-207437-8	P5M1-13B	Total/NA	Solid	3050B	
480-207437-9	P5M1-14A	Total/NA	Solid	3050B	
480-207437-10	P5M1-14B	Total/NA	Solid	3050B	
480-207437-11	P5M1-2	Total/NA	Solid	3050B	
480-207437-12	P5M1-3	Total/NA	Solid	3050B	
480-207437-13	P5M1-5	Total/NA	Solid	3050B	
MB 480-663751/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-663751/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals

Prep Batch: 663757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	7471B	
480-207437-2	P5M2-4	Total/NA	Solid	7471B	
480-207437-3	P5M1-11A	Total/NA	Solid	7471B	
480-207437-4	P5M1-11B	Total/NA	Solid	7471B	
480-207437-5	P5M1-12A	Total/NA	Solid	7471B	
480-207437-6	P5M1-12B	Total/NA	Solid	7471B	
480-207437-7	P5M1-13A	Total/NA	Solid	7471B	
480-207437-8	P5M1-13B	Total/NA	Solid	7471B	
480-207437-9	P5M1-14A	Total/NA	Solid	7471B	
480-207437-10	P5M1-14B	Total/NA	Solid	7471B	
480-207437-11	P5M1-2	Total/NA	Solid	7471B	
480-207437-12	P5M1-3	Total/NA	Solid	7471B	
480-207437-13	P5M1-5	Total/NA	Solid	7471B	
MB 480-663757/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-663757/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 664019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	7471B	663757
480-207437-2	P5M2-4	Total/NA	Solid	7471B	663757
480-207437-3	P5M1-11A	Total/NA	Solid	7471B	663757
480-207437-4	P5M1-11B	Total/NA	Solid	7471B	663757
480-207437-5	P5M1-12A	Total/NA	Solid	7471B	663757
480-207437-6	P5M1-12B	Total/NA	Solid	7471B	663757
480-207437-7	P5M1-13A	Total/NA	Solid	7471B	663757
480-207437-8	P5M1-13B	Total/NA	Solid	7471B	663757
480-207437-9	P5M1-14A	Total/NA	Solid	7471B	663757
480-207437-10	P5M1-14B	Total/NA	Solid	7471B	663757
480-207437-11	P5M1-2	Total/NA	Solid	7471B	663757
480-207437-12	P5M1-3	Total/NA	Solid	7471B	663757
480-207437-13	P5M1-5	Total/NA	Solid	7471B	663757
MB 480-663757/1-A	Method Blank	Total/NA	Solid	7471B	663757
LCSSRM 480-663757/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	663757

Analysis Batch: 664153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	6010C	663751
480-207437-2	P5M2-4	Total/NA	Solid	6010C	663751
480-207437-3	P5M1-11A	Total/NA	Solid	6010C	663751
480-207437-4	P5M1-11B	Total/NA	Solid	6010C	663751
480-207437-5	P5M1-12A	Total/NA	Solid	6010C	663751
480-207437-6	P5M1-12B	Total/NA	Solid	6010C	663751
480-207437-7	P5M1-13A	Total/NA	Solid	6010C	663751
480-207437-8	P5M1-13B	Total/NA	Solid	6010C	663751
480-207437-9	P5M1-14A	Total/NA	Solid	6010C	663751
480-207437-10	P5M1-14B	Total/NA	Solid	6010C	663751
480-207437-11	P5M1-2	Total/NA	Solid	6010C	663751
480-207437-12	P5M1-3	Total/NA	Solid	6010C	663751
480-207437-13	P5M1-5	Total/NA	Solid	6010C	663751
MB 480-663751/1-A	Method Blank	Total/NA	Solid	6010C	663751
LCSSRM 480-663751/2-A	Lab Control Sample	Total/NA	Solid	6010C	663751

Metals

Analysis Batch: 664341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-8	P5M1-13B	Total/NA	Solid	6010C	663751

Prep Batch: 664352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	3050B	
480-207437-2	P5M2-4	Total/NA	Solid	3050B	
480-207437-3	P5M1-11A	Total/NA	Solid	3050B	
480-207437-4	P5M1-11B	Total/NA	Solid	3050B	
480-207437-5	P5M1-12A	Total/NA	Solid	3050B	
480-207437-6	P5M1-12B	Total/NA	Solid	3050B	
480-207437-7	P5M1-13A	Total/NA	Solid	3050B	
480-207437-8	P5M1-13B	Total/NA	Solid	3050B	
480-207437-9	P5M1-14A	Total/NA	Solid	3050B	
480-207437-10	P5M1-14B	Total/NA	Solid	3050B	
480-207437-11	P5M1-2	Total/NA	Solid	3050B	
480-207437-12	P5M1-3	Total/NA	Solid	3050B	
480-207437-13	P5M1-5	Total/NA	Solid	3050B	
MB 480-664352/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-664352/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-207437-4 MS	P5M1-11B	Total/NA	Solid	3050B	
480-207437-4 MSD	P5M1-11B	Total/NA	Solid	3050B	

Analysis Batch: 664494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-663751/1-A	Method Blank	Total/NA	Solid	6010C	663751

Analysis Batch: 664595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	6010C	664352
480-207437-2	P5M2-4	Total/NA	Solid	6010C	664352
480-207437-3	P5M1-11A	Total/NA	Solid	6010C	664352
480-207437-4	P5M1-11B	Total/NA	Solid	6010C	664352
480-207437-5	P5M1-12A	Total/NA	Solid	6010C	664352
480-207437-6	P5M1-12B	Total/NA	Solid	6010C	664352
480-207437-7	P5M1-13A	Total/NA	Solid	6010C	664352
480-207437-8	P5M1-13B	Total/NA	Solid	6010C	664352
480-207437-9	P5M1-14A	Total/NA	Solid	6010C	664352
480-207437-10	P5M1-14B	Total/NA	Solid	6010C	664352
480-207437-11	P5M1-2	Total/NA	Solid	6010C	664352
480-207437-12	P5M1-3	Total/NA	Solid	6010C	664352
480-207437-13	P5M1-5	Total/NA	Solid	6010C	664352
MB 480-664352/1-A	Method Blank	Total/NA	Solid	6010C	664352
LCSSRM 480-664352/2-A	Lab Control Sample	Total/NA	Solid	6010C	664352
480-207437-4 MS	P5M1-11B	Total/NA	Solid	6010C	664352
480-207437-4 MSD	P5M1-11B	Total/NA	Solid	6010C	664352

General Chemistry

Analysis Batch: 663778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-1	P5M1-4	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 663778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207437-2	P5M2-4	Total/NA	Solid	Moisture	
480-207437-3	P5M1-11A	Total/NA	Solid	Moisture	
480-207437-4	P5M1-11B	Total/NA	Solid	Moisture	
480-207437-5	P5M1-12A	Total/NA	Solid	Moisture	
480-207437-6	P5M1-12B	Total/NA	Solid	Moisture	
480-207437-7	P5M1-13A	Total/NA	Solid	Moisture	
480-207437-8	P5M1-13B	Total/NA	Solid	Moisture	
480-207437-9	P5M1-14A	Total/NA	Solid	Moisture	
480-207437-10	P5M1-14B	Total/NA	Solid	Moisture	
480-207437-11	P5M1-2	Total/NA	Solid	Moisture	
480-207437-12	P5M1-3	Total/NA	Solid	Moisture	
480-207437-13	P5M1-5	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-1
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 14:41
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664455	DSC	EET BUF	04/10/23 12:49
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:26
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:01
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 08:55

Client Sample ID: P5M2-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M2-4
Date Collected: 03/29/23 11:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-2
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 15:04
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 21:45
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:30
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:05
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 08:56

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-11A
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-11A
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-3
Matrix: Solid
Percent Solids: 75.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 15:27
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 21:58
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:34
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:21
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 08:57

Client Sample ID: P5M1-11B
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-11B
Date Collected: 03/30/23 07:15
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-4
Matrix: Solid
Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 15:50
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 22:12
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:38
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:25
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 08:59

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-12A
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-12A
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-5
Matrix: Solid
Percent Solids: 94.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 16:14
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 22:25
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:42
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:44
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:00

Client Sample ID: P5M1-12B
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-12B
Date Collected: 03/30/23 07:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-6
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 16:37
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 22:38
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:46
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:48
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:01

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-13A
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-13A
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-7
Matrix: Solid
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 17:00
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 23:18
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:50
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 13:52
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:03

Client Sample ID: P5M1-13B
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-13B
Date Collected: 03/30/23 08:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-8
Matrix: Solid
Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 17:23
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 23:32
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 20:54
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		2	664341	BMB	EET BUF	04/06/23 14:11
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:08
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:04

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-14A
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-14A
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-9
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 17:46
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 23:45
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 21:10
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:12
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:08

Client Sample ID: P5M1-14B
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-14B
Date Collected: 03/30/23 09:00
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-10
Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 18:10
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/10/23 23:59
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 21:14
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:16
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:09

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-2
Date Collected: 03/30/23 12:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-2
Date Collected: 03/30/23 12:30
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-11
Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		10	663814	ATG	EET BUF	04/04/23 18:33
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/11/23 00:12
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 21:18
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:20
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:10

Client Sample ID: P5M1-3
Date Collected: 03/30/23 12:35
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-3
Date Collected: 03/30/23 12:35
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-12
Matrix: Solid
Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 18:56
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/11/23 00:25
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 21:22
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:24
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:12

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Client Sample ID: P5M1-5

Date Collected: 03/30/23 12:40
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	663778	DSC	EET BUF	04/03/23 22:37

Client Sample ID: P5M1-5

Date Collected: 03/30/23 12:40
Date Received: 04/03/23 09:30

Lab Sample ID: 480-207437-13

Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			663843	ATG	EET BUF	04/04/23 09:55
Total/NA	Analysis	8260C		1	663814	ATG	EET BUF	04/04/23 19:20
Total/NA	Prep	3550C			663809	VXF	EET BUF	04/04/23 08:52
Total/NA	Analysis	8082A		1	664598	NC	EET BUF	04/11/23 00:39
Total/NA	Prep	3050B			663751	NVK	EET BUF	04/04/23 07:29
Total/NA	Analysis	6010C		1	664153	LMH	EET BUF	04/05/23 21:26
Total/NA	Prep	3050B			664352	NVK	EET BUF	04/07/23 14:36
Total/NA	Analysis	6010C		1	664595	LMH	EET BUF	04/10/23 14:28
Total/NA	Prep	7471B			663757	NVK	EET BUF	04/04/23 11:11
Total/NA	Analysis	7471B		1	664019	NVK	EET BUF	04/05/23 09:13

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-207437-1	P5M1-4	Solid	03/29/23 11:30	04/03/23 09:30
480-207437-2	P5M2-4	Solid	03/29/23 11:30	04/03/23 09:30
480-207437-3	P5M1-11A	Solid	03/30/23 07:15	04/03/23 09:30
480-207437-4	P5M1-11B	Solid	03/30/23 07:15	04/03/23 09:30
480-207437-5	P5M1-12A	Solid	03/30/23 07:30	04/03/23 09:30
480-207437-6	P5M1-12B	Solid	03/30/23 07:30	04/03/23 09:30
480-207437-7	P5M1-13A	Solid	03/30/23 08:00	04/03/23 09:30
480-207437-8	P5M1-13B	Solid	03/30/23 08:00	04/03/23 09:30
480-207437-9	P5M1-14A	Solid	03/30/23 09:00	04/03/23 09:30
480-207437-10	P5M1-14B	Solid	03/30/23 09:00	04/03/23 09:30
480-207437-11	P5M1-2	Solid	03/30/23 12:30	04/03/23 09:30
480-207437-12	P5M1-3	Solid	03/30/23 12:35	04/03/23 09:30
480-207437-13	P5M1-5	Solid	03/30/23 12:40	04/03/23 09:30

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-207437-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Tyler A Hoops	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-180003-38489.2
Client Contact: ~~Ryan Baeten~~ Dan Roche	Phone: 920-401-8006	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			
City: Menomonee Falls	TAT Requested (days):			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: ~~rbaeten@wm.com~~ droche@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site:	SSOW#:			

Analysis Requested

480-207437 Chain of Custody

Preservation Codes:
A - HCl
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2O3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4-5
Y - Trizma
Z - other (specify)
L - EDA
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	PID READING	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N			
P5M1-4	3/29	11:30	G	Solid			X	X	1.5 PPM		Grey Sand
P5M2-4	3/29	11:30	G	Solid			X	X	1.0 PPM		Grayish Gravel
P5M1-11A	3/30	7:15	G	Solid			X	X	3.4 PPM		Dark brown/black Sc
P5M1-11B	3/30	7:15	G	Solid			X	X	3.2 PPM		Brown Sand
P5M1-12A	3/30	7:30	G	Solid			X	X	5.0 PPM		Grey Gravel
P5M1-12B	3/30	7:30	G	Solid			X	X	3.6 PPM		Light Grey Gravel
P5M1-13A	3/30	8:00	G	Solid			X	X	0.9 PPM		Dark Soil (Brown/Blk
P5M1-13B	3/30	8:00	G	Solid			X	X	3.6 PPM		Brown/Grey Soil
P5M1-14A	3/30	9:00	G	Solid			X	X	2.4 PPM		Light Brown Clay
P5M1-14B	3/30	9:00	G	Solid			X	X	1.8 PPM		Light Brown/Gray Cl
P5M1-2	3/30	12:30	G	Solid			X	X	200.0 PPM		Grayish Soil

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/30/23 14:08	Company: SCS	Received by: 4/3/23 930
Relinquished by:	Date/Time:	Company:	Received by:
Relinquished by:	Date/Time:	Company:	Received by:

Date/Time: Company: TA
Date/Time: Company:
Date/Time: Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 8.6 #1 ICE

Ver: 06/08/2021

4/11/2023

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

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Client Information	Sampler: Tyler A Hoops	Lab PM: Fischer, Brian J	Carrier Tracking No(s):	COC No: 480-180003-38489.2
Client Contact: ~~Ryan Baeten~~ Dan Roche	Phone: 920-401-8004	E-Mail: Brian.Fischer@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: Waste Management	PWSID:			Job #:
Address: W124 N9355 Boundary Road	Due Date Requested:			
City: Menomonee Falls	TAT Requested (days):			
State, Zip: WI, 53051	Compliance Project: Δ Yes Δ No			
Phone:	PO #: Purchase Order Requested			
Email: ~~rbaeten@wm.com~~ droche@wm.com	WO #:			
Project Name: Orchard Ridge-Boundary Rd	Project #: 48025931			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B, 8082A	8260C - VOCs	PID READING	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N			
PSM1 - 3	3/30	12:35	G	Solid			X	X	2.9 PPM		Gray Soil/Gravel
PSM1 - 5	3/30	12:40	G	Solid			X	X	4.3 PPM		Gray Clay/Soil
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							
				Solid							

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/30/23 14:08	Company SCJ	Received by: 4/3/23 930 Date/Time:	Company DTA
Relinquished by:	Date/Time:	Company	Received by: Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by: Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 0.6 #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-207437-1

Login Number: 207437
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	8.6 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 4/21/2023 5:26:30 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-207848-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Eurofins Buffalo

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
4/21/2023 5:26:30 PM

Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-207848-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-207848-1

Comments
No additional comments.

Receipt
The samples were received on 4/14/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.7º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis: P5M1-6 (480-207848-1) and P5M2-6 (480-207848-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 665750 recovered above the upper control limit for trans-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5M1-6 (480-207848-1) and P5M2-6 (480-207848-2).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-665595 and analytical batch 480-665750 recovered outside control limits for the following analytes: trans-1,3-Dichloropropene, 1,2,3-Trichloropropane, and cis-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Client Sample ID: P5M1-6

Lab Sample ID: 480-207848-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Chlorobenzene	15	J	45	5.9	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	13	J	45	13	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	43	J	45	6.7	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	40	J	89	25	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	28	J	45	12	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	8.7	J	45	5.8	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	49	J	89	25	ug/Kg	1	☼	8260C	Total/NA
Arsenic	1.9	J	2.1	0.42	mg/Kg	1	☼	6010C	Total/NA
Barium	19.6		0.52	0.11	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.33		0.21	0.031	mg/Kg	1	☼	6010C	Total/NA
Chromium	8.1		0.52	0.21	mg/Kg	1	☼	6010C	Total/NA
Lead	7.6		1.0	0.25	mg/Kg	1	☼	6010C	Total/NA
Mercury	9.4	J	21.5	4.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-6

Lab Sample ID: 480-207848-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	59		43	6.5	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	50	J	86	24	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	17	J	43	5.6	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	67	J	86	24	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.5		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	43.5		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.072	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.5		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	11.7		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	12.5	J	23.2	5.3	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Client Sample ID: P5M1-6
Date Collected: 04/12/23 14:00
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-1
Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<13		45	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1,1-Trichloroethane	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1,2,2-Tetrachloroethane	<7.2		45	7.2	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1,2-Trichloroethane	<9.4		45	9.4	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1-Dichloroethane	<14		45	14	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1-Dichloroethene	<15		45	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,1-Dichloropropene	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2,3-Trichlorobenzene	<21		45	21	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2,3-Trichloropropane	<9.9	*	45	9.9	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2,4-Trichlorobenzene	<17		45	17	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2,4-Trimethylbenzene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2-Dibromo-3-Chloropropane	<22		45	22	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2-Dichlorobenzene	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2-Dichloroethane	<18		45	18	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2-Dichloropropane	<7.2		45	7.2	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,3,5-Trimethylbenzene	<13		45	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,3-Dichlorobenzene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,3-Dichloropropane	<8.1		45	8.1	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,4-Dichlorobenzene	<6.2		45	6.2	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
2,2-Dichloropropane	<10		45	10	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
2-Chlorotoluene	<17		45	17	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
4-Chlorotoluene	<9.0		45	9.0	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
p-Isopropyltoluene	<15		45	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Benzene	<8.5		45	8.5	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Bromobenzene	<9.8		45	9.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Bromoform	<22		45	22	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Bromomethane	<9.8		45	9.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Carbon tetrachloride	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Chlorobenzene	**15**	**J**	45	5.9	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Bromochloromethane	<16		45	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Dibromochloromethane	<22		45	22	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Chloroethane	<9.3		45	9.3	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Chloroform	<31		45	31	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Chloromethane	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
cis-1,2-Dichloroethene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Dibromomethane	<14		45	14	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Bromodichloromethane	<8.9		45	8.9	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Dichlorodifluoromethane	<19		45	19	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Ethylbenzene	**13**	**J**	45	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
1,2-Dibromoethane	<7.8		45	7.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Hexachlorobutadiene	<18		45	18	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Isopropyl ether	<24		45	24	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Isopropylbenzene	**43**	**J**	45	6.7	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Methyl tert-butyl ether	<17		45	17	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Methylene Chloride	<8.8		45	8.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
m&p-Xylene	**40**	**J**	89	25	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Naphthalene	<15		45	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
n-Butylbenzene	<13		45	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
N-Propylbenzene	**28**	**J**	45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1

Client Sample ID: P5M1-6
Date Collected: 04/12/23 14:00
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-1
Matrix: Solid
Percent Solids: 96.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**8.7**	**J**	45	5.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
sec-Butylbenzene	<16		45	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Tetrachloroethene	<6.0		45	6.0	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Toluene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
trans-1,2-Dichloroethene	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
trans-1,3-Dichloropropene	<4.4	^c *	45	4.4	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Trichloroethene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Trichlorofluoromethane	<21		45	21	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Vinyl chloride	<15		45	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Xylenes, Total	**49**	**J**	89	25	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
cis-1,3-Dichloropropene	<11	*	45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
Styrene	<11		45	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1
tert-Butylbenzene	<12		45	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*04/17/23 10:34*	*04/18/23 15:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*04/17/23 10:34*	*04/18/23 15:15*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*04/17/23 10:34*	*04/18/23 15:15*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*	*04/17/23 10:34*	*04/18/23 15:15*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1221	<47		240	47	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1232	<47		240	47	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1242	<47		240	47	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1248	<47		240	47	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1254	<110		240	110	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1
PCB-1260	<110		240	110	ug/Kg	☼	04/17/23 07:33	04/17/23 19:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*04/17/23 07:33*	*04/17/23 19:36*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*04/17/23 07:33*	*04/17/23 19:36*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.63	0.21	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Arsenic	**1.9**	**J**	2.1	0.42	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Barium	**19.6**		0.52	0.11	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Cadmium	**0.33**		0.21	0.031	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Chromium	**8.1**		0.52	0.21	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Lead	**7.6**		1.0	0.25	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1
Selenium	<0.42		4.2	0.42	mg/Kg	☼	04/20/23 14:31	04/21/23 13:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**9.4**	**J**	21.5	4.9	ug/Kg	☼	04/18/23 09:48	04/18/23 13:05	1

Client Sample ID: P5M2-6
Date Collected: 04/12/23 14:30
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-2
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1,1-Trichloroethane	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1,2,2-Tetrachloroethane	<7.0		43	7.0	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1,2-Trichloroethane	<9.1		43	9.1	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1-Dichloroethane	<13		43	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1-Dichloroethene	<15		43	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,1-Dichloropropene	<11		43	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2,3-Trichlorobenzene	<20		43	20	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2,3-Trichloropropane	<9.6	*	43	9.6	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2,4-Trichlorobenzene	<16		43	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2,4-Trimethylbenzene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2-Dibromo-3-Chloropropane	<22		43	22	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2-Dichlorobenzene	<11		43	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2-Dichloroethane	<18		43	18	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2-Dichloropropane	<7.0		43	7.0	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,3,5-Trimethylbenzene	<13		43	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,3-Dichlorobenzene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,3-Dichloropropane	<7.9		43	7.9	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,4-Dichlorobenzene	<6.1		43	6.1	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
2,2-Dichloropropane	<9.8		43	9.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
2-Chlorotoluene	<17		43	17	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
4-Chlorotoluene	<8.8		43	8.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
p-Isopropyltoluene	<15		43	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Benzene	<8.2		43	8.2	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Bromobenzene	<9.5		43	9.5	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Bromoform	<22		43	22	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Bromomethane	<9.5		43	9.5	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Carbon tetrachloride	<11		43	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Chlorobenzene	<5.7		43	5.7	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Bromochloromethane	<16		43	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Dibromochloromethane	<21		43	21	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Chloroethane	<9.0		43	9.0	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Chloroform	<30		43	30	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Chloromethane	<10		43	10	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
cis-1,2-Dichloroethene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Dibromomethane	<14		43	14	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Bromodichloromethane	<8.6		43	8.6	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Dichlorodifluoromethane	<19		43	19	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Ethylbenzene	<13		43	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
1,2-Dibromoethane	<7.6		43	7.6	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Hexachlorobutadiene	<17		43	17	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Isopropyl ether	<23		43	23	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Isopropylbenzene	**59**		43	6.5	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Methyl tert-butyl ether	<16		43	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Methylene Chloride	<8.6		43	8.6	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
m&p-Xylene	**50**	**J**	86	24	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Naphthalene	<15		43	15	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
n-Butylbenzene	<13		43	13	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
N-Propylbenzene	<11		43	11	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1

Client Sample ID: P5M2-6
Date Collected: 04/12/23 14:30
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-2
Matrix: Solid
Percent Solids: 87.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**17**	**J**	43	5.6	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
sec-Butylbenzene	<16		43	16	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Tetrachloroethene	<5.8		43	5.8	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Toluene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
trans-1,2-Dichloroethene	<10		43	10	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
trans-1,3-Dichloropropene	<4.3	^c *	43	4.3	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Trichloroethene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Trichlorofluoromethane	<20		43	20	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Vinyl chloride	<14		43	14	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Xylenes, Total	**67**	**J**	86	24	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
cis-1,3-Dichloropropene	<10	*	43	10	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
Styrene	<10		43	10	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1
tert-Butylbenzene	<12		43	12	ug/Kg	☼	04/17/23 10:34	04/18/23 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*04/17/23 10:34*	*04/18/23 15:38*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*04/17/23 10:34*	*04/18/23 15:38*	*1*
Toluene-d8 (Surr)	*90*		*50 - 149*	*04/17/23 10:34*	*04/18/23 15:38*	*1*
Dibromofluoromethane (Surr)	*88*		*60 - 140*	*04/17/23 10:34*	*04/18/23 15:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1221	<45		230	45	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1232	<45		230	45	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1242	<45		230	45	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1248	<45		230	45	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1254	<110		230	110	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1
PCB-1260	<110		230	110	ug/Kg	☼	04/17/23 07:33	04/17/23 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*136*		*60 - 154*	*04/17/23 07:33*	*04/17/23 19:49*	*1*
DCB Decachlorobiphenyl	*149*		*65 - 174*	*04/17/23 07:33*	*04/17/23 19:49*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Arsenic	**2.5**		2.3	0.46	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Barium	**43.5**		0.57	0.13	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Cadmium	**0.072**	**J**	0.23	0.034	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Chromium	**9.5**		0.57	0.23	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Lead	**11.7**		1.1	0.27	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	04/20/23 14:31	04/21/23 13:33	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12.5**	**J**	23.2	5.3	ug/Kg	☼	04/18/23 09:48	04/18/23 13:10	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-207848-1	P5M1-6	106	99	93	93
480-207848-2	P5M2-6	101	93	90	88
LCS 480-665595/1-A	Lab Control Sample	102	103	98	99
MB 480-665595/3-A	Method Blank	99	100	96	89

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-207848-1	P5M1-6	120	125
480-207848-1 MS	P5M1-6	153	166
480-207848-1 MSD	P5M1-6	125	146
480-207848-2	P5M2-6	136	149
LCS 480-665539/2-A	Lab Control Sample	140	154
MB 480-665539/1-A	Method Blank	131	142

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-665595/3-A
Matrix: Solid
Analysis Batch: 665750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665595

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1-Dichloroethane	<31		100	31	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1-Dichloroethene	<35		100	35	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,1-Dichloropropene	<25		100	25	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2-Dichloroethane	<41		100	41	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2-Dichloropropane	<16		100	16	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,3-Dichloropropane	<18		100	18	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
2,2-Dichloropropane	<23		100	23	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
2-Chlorotoluene	<38		100	38	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
4-Chlorotoluene	<20		100	20	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
p-Isopropyltoluene	<34		100	34	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Benzene	<19		100	19	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Bromobenzene	<22		100	22	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Bromoform	<50		100	50	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Bromomethane	<22		100	22	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Carbon tetrachloride	<26		100	26	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Chlorobenzene	<13		100	13	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Bromochloromethane	<36		100	36	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Dibromochloromethane	<48		100	48	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Chloroethane	<21		100	21	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Chloroform	<69		100	69	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Chloromethane	<24		100	24	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Dibromomethane	<33		100	33	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Bromodichloromethane	<20		100	20	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Ethylbenzene	<29		100	29	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
1,2-Dibromoethane	<18		100	18	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Hexachlorobutadiene	<40		100	40	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Isopropyl ether	<53		100	53	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Isopropylbenzene	<15		100	15	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Methylene Chloride	<20		100	20	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
m&p-Xylene	<55		200	55	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Naphthalene	<34		100	34	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
n-Butylbenzene	<29		100	29	ug/Kg		04/17/23 10:34	04/18/23 14:40	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-665595/3-A
Matrix: Solid
Analysis Batch: 665750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665595

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
o-Xylene	<13		100	13	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
sec-Butylbenzene	<37		100	37	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Tetrachloroethene	<13		100	13	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Toluene	<27		100	27	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Trichloroethene	<28		100	28	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Trichlorofluoromethane	<47		100	47	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Vinyl chloride	<34		100	34	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Xylenes, Total	<55		200	55	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
Styrene	<24		100	24	ug/Kg		04/17/23 10:34	04/18/23 14:40	1
tert-Butylbenzene	<28		100	28	ug/Kg		04/17/23 10:34	04/18/23 14:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*04/17/23 10:34*	*04/18/23 14:40*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*04/17/23 10:34*	*04/18/23 14:40*	*1*
Toluene-d8 (Surr)	*96*		*50 - 149*	*04/17/23 10:34*	*04/18/23 14:40*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*04/17/23 10:34*	*04/18/23 14:40*	*1*

Lab Sample ID: LCS 480-665595/1-A
Matrix: Solid
Analysis Batch: 665750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2740		ug/Kg		110	78 - 120
1,1,1-Trichloroethane	2500	2670		ug/Kg		107	68 - 130
1,1,2,2-Tetrachloroethane	2500	2860		ug/Kg		114	73 - 120
1,1,2-Trichloroethane	2500	2920		ug/Kg		117	80 - 120
1,1-Dichloroethane	2500	2580		ug/Kg		103	78 - 121
1,1-Dichloroethene	2500	2350		ug/Kg		94	48 - 133
1,1-Dichloropropene	2500	2750		ug/Kg		110	75 - 121
1,2,3-Trichlorobenzene	2500	2350		ug/Kg		94	57 - 150
1,2,3-Trichloropropane	2500	3080	*	ug/Kg		123	75 - 120
1,2,4-Trichlorobenzene	2500	2260		ug/Kg		91	70 - 140
1,2,4-Trimethylbenzene	2500	2670		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2710		ug/Kg		109	56 - 122
1,2-Dichlorobenzene	2500	2610		ug/Kg		104	78 - 125
1,2-Dichloroethane	2500	2690		ug/Kg		108	74 - 127
1,2-Dichloropropane	2500	2830		ug/Kg		113	80 - 120
1,3,5-Trimethylbenzene	2500	2660		ug/Kg		106	79 - 120
1,3-Dichlorobenzene	2500	2680		ug/Kg		107	80 - 120
1,3-Dichloropropane	2500	2930		ug/Kg		117	80 - 120
1,4-Dichlorobenzene	2500	2680		ug/Kg		107	80 - 120
2,2-Dichloropropane	2500	2540		ug/Kg		102	58 - 142
2-Chlorotoluene	2500	2680		ug/Kg		107	72 - 122
4-Chlorotoluene	2500	2900		ug/Kg		116	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-665595/1-A
Matrix: Solid
Analysis Batch: 665750

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2400		ug/Kg		96	80 - 120
Benzene	2500	2750		ug/Kg		110	77 - 125
Bromobenzene	2500	2840		ug/Kg		113	78 - 120
Bromoform	2500	2930		ug/Kg		117	48 - 125
Bromomethane	2500	2540		ug/Kg		101	39 - 149
Carbon tetrachloride	2500	2770		ug/Kg		111	54 - 135
Chlorobenzene	2500	2680		ug/Kg		107	76 - 126
Bromochloromethane	2500	2630		ug/Kg		105	79 - 120
Dibromochloromethane	2500	2810		ug/Kg		112	64 - 120
Chloroethane	2500	2230		ug/Kg		89	23 - 150
Chloroform	2500	2500		ug/Kg		100	78 - 120
Chloromethane	2500	2370		ug/Kg		95	61 - 124
cis-1,2-Dichloroethene	2500	2610		ug/Kg		104	79 - 124
Dibromomethane	2500	2800		ug/Kg		112	79 - 120
Bromodichloromethane	2500	2700		ug/Kg		108	71 - 121
Dichlorodifluoromethane	2500	2210		ug/Kg		89	10 - 150
Ethylbenzene	2500	2830		ug/Kg		113	78 - 124
1,2-Dibromoethane	2500	2930		ug/Kg		117	80 - 120
Hexachlorobutadiene	2500	2250		ug/Kg		90	61 - 149
Isopropylbenzene	2500	2790		ug/Kg		112	76 - 120
Methyl tert-butyl ether	2500	2560		ug/Kg		102	67 - 137
Methylene Chloride	2500	2550		ug/Kg		102	75 - 118
m&p-Xylene	2500	2840		ug/Kg		114	77 - 125
Naphthalene	2500	2470		ug/Kg		99	65 - 142
n-Butylbenzene	2500	2800		ug/Kg		112	80 - 120
N-Propylbenzene	2500	2810		ug/Kg		112	76 - 120
o-Xylene	2500	2730		ug/Kg		109	80 - 124
sec-Butylbenzene	2500	2820		ug/Kg		113	79 - 120
Tetrachloroethene	2500	2800		ug/Kg		112	73 - 133
Toluene	2500	2750		ug/Kg		110	75 - 124
trans-1,2-Dichloroethene	2500	2530		ug/Kg		101	74 - 129
trans-1,3-Dichloropropene	2500	3160	*	ug/Kg		126	73 - 120
Trichloroethene	2500	2780		ug/Kg		111	75 - 131
Trichlorofluoromethane	2500	2760		ug/Kg		111	29 - 158
Vinyl chloride	2500	2500		ug/Kg		100	59 - 124
cis-1,3-Dichloropropene	2500	3080	*	ug/Kg		123	75 - 121
Styrene	2500	2980		ug/Kg		119	80 - 120
tert-Butylbenzene	2500	2810		ug/Kg		112	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*
Toluene-d8 (Surr)	*98*		*50 - 149*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-665539/1-A
Matrix: Solid
Analysis Batch: 665668

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 665539

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1221	<41		210	41	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1232	<41		210	41	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1242	<41		210	41	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1248	<41		210	41	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1254	<98		210	98	ug/Kg		04/17/23 07:33	04/17/23 18:42	1
PCB-1260	<98		210	98	ug/Kg		04/17/23 07:33	04/17/23 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*131*		*60 - 154*	*04/17/23 07:33*	*04/17/23 18:42*	*1*
DCB Decachlorobiphenyl	*142*		*65 - 174*	*04/17/23 07:33*	*04/17/23 18:42*	*1*

Lab Sample ID: LCS 480-665539/2-A
Matrix: Solid
Analysis Batch: 665668

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 665539

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2080	3520		ug/Kg		169	51 - 185		
PCB-1260			2080	3290		ug/Kg		158	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*140*		*60 - 154*
DCB Decachlorobiphenyl	*154*		*65 - 174*

Lab Sample ID: 480-207848-1 MS
Matrix: Solid
Analysis Batch: 665668

Client Sample ID: P5M1-6
Prep Type: Total/NA
Prep Batch: 665539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<47		2110	3610		ug/Kg	☼	171	50 - 177		
PCB-1260	<110		2110	3470		ug/Kg	☼	164	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*153*		*60 - 154*
DCB Decachlorobiphenyl	*166*		*65 - 174*

Lab Sample ID: 480-207848-1 MSD
Matrix: Solid
Analysis Batch: 665668

Client Sample ID: P5M1-6
Prep Type: Total/NA
Prep Batch: 665539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<47		2080	3010		ug/Kg	☼	144	50 - 177	18	50
PCB-1260	<110		2080	3010		ug/Kg	☼	144	33 - 200	14	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*125*		*60 - 154*
DCB Decachlorobiphenyl	*146*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-666175/1-A
Matrix: Solid
Analysis Batch: 666417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666175

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Arsenic	<0.40		2.0	0.40	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Barium	<0.11		0.50	0.11	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Cadmium	<0.030		0.20	0.030	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Chromium	<0.20		0.50	0.20	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Lead	<0.24		1.0	0.24	mg/Kg		04/20/23 14:31	04/21/23 12:54	1
Selenium	<0.40		4.0	0.40	mg/Kg		04/20/23 14:31	04/21/23 12:54	1

Lab Sample ID: LCSSRM 480-666175/2-A
Matrix: Solid
Analysis Batch: 666417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666175

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	74.48		mg/Kg		85.1	63.7 - 115.4		
Arsenic			129	100.7		mg/Kg		78.1	60.9 - 113.2		
Barium			169	145.1		mg/Kg		85.9	68.6 - 114.2		
Cadmium			227	180.9		mg/Kg		79.7	64.8 - 110.1		
Chromium			115	101.3		mg/Kg		88.1	62.4 - 115.7		
Lead			74.8	77.39		mg/Kg		103.5	67.0 - 128.9		
Selenium			246	191.6		mg/Kg		77.9	60.2 - 114.6		

Lab Sample ID: 480-207848-1 MS
Matrix: Solid
Analysis Batch: 666417

Client Sample ID: P5M1-6
Prep Type: Total/NA
Prep Batch: 666175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver	<0.21		10.7	11.00		mg/Kg	☼	102	75 - 125		
Arsenic	1.9	J	43.0	44.72		mg/Kg	☼	100	75 - 125		
Barium	19.6		43.0	62.97		mg/Kg	☼	101	75 - 125		
Cadmium	0.33		43.0	42.91		mg/Kg	☼	99	75 - 125		
Chromium	8.1		43.0	48.99		mg/Kg	☼	95	75 - 125		
Lead	7.6		43.0	50.05		mg/Kg	☼	99	75 - 125		
Selenium	<0.42		43.0	38.79		mg/Kg	☼	90	75 - 125		

Lab Sample ID: 480-207848-1 MSD
Matrix: Solid
Analysis Batch: 666417

Client Sample ID: P5M1-6
Prep Type: Total/NA
Prep Batch: 666175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver	<0.21		10.5	11.05		mg/Kg	☼	105	75 - 125	0	20
Arsenic	1.9	J	42.0	44.16		mg/Kg	☼	101	75 - 125	1	20
Barium	19.6		42.0	67.78		mg/Kg	☼	115	75 - 125	7	20
Cadmium	0.33		42.0	42.33		mg/Kg	☼	100	75 - 125	1	20
Chromium	8.1		42.0	49.62		mg/Kg	☼	99	75 - 125	1	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-207848-1 MSD — **Client Sample ID: P5M1-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 666417 — **Prep Batch: 666175**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	7.6		42.0	50.68		mg/Kg	☼	103	75 - 125	1	20
Selenium	<0.42		42.0	38.56		mg/Kg	☼	92	75 - 125	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-665710/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 665823 — **Prep Batch: 665710**

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.7		20.3	4.7	ug/Kg		04/18/23 09:48	04/18/23 13:01	1

Lab Sample ID: LCSSRM 480-665710/2-A ^10 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 665823 — **Prep Batch: 665710**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12370		ug/Kg		59.8	38.3 - 110.1

Lab Sample ID: 480-207848-1 MS — **Client Sample ID: P5M1-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 665823 — **Prep Batch: 665710**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	9.4	J	322	332.3		ug/Kg	☼	100	80 - 120

Lab Sample ID: 480-207848-1 MSD — **Client Sample ID: P5M1-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 665823 — **Prep Batch: 665710**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	9.4	J	347	348.2		ug/Kg	☼	98	80 - 120	5	20

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

GC/MS VOA

Prep Batch: 665595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	5035A_H	
480-207848-2	P5M2-6	Total/NA	Solid	5035A_H	
MB 480-665595/3-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-665595/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 665750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	8260C	665595
480-207848-2	P5M2-6	Total/NA	Solid	8260C	665595
MB 480-665595/3-A	Method Blank	Total/NA	Solid	8260C	665595
LCS 480-665595/1-A	Lab Control Sample	Total/NA	Solid	8260C	665595

GC Semi VOA

Prep Batch: 665539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	3550C	
480-207848-2	P5M2-6	Total/NA	Solid	3550C	
MB 480-665539/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-665539/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-207848-1 MS	P5M1-6	Total/NA	Solid	3550C	
480-207848-1 MSD	P5M1-6	Total/NA	Solid	3550C	

Analysis Batch: 665668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	8082A	665539
480-207848-2	P5M2-6	Total/NA	Solid	8082A	665539
MB 480-665539/1-A	Method Blank	Total/NA	Solid	8082A	665539
LCS 480-665539/2-A	Lab Control Sample	Total/NA	Solid	8082A	665539
480-207848-1 MS	P5M1-6	Total/NA	Solid	8082A	665539
480-207848-1 MSD	P5M1-6	Total/NA	Solid	8082A	665539

Metals

Prep Batch: 665710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	7471B	
480-207848-2	P5M2-6	Total/NA	Solid	7471B	
MB 480-665710/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-665710/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-207848-1 MS	P5M1-6	Total/NA	Solid	7471B	
480-207848-1 MSD	P5M1-6	Total/NA	Solid	7471B	

Analysis Batch: 665823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	7471B	665710
480-207848-2	P5M2-6	Total/NA	Solid	7471B	665710
MB 480-665710/1-A	Method Blank	Total/NA	Solid	7471B	665710
LCSSRM 480-665710/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	665710
480-207848-1 MS	P5M1-6	Total/NA	Solid	7471B	665710
480-207848-1 MSD	P5M1-6	Total/NA	Solid	7471B	665710

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Metals

Prep Batch: 666175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	3050B	
480-207848-2	P5M2-6	Total/NA	Solid	3050B	
MB 480-666175/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-666175/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-207848-1 MS	P5M1-6	Total/NA	Solid	3050B	
480-207848-1 MSD	P5M1-6	Total/NA	Solid	3050B	

Analysis Batch: 666417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	6010C	666175
480-207848-2	P5M2-6	Total/NA	Solid	6010C	666175
MB 480-666175/1-A	Method Blank	Total/NA	Solid	6010C	666175
LCSSRM 480-666175/2-A	Lab Control Sample	Total/NA	Solid	6010C	666175
480-207848-1 MS	P5M1-6	Total/NA	Solid	6010C	666175
480-207848-1 MSD	P5M1-6	Total/NA	Solid	6010C	666175

General Chemistry

Analysis Batch: 665672

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-207848-1	P5M1-6	Total/NA	Solid	Moisture	
480-207848-2	P5M2-6	Total/NA	Solid	Moisture	
480-207848-2 DU	P5M2-6	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Client Sample ID: P5M1-6
Date Collected: 04/12/23 14:00
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	665672	DSC	EET BUF	04/17/23 17:04

Client Sample ID: P5M1-6
Date Collected: 04/12/23 14:00
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-1
Matrix: Solid
Percent Solids: 96.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			665595	AXK	EET BUF	04/17/23 10:34
Total/NA	Analysis	8260C		1	665750	ATG	EET BUF	04/18/23 15:15
Total/NA	Prep	3550C			665539	VXF	EET BUF	04/17/23 07:33
Total/NA	Analysis	8082A		1	665668	NC	EET BUF	04/17/23 19:36
Total/NA	Prep	3050B			666175	VAK	EET BUF	04/20/23 14:31
Total/NA	Analysis	6010C		1	666417	BMB	EET BUF	04/21/23 13:02
Total/NA	Prep	7471B			665710	NVK	EET BUF	04/18/23 09:48
Total/NA	Analysis	7471B		1	665823	NVK	EET BUF	04/18/23 13:05

Client Sample ID: P5M2-6
Date Collected: 04/12/23 14:30
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	665672	DSC	EET BUF	04/17/23 17:04

Client Sample ID: P5M2-6
Date Collected: 04/12/23 14:30
Date Received: 04/14/23 10:00

Lab Sample ID: 480-207848-2
Matrix: Solid
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			665595	AXK	EET BUF	04/17/23 10:34
Total/NA	Analysis	8260C		1	665750	ATG	EET BUF	04/18/23 15:38
Total/NA	Prep	3550C			665539	VXF	EET BUF	04/17/23 07:33
Total/NA	Analysis	8082A		1	665668	NC	EET BUF	04/17/23 19:49
Total/NA	Prep	3050B			666175	VAK	EET BUF	04/20/23 14:31
Total/NA	Analysis	6010C		1	666417	BMB	EET BUF	04/21/23 13:33
Total/NA	Prep	7471B			665710	NVK	EET BUF	04/18/23 09:48
Total/NA	Analysis	7471B		1	665823	NVK	EET BUF	04/18/23 13:10

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-207848-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-207848-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-207848-1	P5M1-6	Solid	04/12/23 14:00	04/14/23 10:00
480-207848-2	P5M2-6	Solid	04/12/23 14:30	04/14/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-207848-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 4/12	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐ 1 week			Job / SDG No.:
P O # 48025931	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
P5M1-6	4/12	1400	G	S	3	N	N	X	X	PID 3.5 ppm
P5M2-6	4/12	1430	G	S	3	N	N	X	X	PID 6.0 ppm
								1	1	

480-207848 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for Months

Special Instructions/QC Requirements & Comments:

#1 4.9

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: Corr'd:		Therm ID No.:
Relinquished by: Colin Gloede	Company: SCS Engineers	Date/Time: 4/12 1500	Received by:	Company: AB	Date/Time: 4/14/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

4/21/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-207848-1

Login Number: 207848
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TCORES PUT IN FREEZER 4/14 @ 1550
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS ENG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 4/28/2023 9:51:27 AM Revision 1

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-208053-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
4/28/2023 9:51:27 AM
Revision 1

Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-208053-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208053-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 4/27/2023. The report (revision 1) has been revised to change the reporting format.

Receipt
The samples were received on 4/20/2023 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.7º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis: P5M1-7 (480-208053-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis: P5M2-7 (480-208053-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-666318 and analytical batch 480-666332 recovered outside control limits for the following analytes: trans-1,3-Dichloropropene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

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

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

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

Organic Prep
Method 3550C: The following sample: P5M2-7 (480-208053-2) were decanted prior to preparation.

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Client Sample ID: P5M1-7 — Lab Sample ID: 480-208053-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	54	J	56	11	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	41	J	56	16	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	150		110	31	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	20	J	56	15	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	150		110	31	ug/Kg	1	☼	8260C	Total/NA
Arsenic	4.6		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	68.9		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.10	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.9		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.8		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.5	J	22.0	5.1	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-7 — Lab Sample ID: 480-208053-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	47	J	90	17	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	64	J	180	50	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	64	J	180	50	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.2		3.1	0.62	mg/Kg	1	☼	6010C	Total/NA
Barium	60.0		0.78	0.17	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.058	J	0.31	0.047	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.2		0.78	0.31	mg/Kg	1	☼	6010C	Total/NA
Lead	6.1		1.6	0.37	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.9	J	29.0	6.7	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-7
Date Collected: 04/18/23 10:15
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-1
Matrix: Solid
Percent Solids: 83.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		56	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1,1-Trichloroethane	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1,2,2-Tetrachloroethane	<9.0		56	9.0	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1,2-Trichloroethane	<12		56	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1-Dichloroethane	<17		56	17	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1-Dichloroethene	<19		56	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,1-Dichloropropene	<14		56	14	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2,3-Trichlorobenzene	<26		56	26	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2,3-Trichloropropane	<12		56	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2,4-Trichlorobenzene	<21		56	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2,4-Trimethylbenzene	<16		56	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2-Dibromo-3-Chloropropane	<28		56	28	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2-Dichlorobenzene	<14		56	14	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2-Dichloroethane	<23		56	23	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2-Dichloropropane	<9.0		56	9.0	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,3,5-Trimethylbenzene	<17		56	17	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,3-Dichlorobenzene	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,3-Dichloropropane	<10		56	10	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,4-Dichlorobenzene	<7.8		56	7.8	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
2,2-Dichloropropane	<13		56	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
2-Chlorotoluene	<21		56	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
4-Chlorotoluene	<11		56	11	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
p-Isopropyltoluene	<19		56	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Benzene	**54**	**J**	56	11	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Bromobenzene	<12		56	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Bromoform	<28		56	28	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Bromomethane	<12		56	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Carbon tetrachloride	<14		56	14	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Chlorobenzene	<7.3		56	7.3	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Bromochloromethane	<20		56	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Dibromochloromethane	<27		56	27	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Chloroethane	<12		56	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Chloroform	<38		56	38	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Chloromethane	<13		56	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
cis-1,2-Dichloroethene	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Dibromomethane	<18		56	18	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Bromodichloromethane	<11		56	11	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Dichlorodifluoromethane	<24		56	24	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Ethylbenzene	**41**	**J**	56	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
1,2-Dibromoethane	<9.7		56	9.7	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Hexachlorobutadiene	<22		56	22	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Isopropyl ether	<30		56	30	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Isopropylbenzene	<8.3		56	8.3	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Methyl tert-butyl ether	<21		56	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Methylene Chloride	<11		56	11	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
m&p-Xylene	**150**		110	31	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Naphthalene	<19		56	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
n-Butylbenzene	<16		56	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
N-Propylbenzene	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1

Client Sample ID: P5M1-7
Date Collected: 04/18/23 10:15
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-1
Matrix: Solid
Percent Solids: 83.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.2		56	7.2	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
sec-Butylbenzene	<20		56	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Tetrachloroethene	<7.5		56	7.5	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Toluene	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
trans-1,2-Dichloroethene	<13		56	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
trans-1,3-Dichloropropene	<5.5	*	56	5.5	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Trichloroethene	**20**	**J**	56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Trichlorofluoromethane	<26		56	26	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Vinyl chloride	<19		56	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Xylenes, Total	**150**		110	31	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
cis-1,3-Dichloropropene	<13		56	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
Styrene	<13		56	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1
tert-Butylbenzene	<15		56	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*04/21/23 09:01*	*04/21/23 17:08*	*1*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*	*04/21/23 09:01*	*04/21/23 17:08*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*04/21/23 09:01*	*04/21/23 17:08*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*04/21/23 09:01*	*04/21/23 17:08*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1221	<49		250	49	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1232	<49		250	49	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1242	<49		250	49	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1248	<49		250	49	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1254	<120		250	120	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1
PCB-1260	<120		250	120	ug/Kg	☼	04/22/23 06:20	04/24/23 01:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*60 - 154*	*04/22/23 06:20*	*04/24/23 01:15*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*04/22/23 06:20*	*04/24/23 01:15*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Arsenic	**4.6**		2.4	0.49	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Barium	**68.9**		0.61	0.13	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Cadmium	**0.10**	**J**	0.24	0.036	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Chromium	**16.9**		0.61	0.24	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Lead	**8.8**		1.2	0.29	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	04/21/23 11:45	04/25/23 22:04	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.5**	**J**	22.0	5.1	ug/Kg	☼	04/24/23 11:35	04/24/23 15:04	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Client Sample ID: P5M2-7
Date Collected: 04/18/23 10:00
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-2
Matrix: Solid
Percent Solids: 66.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<26		90	26	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1,1-Trichloroethane	<25		90	25	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1,2,2-Tetrachloroethane	<15		90	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1,2-Trichloroethane	<19		90	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1-Dichloroethane	<28		90	28	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1-Dichloroethene	<31		90	31	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,1-Dichloropropene	<22		90	22	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2,3-Trichlorobenzene	<41		90	41	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2,3-Trichloropropane	<20		90	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2,4-Trichlorobenzene	<34		90	34	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2,4-Trimethylbenzene	<25		90	25	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2-Dibromo-3-Chloropropane	<45		90	45	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2-Dichlorobenzene	<23		90	23	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2-Dichloroethane	<37		90	37	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2-Dichloropropane	<15		90	15	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,3,5-Trimethylbenzene	<27		90	27	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,3-Dichlorobenzene	<24		90	24	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,3-Dichloropropane	<16		90	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,4-Dichlorobenzene	<13		90	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
2,2-Dichloropropane	<20		90	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
2-Chlorotoluene	<34		90	34	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
4-Chlorotoluene	<18		90	18	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
p-Isopropyltoluene	<30		90	30	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Benzene	**47**	**J**	90	17	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Bromobenzene	<20		90	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Bromoform	<45		90	45	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Bromomethane	<20		90	20	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Carbon tetrachloride	<23		90	23	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Chlorobenzene	<12		90	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Bromochloromethane	<32		90	32	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Dibromochloromethane	<43		90	43	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Chloroethane	<19		90	19	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Chloroform	<61		90	61	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Chloromethane	<21		90	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
cis-1,2-Dichloroethene	<25		90	25	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Dibromomethane	<29		90	29	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Bromodichloromethane	<18		90	18	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Dichlorodifluoromethane	<39		90	39	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Ethylbenzene	<26		90	26	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
1,2-Dibromoethane	<16		90	16	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Hexachlorobutadiene	<35		90	35	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Isopropyl ether	<47		90	47	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Isopropylbenzene	<13		90	13	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Methyl tert-butyl ether	<34		90	34	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Methylene Chloride	<18		90	18	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
m&p-Xylene	**64**	**J**	180	50	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Naphthalene	<30		90	30	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
n-Butylbenzene	<26		90	26	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
N-Propylbenzene	<23		90	23	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1

Client Sample ID: P5M2-7
Date Collected: 04/18/23 10:00
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-2
Matrix: Solid
Percent Solids: 66.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<12		90	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
sec-Butylbenzene	<33		90	33	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Tetrachloroethene	<12		90	12	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Toluene	<24		90	24	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
trans-1,2-Dichloroethene	<21		90	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
trans-1,3-Dichloropropene	<8.8	*	90	8.8	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Trichloroethene	<25		90	25	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Trichlorofluoromethane	<42		90	42	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Vinyl chloride	<30		90	30	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Xylenes, Total	**64**	**J**	180	50	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
cis-1,3-Dichloropropene	<21		90	21	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
Styrene	<22		90	22	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1
tert-Butylbenzene	<25		90	25	ug/Kg	☼	04/21/23 09:01	04/21/23 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*04/21/23 09:01*	*04/21/23 17:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*04/21/23 09:01*	*04/21/23 17:31*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*04/21/23 09:01*	*04/21/23 17:31*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*04/21/23 09:01*	*04/21/23 17:31*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<70		360	70	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1221	<70		360	70	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1232	<70		360	70	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1242	<70		360	70	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1248	<70		360	70	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1254	<170		360	170	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1
PCB-1260	<170		360	170	ug/Kg	☼	04/22/23 06:20	04/24/23 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*04/22/23 06:20*	*04/24/23 01:28*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*04/22/23 06:20*	*04/24/23 01:28*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.31		0.94	0.31	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Arsenic	**3.2**		3.1	0.62	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Barium	**60.0**		0.78	0.17	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Cadmium	**0.058**	**J**	0.31	0.047	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Chromium	**13.2**		0.78	0.31	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Lead	**6.1**		1.6	0.37	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1
Selenium	<0.62		6.2	0.62	mg/Kg	☼	04/21/23 11:45	04/25/23 22:08	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.9**	**J**	29.0	6.7	ug/Kg	☼	04/24/23 11:35	04/24/23 15:06	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-208053-1	P5M1-7	108	92	100	90
480-208053-2	P5M2-7	109	94	101	94
LCS 480-666318/2-A	Lab Control Sample	99	104	103	97
MB 480-666318/1-A	Method Blank	108	98	102	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-208053-1	P5M1-7	99	105
480-208053-2	P5M2-7	106	110
LCS 480-666444/2-A	Lab Control Sample	133	138
MB 480-666444/1-A	Method Blank	116	118

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-666318/1-A
Matrix: Solid
Analysis Batch: 666332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666318

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1-Dichloroethane	<31		100	31	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1-Dichloroethene	<35		100	35	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,1-Dichloropropene	<25		100	25	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2-Dichloroethane	<41		100	41	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2-Dichloropropane	<16		100	16	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,3-Dichloropropane	<18		100	18	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
2,2-Dichloropropane	<23		100	23	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
2-Chlorotoluene	<38		100	38	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
4-Chlorotoluene	<20		100	20	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
p-Isopropyltoluene	<34		100	34	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Benzene	<19		100	19	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Bromobenzene	<22		100	22	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Bromoform	<50		100	50	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Bromomethane	<22		100	22	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Carbon tetrachloride	<26		100	26	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Chlorobenzene	<13		100	13	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Bromochloromethane	<36		100	36	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Dibromochloromethane	<48		100	48	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Chloroethane	<21		100	21	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Chloroform	<69		100	69	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Chloromethane	<24		100	24	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Dibromomethane	<33		100	33	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Bromodichloromethane	<20		100	20	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Ethylbenzene	<29		100	29	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
1,2-Dibromoethane	<18		100	18	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Hexachlorobutadiene	<40		100	40	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Isopropyl ether	<53		100	53	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Isopropylbenzene	<15		100	15	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Methylene Chloride	<20		100	20	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
m&p-Xylene	<55		200	55	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Naphthalene	<34		100	34	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
n-Butylbenzene	<29		100	29	ug/Kg		04/21/23 09:01	04/21/23 13:49	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-666318/1-A
Matrix: Solid
Analysis Batch: 666332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666318

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
o-Xylene	<13		100	13	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
sec-Butylbenzene	<37		100	37	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Tetrachloroethene	<13		100	13	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Toluene	<27		100	27	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Trichloroethene	<28		100	28	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Trichlorofluoromethane	<47		100	47	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Vinyl chloride	<34		100	34	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Xylenes, Total	<55		200	55	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
Styrene	<24		100	24	ug/Kg		04/21/23 09:01	04/21/23 13:49	1
tert-Butylbenzene	<28		100	28	ug/Kg		04/21/23 09:01	04/21/23 13:49	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*	*04/21/23 09:01*	*04/21/23 13:49*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*04/21/23 09:01*	*04/21/23 13:49*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*04/21/23 09:01*	*04/21/23 13:49*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*04/21/23 09:01*	*04/21/23 13:49*	*1*

Lab Sample ID: LCS 480-666318/2-A
Matrix: Solid
Analysis Batch: 666332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2730		ug/Kg		109	78 - 120
1,1,1-Trichloroethane	2500	2560		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2820		ug/Kg		113	73 - 120
1,1,2-Trichloroethane	2500	2870		ug/Kg		115	80 - 120
1,1-Dichloroethane	2500	2630		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2510		ug/Kg		100	48 - 133
1,1-Dichloropropene	2500	2710		ug/Kg		108	75 - 121
1,2,3-Trichlorobenzene	2500	2370		ug/Kg		95	57 - 150
1,2,3-Trichloropropane	2500	2900		ug/Kg		116	75 - 120
1,2,4-Trichlorobenzene	2500	2290		ug/Kg		92	70 - 140
1,2,4-Trimethylbenzene	2500	2730		ug/Kg		109	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2750		ug/Kg		110	56 - 122
1,2-Dichlorobenzene	2500	2670		ug/Kg		107	78 - 125
1,2-Dichloroethane	2500	2660		ug/Kg		106	74 - 127
1,2-Dichloropropane	2500	2820		ug/Kg		113	80 - 120
1,3,5-Trimethylbenzene	2500	2730		ug/Kg		109	79 - 120
1,3-Dichlorobenzene	2500	2700		ug/Kg		108	80 - 120
1,3-Dichloropropane	2500	2900		ug/Kg		116	80 - 120
1,4-Dichlorobenzene	2500	2620		ug/Kg		105	80 - 120
2,2-Dichloropropane	2500	2450		ug/Kg		98	58 - 142
2-Chlorotoluene	2500	2750		ug/Kg		110	72 - 122
4-Chlorotoluene	2500	2880		ug/Kg		115	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-666318/2-A
Matrix: Solid
Analysis Batch: 666332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2450		ug/Kg		98	80 - 120
Benzene	2500	2760		ug/Kg		110	77 - 125
Bromobenzene	2500	2810		ug/Kg		112	78 - 120
Bromoform	2500	2770		ug/Kg		111	48 - 125
Bromomethane	2500	2090		ug/Kg		84	39 - 149
Carbon tetrachloride	2500	2600		ug/Kg		104	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Bromochloromethane	2500	2510		ug/Kg		100	79 - 120
Dibromochloromethane	2500	2800		ug/Kg		112	64 - 120
Chloroethane	2500	1960		ug/Kg		78	23 - 150
Chloroform	2500	2430		ug/Kg		97	78 - 120
Chloromethane	2500	2260		ug/Kg		90	61 - 124
cis-1,2-Dichloroethene	2500	2580		ug/Kg		103	79 - 124
Dibromomethane	2500	2680		ug/Kg		107	79 - 120
Bromodichloromethane	2500	2630		ug/Kg		105	71 - 121
Dichlorodifluoromethane	2500	2220		ug/Kg		89	10 - 150
Ethylbenzene	2500	2860		ug/Kg		114	78 - 124
1,2-Dibromoethane	2500	2900		ug/Kg		116	80 - 120
Hexachlorobutadiene	2500	2320		ug/Kg		93	61 - 149
Isopropylbenzene	2500	2850		ug/Kg		114	76 - 120
Methyl tert-butyl ether	2500	2490		ug/Kg		99	67 - 137
Methylene Chloride	2500	2580		ug/Kg		103	75 - 118
m&p-Xylene	2500	2910		ug/Kg		117	77 - 125
Naphthalene	2500	2470		ug/Kg		99	65 - 142
n-Butylbenzene	2500	2920		ug/Kg		117	80 - 120
N-Propylbenzene	2500	2860		ug/Kg		114	76 - 120
o-Xylene	2500	2760		ug/Kg		110	80 - 124
sec-Butylbenzene	2500	2870		ug/Kg		115	79 - 120
Tetrachloroethene	2500	2860		ug/Kg		114	73 - 133
Toluene	2500	2790		ug/Kg		112	75 - 124
trans-1,2-Dichloroethene	2500	2480		ug/Kg		99	74 - 129
trans-1,3-Dichloropropene	2500	3110	*	ug/Kg		124	73 - 120
Trichloroethene	2500	2710		ug/Kg		108	75 - 131
Trichlorofluoromethane	2500	2540		ug/Kg		102	29 - 158
Vinyl chloride	2500	2230		ug/Kg		89	59 - 124
cis-1,3-Dichloropropene	2500	2990		ug/Kg		120	75 - 121
Styrene	2500	2930		ug/Kg		117	80 - 120
tert-Butylbenzene	2500	2900		ug/Kg		116	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*
Toluene-d8 (Surr)	*103*		*50 - 149*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-666444/1-A
Matrix: Solid
Analysis Batch: 666516

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666444

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		200	40	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1221	<40		200	40	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1232	<40		200	40	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1242	<40		200	40	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1248	<40		200	40	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1254	<96		200	96	ug/Kg		04/22/23 06:20	04/23/23 22:48	1
PCB-1260	<96		200	96	ug/Kg		04/22/23 06:20	04/23/23 22:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*04/22/23 06:20*	*04/23/23 22:48*	*1*
DCB Decachlorobiphenyl	*118*		*65 - 174*	*04/22/23 06:20*	*04/23/23 22:48*	*1*

Lab Sample ID: LCS 480-666444/2-A
Matrix: Solid
Analysis Batch: 666516

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666444

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2070	3070		ug/Kg		149	51 - 185		
PCB-1260			2070	2770		ug/Kg		134	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*133*		*60 - 154*
DCB Decachlorobiphenyl	*138*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-666351/1-A
Matrix: Solid
Analysis Batch: 666882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666351

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.19		0.58	0.19	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Arsenic	<0.39		1.9	0.39	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Barium	<0.11		0.48	0.11	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Cadmium	<0.029		0.19	0.029	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Chromium	<0.19		0.48	0.19	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Lead	<0.23		0.97	0.23	mg/Kg		04/21/23 11:45	04/25/23 20:47	1
Selenium	<0.39		3.9	0.39	mg/Kg		04/21/23 11:45	04/25/23 20:47	1

Lab Sample ID: LCSSRM 480-666351/2-A
Matrix: Solid
Analysis Batch: 666882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666351

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	71.44		mg/Kg		81.6	63.7 - 115.4		
Arsenic			129	97.33		mg/Kg		75.4	60.9 - 113.2		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-666351/2-A
Matrix: Solid
Analysis Batch: 666882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666351

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	169	160.8		mg/Kg		95.1	68.6 - 114.2
Cadmium	227	170.0		mg/Kg		74.9	64.8 - 110.1
Chromium	115	93.57		mg/Kg		81.4	62.4 - 115.7
Lead	74.8	75.28		mg/Kg		100.6	67.0 - 128.9
Selenium	246	180.8		mg/Kg		73.5	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-666541/1-A
Matrix: Solid
Analysis Batch: 666645

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 666541

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.3		18.5	4.3	ug/Kg		04/24/23 11:35	04/24/23 14:06	1

Lab Sample ID: LCSSRM 480-666541/2-A ^10
Matrix: Solid
Analysis Batch: 666645

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 666541

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	14540		ug/Kg		70.2	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

GC/MS VOA

Prep Batch: 666318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	5035A_H	
480-208053-2	P5M2-7	Total/NA	Solid	5035A_H	
MB 480-666318/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-666318/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 666332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	8260C	666318
480-208053-2	P5M2-7	Total/NA	Solid	8260C	666318
MB 480-666318/1-A	Method Blank	Total/NA	Solid	8260C	666318
LCS 480-666318/2-A	Lab Control Sample	Total/NA	Solid	8260C	666318

GC Semi VOA

Prep Batch: 666444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	3550C	
480-208053-2	P5M2-7	Total/NA	Solid	3550C	
MB 480-666444/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-666444/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 666516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	8082A	666444
480-208053-2	P5M2-7	Total/NA	Solid	8082A	666444
MB 480-666444/1-A	Method Blank	Total/NA	Solid	8082A	666444
LCS 480-666444/2-A	Lab Control Sample	Total/NA	Solid	8082A	666444

Metals

Prep Batch: 666351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	3050B	
480-208053-2	P5M2-7	Total/NA	Solid	3050B	
MB 480-666351/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-666351/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 666541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	7471B	
480-208053-2	P5M2-7	Total/NA	Solid	7471B	
MB 480-666541/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-666541/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 666645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	7471B	666541
480-208053-2	P5M2-7	Total/NA	Solid	7471B	666541
MB 480-666541/1-A	Method Blank	Total/NA	Solid	7471B	666541
LCSSRM 480-666541/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	666541

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Metals

Analysis Batch: 666882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	6010C	666351
480-208053-2	P5M2-7	Total/NA	Solid	6010C	666351
MB 480-666351/1-A	Method Blank	Total/NA	Solid	6010C	666351
LCSSRM 480-666351/2-A	Lab Control Sample	Total/NA	Solid	6010C	666351

General Chemistry

Analysis Batch: 666262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208053-1	P5M1-7	Total/NA	Solid	Moisture	
480-208053-2	P5M2-7	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Client Sample ID: P5M1-7
Date Collected: 04/18/23 10:15
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	666262	DSC	EET BUF	04/20/23 18:38

Client Sample ID: P5M1-7
Date Collected: 04/18/23 10:15
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-1
Matrix: Solid
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			666318	ATG	EET BUF	04/21/23 09:01
Total/NA	Analysis	8260C		1	666332	AXK	EET BUF	04/21/23 17:08
Total/NA	Prep	3550C			666444	SMP	EET BUF	04/22/23 06:20
Total/NA	Analysis	8082A		1	666516	NC	EET BUF	04/24/23 01:15
Total/NA	Prep	3050B			666351	NVK	EET BUF	04/21/23 11:45
Total/NA	Analysis	6010C		1	666882	LMH	EET BUF	04/25/23 22:04
Total/NA	Prep	7471B			666541	NVK	EET BUF	04/24/23 11:35
Total/NA	Analysis	7471B		1	666645	NVK	EET BUF	04/24/23 15:04

Client Sample ID: P5M2-7
Date Collected: 04/18/23 10:00
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	666262	DSC	EET BUF	04/20/23 18:38

Client Sample ID: P5M2-7
Date Collected: 04/18/23 10:00
Date Received: 04/20/23 10:30

Lab Sample ID: 480-208053-2
Matrix: Solid
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			666318	ATG	EET BUF	04/21/23 09:01
Total/NA	Analysis	8260C		1	666332	AXK	EET BUF	04/21/23 17:31
Total/NA	Prep	3550C			666444	SMP	EET BUF	04/22/23 06:20
Total/NA	Analysis	8082A		1	666516	NC	EET BUF	04/24/23 01:28
Total/NA	Prep	3050B			666351	NVK	EET BUF	04/21/23 11:45
Total/NA	Analysis	6010C		1	666882	LMH	EET BUF	04/25/23 22:08
Total/NA	Prep	7471B			666541	NVK	EET BUF	04/24/23 11:35
Total/NA	Analysis	7471B		1	666645	NVK	EET BUF	04/24/23 15:06

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-208053-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208053-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-208053-1	P5M1-7	Solid	04/18/23 10:15	04/20/23 10:30
480-208053-2	P5M2-7	Solid	04/18/23 10:00	04/20/23 10:30

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-208053-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 4/18/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐ 1 week			Job / SDG No.:
P O # 48025931	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
PSM1-7	4/18	10:15	G	S	3	N	N	X	X	PID 3.0 PPM
PSM2-7	4/18	10:00	G	S	3	N	N	X	X	PID 4.2 PPM
								1	1	

480-208053 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.7 #1 ICE

Custody Seals Intact: ☒ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by: Colin Gloede	Company: SCS Engineers	Date/Time: 4/18 1400	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 4/20/23 1030

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-208053-1

Login Number: 208053
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

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JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-208352-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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5/4/2023 3:34:49 PM

Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Job ID: 480-208352-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208352-1

Comments
No additional comments.

Receipt
The samples were received on 4/28/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: P5MZ-8 (480-208352-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis: P5M1-15 (480-208352-2), P5M1-16 (480-208352-3), P5M1-17 (480-208352-4) and P5M1-18 (480-208352-5). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 667600 recovered above the upper control limit for cis-1,3-Dichloropropene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5MZ-8 (480-208352-1), P5M1-15 (480-208352-2), P5M1-16 (480-208352-3), P5M1-17 (480-208352-4) and P5M1-18 (480-208352-5).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 667600 was outside the method criteria for the following analyte(s): Naphthalene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-667595 and analytical batch 480-667600 recovered outside control limits for the following analytes: 1,2,3-Trichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The continuing calibration verification (CCV) associated with batch 667600 recovered outside acceptance criteria, low biased, for Naphthalene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5MZ-8 — Lab Sample ID: 480-208352-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	1600		160	45	ug/Kg	2	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	91	J	160	49	ug/Kg	2	☼	8260C	Total/NA
1,4-Dichlorobenzene	580		160	23	ug/Kg	2	☼	8260C	Total/NA
p-Isopropyltoluene	760		160	54	ug/Kg	2	☼	8260C	Total/NA
Benzene	560		160	31	ug/Kg	2	☼	8260C	Total/NA
Chlorobenzene	410		160	21	ug/Kg	2	☼	8260C	Total/NA
Ethylbenzene	530		160	47	ug/Kg	2	☼	8260C	Total/NA
Isopropylbenzene	1200		160	24	ug/Kg	2	☼	8260C	Total/NA
m&p-Xylene	2200		320	89	ug/Kg	2	☼	8260C	Total/NA
Naphthalene	6500	^c	160	54	ug/Kg	2	☼	8260C	Total/NA
n-Butylbenzene	930		160	47	ug/Kg	2	☼	8260C	Total/NA
N-Propylbenzene	1600		160	42	ug/Kg	2	☼	8260C	Total/NA
o-Xylene	240		160	21	ug/Kg	2	☼	8260C	Total/NA
sec-Butylbenzene	580		160	59	ug/Kg	2	☼	8260C	Total/NA
Toluene	260		160	43	ug/Kg	2	☼	8260C	Total/NA
Xylenes, Total	2400		320	89	ug/Kg	2	☼	8260C	Total/NA
Silver	0.30	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	3.2		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	51.6		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.077	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	26.1		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	8.7		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	7.4	J	21.7	5.0	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-15 — Lab Sample ID: 480-208352-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	24	J ^c	60	20	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.2	J	2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	41.4		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Chromium	11.4		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	6.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	8.7	J	23.3	5.3	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-16 — Lab Sample ID: 480-208352-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	32	J	66	19	ug/Kg	1	☼	8260C	Total/NA
p-Isopropyltoluene	29	J	66	22	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	72	J	130	37	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	19	J	66	8.6	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	91	J	130	37	ug/Kg	1	☼	8260C	Total/NA
PCB-1242	78	J	220	43	ug/Kg	1	☼	8082A	Total/NA
Silver	0.53	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	5.4		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	94.6		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.25		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	24.1		0.59	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	23.9		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	44.3		21.4	4.9	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Buffalo

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5M1-17 — Lab Sample ID: 480-208352-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	66		56	16	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	20	J	56	17	ug/Kg	1	☼	8260C	Total/NA
1,4-Dichlorobenzene	26	J	56	7.8	ug/Kg	1	☼	8260C	Total/NA
p-Isopropyltoluene	34	J	56	19	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	42	J	56	16	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	160		110	31	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	39	J ^c	56	19	ug/Kg	1	☼	8260C	Total/NA
n-Butylbenzene	19	J	56	16	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	36	J	56	7.3	ug/Kg	1	☼	8260C	Total/NA
Toluene	19	J	56	15	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	200		110	31	ug/Kg	1	☼	8260C	Total/NA
PCB-1242	76	J	210	42	ug/Kg	1	☼	8082A	Total/NA
Silver	0.60	J	0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.6		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	77.2		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.32		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	23.8		0.59	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	25.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	43.1		21.4	4.9	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-18 — Lab Sample ID: 480-208352-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	31	J ^c	60	20	ug/Kg	1	☼	8260C	Total/NA
Silver	0.75		0.70	0.23	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.0		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	65.6		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27		0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	44.6		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	23.6		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.62	J	4.7	0.47	mg/Kg	1	☼	6010C	Total/NA
Mercury	19.5	J	21.1	4.8	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5MZ-8
Date Collected: 04/26/23 12:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-1
Matrix: Solid
Percent Solids: 86.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<46		160	46	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1,1-Trichloroethane	<45		160	45	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1,2,2-Tetrachloroethane	<26		160	26	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1,2-Trichloroethane	<34		160	34	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1-Dichloroethane	<50		160	50	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1-Dichloroethene	<56		160	56	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,1-Dichloropropene	<40		160	40	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2,3-Trichlorobenzene	<74		160	74	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2,3-Trichloropropane	<36	*	160	36	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2,4-Trichlorobenzene	<61		160	61	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2,4-Trimethylbenzene	**1600**		160	45	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2-Dibromo-3-Chloropropane	<81		160	81	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2-Dichlorobenzene	<41		160	41	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2-Dichloroethane	<66		160	66	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2-Dichloropropane	<26		160	26	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,3,5-Trimethylbenzene	**91**	**J**	160	49	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,3-Dichlorobenzene	<43		160	43	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,3-Dichloropropane	<29		160	29	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,4-Dichlorobenzene	**580**		160	23	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
2,2-Dichloropropane	<37		160	37	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
2-Chlorotoluene	<62		160	62	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
4-Chlorotoluene	<33		160	33	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
p-Isopropyltoluene	**760**		160	54	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Benzene	**560**		160	31	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Bromobenzene	<35		160	35	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Bromoform	<81		160	81	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Bromomethane	<35		160	35	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Carbon tetrachloride	<41		160	41	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Chlorobenzene	**410**		160	21	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Bromochloromethane	<58		160	58	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Dibromochloromethane	<78		160	78	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Chloroethane	<33		160	33	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Chloroform	<110		160	110	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Chloromethane	<38		160	38	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
cis-1,2-Dichloroethene	<44		160	44	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Dibromomethane	<52		160	52	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Bromodichloromethane	<32		160	32	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Dichlorodifluoromethane	<70		160	70	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Ethylbenzene	**530**		160	47	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
1,2-Dibromoethane	<28		160	28	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Hexachlorobutadiene	<64		160	64	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Isopropyl ether	<85		160	85	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Isopropylbenzene	**1200**		160	24	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Methyl tert-butyl ether	<61		160	61	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Methylene Chloride	<32		160	32	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
m&p-Xylene	**2200**		320	89	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Naphthalene	**6500**	**^c**	160	54	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
n-Butylbenzene	**930**		160	47	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
N-Propylbenzene	**1600**		160	42	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2

Client Sample ID: P5MZ-8

Date Collected: 04/26/23 12:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-1

Matrix: Solid
Percent Solids: 86.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**240**		160	21	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
sec-Butylbenzene	**580**		160	59	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Tetrachloroethene	<22		160	22	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Toluene	**260**		160	43	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
trans-1,2-Dichloroethene	<38		160	38	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
trans-1,3-Dichloropropene	<16		160	16	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Trichloroethene	<45		160	45	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Trichlorofluoromethane	<76		160	76	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Vinyl chloride	<54		160	54	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Xylenes, Total	**2400**		320	89	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
cis-1,3-Dichloropropene	<38	^c	160	38	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
Styrene	<39		160	39	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2
tert-Butylbenzene	<45		160	45	ug/Kg	☼	05/01/23 09:05	05/01/23 15:17	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*	*05/01/23 09:05*	*05/01/23 15:17*	*2*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*05/01/23 09:05*	*05/01/23 15:17*	*2*
Toluene-d8 (Surr)	*96*		*50 - 149*	*05/01/23 09:05*	*05/01/23 15:17*	*2*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*05/01/23 09:05*	*05/01/23 15:17*	*2*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<52		260	52	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1221	<52		260	52	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1232	<52		260	52	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1242	<52		260	52	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1248	<52		260	52	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1254	<120		260	120	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1
PCB-1260	<120		260	120	ug/Kg	☼	05/01/23 07:05	05/02/23 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/01/23 07:05*	*05/02/23 11:30*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*05/01/23 07:05*	*05/02/23 11:30*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.30**	**J**	0.70	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Arsenic	**3.2**		2.3	0.46	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Barium	**51.6**		0.58	0.13	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Cadmium	**0.077**	**J**	0.23	0.035	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Chromium	**26.1**		0.58	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Lead	**8.7**		1.2	0.28	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/01/23 14:44	05/02/23 15:40	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.4**	**J**	21.7	5.0	ug/Kg	☼	05/02/23 09:19	05/02/23 12:42	1

Client Sample ID: P5M1-15
Date Collected: 04/26/23 11:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-2
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1,1-Trichloroethane	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1,2,2-Tetrachloroethane	<9.8		60	9.8	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1,2-Trichloroethane	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1-Dichloroethane	<19		60	19	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1-Dichloroethene	<21		60	21	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,1-Dichloropropene	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2,3-Trichlorobenzene	<28		60	28	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2,3-Trichloropropane	<13	*	60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2,4-Trichlorobenzene	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2,4-Trimethylbenzene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2-Dibromo-3-Chloropropane	<30		60	30	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2-Dichlorobenzene	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2-Dichloroethane	<25		60	25	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2-Dichloropropane	<9.7		60	9.7	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,3,5-Trimethylbenzene	<18		60	18	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,3-Dichlorobenzene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,3-Dichloropropane	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,4-Dichlorobenzene	<8.4		60	8.4	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
2,2-Dichloropropane	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
2-Chlorotoluene	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
4-Chlorotoluene	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
p-Isopropyltoluene	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Benzene	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Bromobenzene	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Bromoform	<30		60	30	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Bromomethane	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Carbon tetrachloride	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Chlorobenzene	<7.9		60	7.9	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Bromochloromethane	<22		60	22	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Dibromochloromethane	<29		60	29	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Chloroethane	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Chloroform	<41		60	41	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Chloromethane	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
cis-1,2-Dichloroethene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Dibromomethane	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Bromodichloromethane	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Dichlorodifluoromethane	<26		60	26	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Ethylbenzene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
1,2-Dibromoethane	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Hexachlorobutadiene	<24		60	24	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Isopropyl ether	<32		60	32	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Isopropylbenzene	<9.0		60	9.0	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Methyl tert-butyl ether	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Methylene Chloride	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
m&p-Xylene	<33		120	33	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Naphthalene	**24**	**J ^c**	60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
n-Butylbenzene	<18		60	18	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
N-Propylbenzene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1

Client Sample ID: P5M1-15
Date Collected: 04/26/23 11:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-2
Matrix: Solid
Percent Solids: 86.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.8		60	7.8	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
sec-Butylbenzene	<22		60	22	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Tetrachloroethene	<8.1		60	8.1	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Toluene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
trans-1,2-Dichloroethene	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
trans-1,3-Dichloropropene	<5.9		60	5.9	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Trichloroethene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Trichlorofluoromethane	<28		60	28	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Vinyl chloride	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Xylenes, Total	<33		120	33	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
cis-1,3-Dichloropropene	<14	^c	60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
Styrene	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1
tert-Butylbenzene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*05/01/23 09:05*	*05/01/23 15:40*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*05/01/23 09:05*	*05/01/23 15:40*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*05/01/23 09:05*	*05/01/23 15:40*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/01/23 09:05*	*05/01/23 15:40*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1221	<45		230	45	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1232	<45		230	45	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1242	<45		230	45	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1248	<45		230	45	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1254	<110		230	110	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1
PCB-1260	<110		230	110	ug/Kg	☼	05/01/23 07:05	05/02/23 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*05/01/23 07:05*	*05/02/23 11:44*	*1*
DCB Decachlorobiphenyl	*126*		*65 - 174*	*05/01/23 07:05*	*05/02/23 11:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.70	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Arsenic	**2.2**	**J**	2.3	0.46	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Barium	**41.4**		0.58	0.13	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Cadmium	<0.035		0.23	0.035	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Chromium	**11.4**		0.58	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Lead	**6.5**		1.2	0.28	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/01/23 14:44	05/02/23 15:44	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**8.7**	**J**	23.3	5.3	ug/Kg	☼	05/02/23 09:19	05/02/23 12:43	1

Client Sample ID: P5M1-16

Date Collected: 04/26/23 11:15
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-3

Matrix: Solid
Percent Solids: 85.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<19		66	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1,1-Trichloroethane	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1,2,2-Tetrachloroethane	<11		66	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1,2-Trichloroethane	<14		66	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1-Dichloroethane	<21		66	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1-Dichloroethene	<23		66	23	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,1-Dichloropropene	<17		66	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2,3-Trichlorobenzene	<31		66	31	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2,3-Trichloropropane	<15	*	66	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2,4-Trichlorobenzene	<25		66	25	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2,4-Trimethylbenzene	**32**	**J**	66	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2-Dibromo-3-Chloropropane	<33		66	33	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2-Dichlorobenzene	<17		66	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2-Dichloroethane	<27		66	27	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2-Dichloropropane	<11		66	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,3,5-Trimethylbenzene	<20		66	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,3-Dichlorobenzene	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,3-Dichloropropane	<12		66	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,4-Dichlorobenzene	<9.3		66	9.3	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
2,2-Dichloropropane	<15		66	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
2-Chlorotoluene	<25		66	25	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
4-Chlorotoluene	<13		66	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
p-Isopropyltoluene	**29**	**J**	66	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Benzene	<13		66	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Bromobenzene	<15		66	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Bromoform	<33		66	33	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Bromomethane	<15		66	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Carbon tetrachloride	<17		66	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Chlorobenzene	<8.8		66	8.8	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Bromochloromethane	<24		66	24	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Dibromochloromethane	<32		66	32	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Chloroethane	<14		66	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Chloroform	<46		66	46	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Chloromethane	<16		66	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
cis-1,2-Dichloroethene	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Dibromomethane	<22		66	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Bromodichloromethane	<13		66	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Dichlorodifluoromethane	<29		66	29	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Ethylbenzene	<19		66	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
1,2-Dibromoethane	<12		66	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Hexachlorobutadiene	<26		66	26	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Isopropyl ether	<35		66	35	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Isopropylbenzene	<10		66	10	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Methyl tert-butyl ether	<25		66	25	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Methylene Chloride	<13		66	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
m&p-Xylene	**72**	**J**	130	37	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Naphthalene	<22	^c	66	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
n-Butylbenzene	<19		66	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
N-Propylbenzene	<17		66	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1

Client Sample ID: P5M1-16

Date Collected: 04/26/23 11:15
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-3

Matrix: Solid
Percent Solids: 85.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**19**	**J**	66	8.6	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
sec-Butylbenzene	<24		66	24	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Tetrachloroethene	<8.9		66	8.9	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Toluene	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
trans-1,2-Dichloroethene	<16		66	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
trans-1,3-Dichloropropene	<6.5		66	6.5	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Trichloroethene	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Trichlorofluoromethane	<31		66	31	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Vinyl chloride	<22		66	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Xylenes, Total	**91**	**J**	130	37	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
cis-1,3-Dichloropropene	<16	^c	66	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
Styrene	<16		66	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1
tert-Butylbenzene	<18		66	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*05/01/23 09:05*	*05/01/23 16:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*05/01/23 09:05*	*05/01/23 16:03*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/01/23 09:05*	*05/01/23 16:03*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*05/01/23 09:05*	*05/01/23 16:03*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1221	<43		220	43	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1232	<43		220	43	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1242	**78**	**J**	220	43	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1248	<43		220	43	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1254	<100		220	100	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1
PCB-1260	<100		220	100	ug/Kg	☼	05/01/23 07:05	05/02/23 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*05/01/23 07:05*	*05/02/23 11:57*	*1*
DCB Decachlorobiphenyl	*114*		*65 - 174*	*05/01/23 07:05*	*05/02/23 11:57*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.53**	**J**	0.70	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Arsenic	**5.4**		2.3	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Barium	**94.6**		0.59	0.13	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Cadmium	**0.25**		0.23	0.035	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Chromium	**24.1**		0.59	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Lead	**23.9**		1.2	0.28	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 15:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44.3**		21.4	4.9	ug/Kg	☼	05/02/23 09:19	05/02/23 12:45	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5M1-17
Date Collected: 04/26/23 11:30
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-4
Matrix: Solid
Percent Solids: 83.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1,1-Trichloroethane	<15		56	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1,2,2-Tetrachloroethane	<9.1		56	9.1	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1,2-Trichloroethane	<12		56	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1-Dichloroethane	<17		56	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1-Dichloroethene	<19		56	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,1-Dichloropropene	<14		56	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2,3-Trichlorobenzene	<26		56	26	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2,3-Trichloropropane	<12	*	56	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2,4-Trichlorobenzene	<21		56	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2,4-Trimethylbenzene	**66**		56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2-Dibromo-3-Chloropropane	<28		56	28	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2-Dichlorobenzene	<14		56	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2-Dichloroethane	<23		56	23	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2-Dichloropropane	<9.0		56	9.0	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,3,5-Trimethylbenzene	**20**	**J**	56	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,3-Dichlorobenzene	<15		56	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,3-Dichloropropane	<10		56	10	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,4-Dichlorobenzene	**26**	**J**	56	7.8	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
2,2-Dichloropropane	<13		56	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
2-Chlorotoluene	<21		56	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
4-Chlorotoluene	<11		56	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
p-Isopropyltoluene	**34**	**J**	56	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Benzene	<11		56	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Bromobenzene	<12		56	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Bromoform	<28		56	28	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Bromomethane	<12		56	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Carbon tetrachloride	<14		56	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Chlorobenzene	<7.4		56	7.4	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Bromochloromethane	<20		56	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Dibromochloromethane	<27		56	27	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Chloroethane	<12		56	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Chloroform	<38		56	38	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Chloromethane	<13		56	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
cis-1,2-Dichloroethene	<15		56	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Dibromomethane	<18		56	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Bromodichloromethane	<11		56	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Dichlorodifluoromethane	<24		56	24	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Ethylbenzene	**42**	**J**	56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
1,2-Dibromoethane	<9.8		56	9.8	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Hexachlorobutadiene	<22		56	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Isopropyl ether	<30		56	30	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Isopropylbenzene	<8.4		56	8.4	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Methyl tert-butyl ether	<21		56	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Methylene Chloride	<11		56	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
m&p-Xylene	**160**		110	31	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Naphthalene	**39**	**J ^c**	56	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
n-Butylbenzene	**19**	**J**	56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
N-Propylbenzene	<15		56	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1

Client Sample ID: P5M1-17

Date Collected: 04/26/23 11:30
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-4

Matrix: Solid
Percent Solids: 83.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**36**	**J**	56	7.3	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
sec-Butylbenzene	<21		56	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Tetrachloroethene	<7.5		56	7.5	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Toluene	**19**	**J**	56	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
trans-1,2-Dichloroethene	<13		56	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
trans-1,3-Dichloropropene	<5.5		56	5.5	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Trichloroethene	<16		56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Trichlorofluoromethane	<26		56	26	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Vinyl chloride	<19		56	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Xylenes, Total	**200**		110	31	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
cis-1,3-Dichloropropene	<13	^c	56	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
Styrene	<13		56	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1
tert-Butylbenzene	<16		56	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*05/01/23 09:05*	*05/01/23 16:26*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*05/01/23 09:05*	*05/01/23 16:26*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*05/01/23 09:05*	*05/01/23 16:26*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*05/01/23 09:05*	*05/01/23 16:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<42		210	42	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1221	<42		210	42	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1232	<42		210	42	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1242	**76**	**J**	210	42	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1248	<42		210	42	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1254	<100		210	100	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1
PCB-1260	<100		210	100	ug/Kg	☼	05/01/23 07:05	05/02/23 12:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*110*		*60 - 154*	*05/01/23 07:05*	*05/02/23 12:11*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*05/01/23 07:05*	*05/02/23 12:11*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.60**	**J**	0.70	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Arsenic	**6.6**		2.3	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Barium	**77.2**		0.59	0.13	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Cadmium	**0.32**		0.23	0.035	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Chromium	**23.8**		0.59	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Lead	**25.5**		1.2	0.28	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 16:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43.1**		21.4	4.9	ug/Kg	☼	05/02/23 09:19	05/02/23 12:49	1

Client Sample ID: P5M1-18

Date Collected: 04/26/23 11:45
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-5

Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1,1-Trichloroethane	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1,2,2-Tetrachloroethane	<9.8		60	9.8	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1,2-Trichloroethane	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1-Dichloroethane	<19		60	19	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1-Dichloroethene	<21		60	21	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,1-Dichloropropene	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2,3-Trichlorobenzene	<28		60	28	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2,3-Trichloropropane	<13	*	60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2,4-Trichlorobenzene	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2,4-Trimethylbenzene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2-Dibromo-3-Chloropropane	<30		60	30	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2-Dichlorobenzene	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2-Dichloroethane	<25		60	25	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2-Dichloropropane	<9.8		60	9.8	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,3,5-Trimethylbenzene	<18		60	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,3-Dichlorobenzene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,3-Dichloropropane	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,4-Dichlorobenzene	<8.5		60	8.5	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
2,2-Dichloropropane	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
2-Chlorotoluene	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
4-Chlorotoluene	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
p-Isopropyltoluene	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Benzene	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Bromobenzene	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Bromoform	<30		60	30	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Bromomethane	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Carbon tetrachloride	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Chlorobenzene	<8.0		60	8.0	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Bromochloromethane	<22		60	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Dibromochloromethane	<29		60	29	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Chloroethane	<13		60	13	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Chloroform	<41		60	41	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Chloromethane	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
cis-1,2-Dichloroethene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Dibromomethane	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Bromodichloromethane	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Dichlorodifluoromethane	<26		60	26	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Ethylbenzene	<18		60	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
1,2-Dibromoethane	<11		60	11	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Hexachlorobutadiene	<24		60	24	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Isopropyl ether	<32		60	32	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Isopropylbenzene	<9.1		60	9.1	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Methyl tert-butyl ether	<23		60	23	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Methylene Chloride	<12		60	12	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
m&p-Xylene	<33		120	33	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Naphthalene	**31**	**J ^c**	60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
n-Butylbenzene	<18		60	18	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
N-Propylbenzene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1

Client Sample ID: P5M1-18

Date Collected: 04/26/23 11:45
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-5

Matrix: Solid
Percent Solids: 85.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.9		60	7.9	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
sec-Butylbenzene	<22		60	22	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Tetrachloroethene	<8.1		60	8.1	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Toluene	<16		60	16	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
trans-1,2-Dichloroethene	<14		60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
trans-1,3-Dichloropropene	<5.9		60	5.9	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Trichloroethene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Trichlorofluoromethane	<28		60	28	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Vinyl chloride	<20		60	20	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Xylenes, Total	<33		120	33	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
cis-1,3-Dichloropropene	<14	^c	60	14	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
Styrene	<15		60	15	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1
tert-Butylbenzene	<17		60	17	ug/Kg	☼	05/01/23 09:05	05/01/23 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*05/01/23 09:05*	*05/01/23 16:49*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*05/01/23 09:05*	*05/01/23 16:49*	*1*
Toluene-d8 (Surr)	*92*		*50 - 149*	*05/01/23 09:05*	*05/01/23 16:49*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*05/01/23 09:05*	*05/01/23 16:49*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<53		270	53	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1221	<53		270	53	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1232	<53		270	53	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1242	<53		270	53	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1248	<53		270	53	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1254	<130		270	130	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1
PCB-1260	<130		270	130	ug/Kg	☼	05/01/23 07:05	05/02/23 12:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*05/01/23 07:05*	*05/02/23 12:24*	*1*
DCB Decachlorobiphenyl	*119*		*65 - 174*	*05/01/23 07:05*	*05/02/23 12:24*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.75**		0.70	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Arsenic	**6.0**		2.3	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Barium	**65.6**		0.58	0.13	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Cadmium	**0.27**		0.23	0.035	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Chromium	**44.6**		0.58	0.23	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Lead	**23.6**		1.2	0.28	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1
Selenium	**0.62**	**J**	4.7	0.47	mg/Kg	☼	05/01/23 14:44	05/02/23 16:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19.5**	**J**	21.1	4.8	ug/Kg	☼	05/02/23 09:19	05/02/23 12:50	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-208352-1	P5MZ-8	106	100	96	96
480-208352-2	P5M1-15	105	95	100	95
480-208352-3	P5M1-16	107	100	101	94
480-208352-4	P5M1-17	98	99	98	90
480-208352-5	P5M1-18	104	96	92	94
LCS 480-667595/2-A	Lab Control Sample	99	101	100	93
MB 480-667595/1-A	Method Blank	101	113	101	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-208352-1	P5MZ-8	105	114
480-208352-1 MS	P5MZ-8	125	141
480-208352-1 MSD	P5MZ-8	125	142
480-208352-2	P5M1-15	118	126
480-208352-3	P5M1-16	109	114
480-208352-4	P5M1-17	110	116
480-208352-5	P5M1-18	113	119
LCS 480-667556/2-A	Lab Control Sample	135	144
MB 480-667556/1-A	Method Blank	116	123

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-667595/1-A
Matrix: Solid
Analysis Batch: 667600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667595

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Benzene	<19		100	19	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Bromobenzene	<22		100	22	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Bromoform	<50		100	50	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Bromomethane	<22		100	22	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Chlorobenzene	<13		100	13	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Bromochloromethane	<36		100	36	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Dibromochloromethane	<48		100	48	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Chloroethane	<21		100	21	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Chloroform	<69		100	69	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Chloromethane	<24		100	24	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Dibromomethane	<33		100	33	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Bromodichloromethane	<20		100	20	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Ethylbenzene	<29		100	29	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Isopropyl ether	<53		100	53	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Isopropylbenzene	<15		100	15	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Methylene Chloride	<20		100	20	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
m&p-Xylene	<55		200	55	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Naphthalene	<34		100	34	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
n-Butylbenzene	<29		100	29	ug/Kg		05/01/23 09:05	05/01/23 14:42	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-667595/1-A
Matrix: Solid
Analysis Batch: 667600

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667595

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
o-Xylene	<13		100	13	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Tetrachloroethene	<13		100	13	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Toluene	<27		100	27	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Trichloroethene	<28		100	28	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Vinyl chloride	<34		100	34	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Xylenes, Total	<55		200	55	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
Styrene	<24		100	24	ug/Kg		05/01/23 09:05	05/01/23 14:42	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/01/23 09:05	05/01/23 14:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*05/01/23 09:05*	*05/01/23 14:42*	*1*
4-Bromofluorobenzene (Surr)	*113*		*49 - 148*	*05/01/23 09:05*	*05/01/23 14:42*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/01/23 09:05*	*05/01/23 14:42*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/01/23 09:05*	*05/01/23 14:42*	*1*

Lab Sample ID: LCS 480-667595/2-A
Matrix: Solid
Analysis Batch: 667600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2400		ug/Kg		96	78 - 120
1,1,1-Trichloroethane	2500	2130		ug/Kg		85	68 - 130
1,1,2,2-Tetrachloroethane	2500	2960		ug/Kg		118	73 - 120
1,1,2-Trichloroethane	2500	2620		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2310		ug/Kg		92	78 - 121
1,1-Dichloroethene	2500	2130		ug/Kg		85	48 - 133
1,1-Dichloropropene	2500	2350		ug/Kg		94	75 - 121
1,2,3-Trichlorobenzene	2500	2120		ug/Kg		85	57 - 150
1,2,3-Trichloropropane	2500	3100	*	ug/Kg		124	75 - 120
1,2,4-Trichlorobenzene	2500	2070		ug/Kg		83	70 - 140
1,2,4-Trimethylbenzene	2500	2460		ug/Kg		99	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2670		ug/Kg		107	56 - 122
1,2-Dichlorobenzene	2500	2310		ug/Kg		93	78 - 125
1,2-Dichloroethane	2500	2320		ug/Kg		93	74 - 127
1,2-Dichloropropane	2500	2520		ug/Kg		101	80 - 120
1,3,5-Trimethylbenzene	2500	2520		ug/Kg		101	79 - 120
1,3-Dichlorobenzene	2500	2470		ug/Kg		99	80 - 120
1,3-Dichloropropane	2500	2660		ug/Kg		106	80 - 120
1,4-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
2,2-Dichloropropane	2500	2140		ug/Kg		86	58 - 142
2-Chlorotoluene	2500	2660		ug/Kg		106	72 - 122
4-Chlorotoluene	2500	2750		ug/Kg		110	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-667595/2-A
Matrix: Solid
Analysis Batch: 667600

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667595

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2100		ug/Kg		84	80 - 120
Benzene	2500	2380		ug/Kg		95	77 - 125
Bromobenzene	2500	2780		ug/Kg		111	78 - 120
Bromoform	2500	2720		ug/Kg		109	48 - 125
Bromomethane	2500	2060		ug/Kg		82	39 - 149
Carbon tetrachloride	2500	2330		ug/Kg		93	54 - 135
Chlorobenzene	2500	2370		ug/Kg		95	76 - 126
Bromochloromethane	2500	2160		ug/Kg		86	79 - 120
Dibromochloromethane	2500	2510		ug/Kg		100	64 - 120
Chloroethane	2500	2020		ug/Kg		81	23 - 150
Chloroform	2500	2080		ug/Kg		83	78 - 120
Chloromethane	2500	1770		ug/Kg		71	61 - 124
cis-1,2-Dichloroethene	2500	2200		ug/Kg		88	79 - 124
Dibromomethane	2500	2380		ug/Kg		95	79 - 120
Bromodichloromethane	2500	2410		ug/Kg		96	71 - 121
Dichlorodifluoromethane	2500	1710		ug/Kg		68	10 - 150
Ethylbenzene	2500	2430		ug/Kg		97	78 - 124
1,2-Dibromoethane	2500	2610		ug/Kg		104	80 - 120
Hexachlorobutadiene	2500	2070		ug/Kg		83	61 - 149
Isopropylbenzene	2500	2710		ug/Kg		108	76 - 120
Methyl tert-butyl ether	2500	2080		ug/Kg		83	67 - 137
Methylene Chloride	2500	2350		ug/Kg		94	75 - 118
m&p-Xylene	2500	2450		ug/Kg		98	77 - 125
Naphthalene	2500	2190		ug/Kg		88	65 - 142
n-Butylbenzene	2500	2440		ug/Kg		97	80 - 120
N-Propylbenzene	2500	2700		ug/Kg		108	76 - 120
o-Xylene	2500	2270		ug/Kg		91	80 - 124
sec-Butylbenzene	2500	2590		ug/Kg		103	79 - 120
Tetrachloroethene	2500	2450		ug/Kg		98	73 - 133
Toluene	2500	2420		ug/Kg		97	75 - 124
trans-1,2-Dichloroethene	2500	2140		ug/Kg		86	74 - 129
trans-1,3-Dichloropropene	2500	2780		ug/Kg		111	73 - 120
Trichloroethene	2500	2350		ug/Kg		94	75 - 131
Trichlorofluoromethane	2500	2050		ug/Kg		82	29 - 158
Vinyl chloride	2500	1810		ug/Kg		72	59 - 124
cis-1,3-Dichloropropene	2500	2630		ug/Kg		105	75 - 121
Styrene	2500	2560		ug/Kg		103	80 - 120
tert-Butylbenzene	2500	2610		ug/Kg		104	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Toluene-d8 (Surr)	*100*		*50 - 149*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-667556/1-A
Matrix: Solid
Analysis Batch: 667731

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667556

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<42		210	42	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1221	<42		210	42	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1232	<42		210	42	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1242	<42		210	42	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1248	<42		210	42	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1254	<100		210	100	ug/Kg		05/01/23 07:05	05/02/23 10:37	1
PCB-1260	<100		210	100	ug/Kg		05/01/23 07:05	05/02/23 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*05/01/23 07:05*	*05/02/23 10:37*	*1*
DCB Decachlorobiphenyl	*123*		*65 - 174*	*05/01/23 07:05*	*05/02/23 10:37*	*1*

Lab Sample ID: LCS 480-667556/2-A
Matrix: Solid
Analysis Batch: 667731

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667556

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2020	2910		ug/Kg		144	51 - 185		
PCB-1260			2020	2780		ug/Kg		138	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*135*		*60 - 154*
DCB Decachlorobiphenyl	*144*		*65 - 174*

Lab Sample ID: 480-208352-1 MS
Matrix: Solid
Analysis Batch: 667731

Client Sample ID: P5MZ-8
Prep Type: Total/NA
Prep Batch: 667556

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<52		2360	3320		ug/Kg	☼	140	50 - 177		
PCB-1260	<120		2360	3210		ug/Kg	☼	136	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*125*		*60 - 154*
DCB Decachlorobiphenyl	*141*		*65 - 174*

Lab Sample ID: 480-208352-1 MSD
Matrix: Solid
Analysis Batch: 667731

Client Sample ID: P5MZ-8
Prep Type: Total/NA
Prep Batch: 667556

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<52		2550	3650		ug/Kg	☼	143	50 - 177	10	50
PCB-1260	<120		2550	3500		ug/Kg	☼	137	33 - 200	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*125*		*60 - 154*
DCB Decachlorobiphenyl	*142*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-667650/1-A
Matrix: Solid
Analysis Batch: 668009

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667650

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.61	0.20	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Arsenic	<0.41		2.0	0.41	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Barium	<0.11		0.51	0.11	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Cadmium	<0.030		0.20	0.030	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Chromium	<0.20		0.51	0.20	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Lead	<0.24		1.0	0.24	mg/Kg		05/01/23 14:44	05/02/23 15:13	1
Selenium	<0.41		4.1	0.41	mg/Kg		05/01/23 14:44	05/02/23 15:13	1

Lab Sample ID: LCSSRM 480-667650/2-A
Matrix: Solid
Analysis Batch: 668009

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667650

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	72.14		mg/Kg		82.4	63.7 - 115.4
Arsenic	129	104.3		mg/Kg		80.9	60.9 - 113.2
Barium	169	145.5		mg/Kg		86.1	68.6 - 114.2
Cadmium	227	170.0		mg/Kg		74.9	64.8 - 110.1
Chromium	115	95.80		mg/Kg		83.3	62.4 - 115.7
Lead	74.8	88.33		mg/Kg		118.1	67.0 - 128.9
Selenium	246	186.5		mg/Kg		75.8	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-667727/1-A
Matrix: Solid
Analysis Batch: 667833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 667727

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.5		19.7	4.5	ug/Kg		05/02/23 09:19	05/02/23 12:33	1

Lab Sample ID: LCSSRM 480-667727/2-A ^10
Matrix: Solid
Analysis Batch: 667833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 667727

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	13280		ug/Kg		64.2	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

GC/MS VOA

Prep Batch: 667595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	5035A_H	
480-208352-2	P5M1-15	Total/NA	Solid	5035A_H	
480-208352-3	P5M1-16	Total/NA	Solid	5035A_H	
480-208352-4	P5M1-17	Total/NA	Solid	5035A_H	
480-208352-5	P5M1-18	Total/NA	Solid	5035A_H	
MB 480-667595/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-667595/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 667600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	8260C	667595
480-208352-2	P5M1-15	Total/NA	Solid	8260C	667595
480-208352-3	P5M1-16	Total/NA	Solid	8260C	667595
480-208352-4	P5M1-17	Total/NA	Solid	8260C	667595
480-208352-5	P5M1-18	Total/NA	Solid	8260C	667595
MB 480-667595/1-A	Method Blank	Total/NA	Solid	8260C	667595
LCS 480-667595/2-A	Lab Control Sample	Total/NA	Solid	8260C	667595

GC Semi VOA

Prep Batch: 667556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	3550C	
480-208352-2	P5M1-15	Total/NA	Solid	3550C	
480-208352-3	P5M1-16	Total/NA	Solid	3550C	
480-208352-4	P5M1-17	Total/NA	Solid	3550C	
480-208352-5	P5M1-18	Total/NA	Solid	3550C	
MB 480-667556/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-667556/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-208352-1 MS	P5MZ-8	Total/NA	Solid	3550C	
480-208352-1 MSD	P5MZ-8	Total/NA	Solid	3550C	

Analysis Batch: 667731

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	8082A	667556
480-208352-2	P5M1-15	Total/NA	Solid	8082A	667556
480-208352-3	P5M1-16	Total/NA	Solid	8082A	667556
480-208352-4	P5M1-17	Total/NA	Solid	8082A	667556
480-208352-5	P5M1-18	Total/NA	Solid	8082A	667556
MB 480-667556/1-A	Method Blank	Total/NA	Solid	8082A	667556
LCS 480-667556/2-A	Lab Control Sample	Total/NA	Solid	8082A	667556
480-208352-1 MS	P5MZ-8	Total/NA	Solid	8082A	667556
480-208352-1 MSD	P5MZ-8	Total/NA	Solid	8082A	667556

Metals

Prep Batch: 667650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	3050B	
480-208352-2	P5M1-15	Total/NA	Solid	3050B	
480-208352-3	P5M1-16	Total/NA	Solid	3050B	
480-208352-4	P5M1-17	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 667650 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-5	P5M1-18	Total/NA	Solid	3050B	
MB 480-667650/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-667650/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 667727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	7471B	
480-208352-2	P5M1-15	Total/NA	Solid	7471B	
480-208352-3	P5M1-16	Total/NA	Solid	7471B	
480-208352-4	P5M1-17	Total/NA	Solid	7471B	
480-208352-5	P5M1-18	Total/NA	Solid	7471B	
MB 480-667727/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-667727/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 667833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	7471B	667727
480-208352-2	P5M1-15	Total/NA	Solid	7471B	667727
480-208352-3	P5M1-16	Total/NA	Solid	7471B	667727
480-208352-4	P5M1-17	Total/NA	Solid	7471B	667727
480-208352-5	P5M1-18	Total/NA	Solid	7471B	667727
MB 480-667727/1-A	Method Blank	Total/NA	Solid	7471B	667727
LCSSRM 480-667727/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	667727

Analysis Batch: 668009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	6010C	667650
480-208352-2	P5M1-15	Total/NA	Solid	6010C	667650
480-208352-3	P5M1-16	Total/NA	Solid	6010C	667650
480-208352-4	P5M1-17	Total/NA	Solid	6010C	667650
480-208352-5	P5M1-18	Total/NA	Solid	6010C	667650
MB 480-667650/1-A	Method Blank	Total/NA	Solid	6010C	667650
LCSSRM 480-667650/2-A	Lab Control Sample	Total/NA	Solid	6010C	667650

General Chemistry

Analysis Batch: 667696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208352-1	P5MZ-8	Total/NA	Solid	Moisture	
480-208352-2	P5M1-15	Total/NA	Solid	Moisture	
480-208352-3	P5M1-16	Total/NA	Solid	Moisture	
480-208352-4	P5M1-17	Total/NA	Solid	Moisture	
480-208352-5	P5M1-18	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5MZ-8
Date Collected: 04/26/23 12:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	667696	DSC	EET BUF	05/01/23 17:31

Client Sample ID: P5MZ-8
Date Collected: 04/26/23 12:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-1
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			667595	ATG	EET BUF	05/01/23 09:05
Total/NA	Analysis	8260C		2	667600	ATG	EET BUF	05/01/23 15:17
Total/NA	Prep	3550C			667556	VXF	EET BUF	05/01/23 07:05
Total/NA	Analysis	8082A		1	667731	NC	EET BUF	05/02/23 11:30
Total/NA	Prep	3050B			667650	MP	EET BUF	05/01/23 14:44
Total/NA	Analysis	6010C		1	668009	LMH	EET BUF	05/02/23 15:40
Total/NA	Prep	7471B			667727	NVK	EET BUF	05/02/23 09:19
Total/NA	Analysis	7471B		1	667833	NVK	EET BUF	05/02/23 12:42

Client Sample ID: P5M1-15
Date Collected: 04/26/23 11:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	667696	DSC	EET BUF	05/01/23 17:31

Client Sample ID: P5M1-15
Date Collected: 04/26/23 11:00
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-2
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			667595	ATG	EET BUF	05/01/23 09:05
Total/NA	Analysis	8260C		1	667600	ATG	EET BUF	05/01/23 15:40
Total/NA	Prep	3550C			667556	VXF	EET BUF	05/01/23 07:05
Total/NA	Analysis	8082A		1	667731	NC	EET BUF	05/02/23 11:44
Total/NA	Prep	3050B			667650	MP	EET BUF	05/01/23 14:44
Total/NA	Analysis	6010C		1	668009	LMH	EET BUF	05/02/23 15:44
Total/NA	Prep	7471B			667727	NVK	EET BUF	05/02/23 09:19
Total/NA	Analysis	7471B		1	667833	NVK	EET BUF	05/02/23 12:43

Client Sample ID: P5M1-16
Date Collected: 04/26/23 11:15
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	667696	DSC	EET BUF	05/01/23 17:31

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Client Sample ID: P5M1-16
Date Collected: 04/26/23 11:15
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-3
Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			667595	ATG	EET BUF	05/01/23 09:05
Total/NA	Analysis	8260C		1	667600	ATG	EET BUF	05/01/23 16:03
Total/NA	Prep	3550C			667556	VXF	EET BUF	05/01/23 07:05
Total/NA	Analysis	8082A		1	667731	NC	EET BUF	05/02/23 11:57
Total/NA	Prep	3050B			667650	MP	EET BUF	05/01/23 14:44
Total/NA	Analysis	6010C		1	668009	LMH	EET BUF	05/02/23 15:59
Total/NA	Prep	7471B			667727	NVK	EET BUF	05/02/23 09:19
Total/NA	Analysis	7471B		1	667833	NVK	EET BUF	05/02/23 12:45

Client Sample ID: P5M1-17
Date Collected: 04/26/23 11:30
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	667696	DSC	EET BUF	05/01/23 17:31

Client Sample ID: P5M1-17
Date Collected: 04/26/23 11:30
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-4
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			667595	ATG	EET BUF	05/01/23 09:05
Total/NA	Analysis	8260C		1	667600	ATG	EET BUF	05/01/23 16:26
Total/NA	Prep	3550C			667556	VXF	EET BUF	05/01/23 07:05
Total/NA	Analysis	8082A		1	667731	NC	EET BUF	05/02/23 12:11
Total/NA	Prep	3050B			667650	MP	EET BUF	05/01/23 14:44
Total/NA	Analysis	6010C		1	668009	LMH	EET BUF	05/02/23 16:03
Total/NA	Prep	7471B			667727	NVK	EET BUF	05/02/23 09:19
Total/NA	Analysis	7471B		1	667833	NVK	EET BUF	05/02/23 12:49

Client Sample ID: P5M1-18
Date Collected: 04/26/23 11:45
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	667696	DSC	EET BUF	05/01/23 17:31

Client Sample ID: P5M1-18
Date Collected: 04/26/23 11:45
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-5
Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			667595	ATG	EET BUF	05/01/23 09:05
Total/NA	Analysis	8260C		1	667600	ATG	EET BUF	05/01/23 16:49
Total/NA	Prep	3550C			667556	VXF	EET BUF	05/01/23 07:05
Total/NA	Analysis	8082A		1	667731	NC	EET BUF	05/02/23 12:24

Lab Chronicle

Client: Waste Management
Job ID: 480-208352-1
Project/Site: Orchard Ridge-Boundary Road

Client Sample ID: P5M1-18
Date Collected: 04/26/23 11:45
Date Received: 04/28/23 10:00

Lab Sample ID: 480-208352-5
Matrix: Solid
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			667650	MP	EET BUF	05/01/23 14:44
Total/NA	Analysis	6010C		1	668009	LMH	EET BUF	05/02/23 16:07
Total/NA	Prep	7471B			667727	NVK	EET BUF	05/02/23 09:19
Total/NA	Analysis	7471B		1	667833	NVK	EET BUF	05/02/23 12:50

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-208352-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208352-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-208352-1	P5MZ-8	Solid	04/26/23 12:00	04/28/23 10:00
480-208352-2	P5M1-15	Solid	04/26/23 11:00	04/28/23 10:00
480-208352-3	P5M1-16	Solid	04/26/23 11:15	04/28/23 10:00
480-208352-4	P5M1-17	Solid	04/26/23 11:30	04/28/23 10:00
480-208352-5	P5M1-18	Solid	04/26/23 11:45	04/28/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-208352-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 4/26/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Groede
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Site: Boundary Road landfill				Job / SDG No.:
P O # 48025931				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
PSM2-8	4/26	1200	G	S	3	N	N	X	X	PID 3.0 PPM
PSM1-15	4/26	1100	G	S	3	N	N	X	X	PID 2.5 PPM
PSM1-16	4/26	1115	G	S	3	N	N	X	X	PID 1.2 PPM
PSM1-17	4/26	1130	G	S	3	N	N	X	X	PID 0.7 PPM
PSM1-18	4/26	1145	G	S	3	N	N	X	X	PID 0.9 PPM
								1	1	

480-208352 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

#1 3.8

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: SCS Engineers	Date/Time: 4/26 4:00	Received by:	Company: TA3	Date/Time: 4/28/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/4/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-208352-1

Login Number: 208352
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORES PUT IN FREEZER @ 1230 4/28/23
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 5/11/2023 6:07:10 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-208615-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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5/11/2023 6:07:10 PM

Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Job ID: 480-208615-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208615-1

Comments
No additional comments.

Receipt
The samples were received on 5/5/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis and diluted due to the abundance of non-target analytes: P5M1-9 (480-208615-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were analyzed using medium level soil analysis: P5M2-9 (480-208615-2) and P5M1-19 (480-208615-3). Elevated reporting limits (RLs) are provided.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M1-9 — Lab Sample ID: 480-208615-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	3300		210	59	ug/Kg	4	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	140	J	210	64	ug/Kg	4	☼	8260C	Total/NA
1,4-Dichlorobenzene	210		210	30	ug/Kg	4	☼	8260C	Total/NA
p-Isopropyltoluene	290		210	71	ug/Kg	4	☼	8260C	Total/NA
Ethylbenzene	3300		210	62	ug/Kg	4	☼	8260C	Total/NA
Isopropylbenzene	1000		210	32	ug/Kg	4	☼	8260C	Total/NA
m&p-Xylene	2900		420	120	ug/Kg	4	☼	8260C	Total/NA
Naphthalene	1100		210	71	ug/Kg	4	☼	8260C	Total/NA
N-Propylbenzene	460		210	55	ug/Kg	4	☼	8260C	Total/NA
Xylenes, Total	2900		420	120	ug/Kg	4	☼	8260C	Total/NA
Arsenic	2.3		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	19.5		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.14	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	6.9		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	7.2		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M2-9 — Lab Sample ID: 480-208615-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	710		55	10	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	26	J	55	16	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	41	J	55	8.2	ug/Kg	1	☼	8260C	Total/NA
Arsenic	4.6		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	22.4		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.079	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	7.9		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	8.8		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M1-19 — Lab Sample ID: 480-208615-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.1		2.5	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	58.6		0.61	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J	0.25	0.037	mg/Kg	1	☼	6010C	Total/NA
Chromium	15.8		0.61	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	15.9		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	21.5	J	22.9	5.3	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M1-9
Date Collected: 05/04/23 14:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<60		210	60	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1,1-Trichloroethane	<59		210	59	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1,2,2-Tetrachloroethane	<34		210	34	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1,2-Trichloroethane	<44		210	44	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1-Dichloroethane	<65		210	65	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1-Dichloroethene	<73		210	73	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,1-Dichloropropene	<53		210	53	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2,3-Trichlorobenzene	<97		210	97	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2,3-Trichloropropane	<47		210	47	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2,4-Trichlorobenzene	<80		210	80	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2,4-Trimethylbenzene	**3300**		210	59	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2-Dibromo-3-Chloropropane	<110		210	110	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2-Dichlorobenzene	<54		210	54	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2-Dichloroethane	<86		210	86	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2-Dichloropropane	<34		210	34	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,3,5-Trimethylbenzene	**140**	**J**	210	64	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,3-Dichlorobenzene	<56		210	56	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,3-Dichloropropane	<38		210	38	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,4-Dichlorobenzene	**210**		210	30	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
2,2-Dichloropropane	<48		210	48	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
2-Chlorotoluene	<81		210	81	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
4-Chlorotoluene	<43		210	43	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
p-Isopropyltoluene	**290**		210	71	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Benzene	<40		210	40	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Bromobenzene	<46		210	46	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Bromoform	<110		210	110	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Bromomethane	<47		210	47	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Carbon tetrachloride	<54		210	54	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Chlorobenzene	<28		210	28	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Bromochloromethane	<76		210	76	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Dibromochloromethane	<100		210	100	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Chloroethane	<44		210	44	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Chloroform	<150		210	150	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Chloromethane	<50		210	50	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
cis-1,2-Dichloroethene	<58		210	58	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Dibromomethane	<69		210	69	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Bromodichloromethane	<42		210	42	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Dichlorodifluoromethane	<92		210	92	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Ethylbenzene	**3300**		210	62	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
1,2-Dibromoethane	<37		210	37	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Hexachlorobutadiene	<84		210	84	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Isopropyl ether	<110		210	110	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Isopropylbenzene	**1000**		210	32	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Methyl tert-butyl ether	<80		210	80	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Methylene Chloride	<42		210	42	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
m&p-Xylene	**2900**		420	120	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Naphthalene	**1100**		210	71	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
n-Butylbenzene	<62		210	62	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
N-Propylbenzene	**460**		210	55	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4

Client Sample ID: P5M1-9
Date Collected: 05/04/23 14:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-1
Matrix: Solid
Percent Solids: 87.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<27		210	27	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
sec-Butylbenzene	<78		210	78	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Tetrachloroethene	<28		210	28	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Toluene	<57		210	57	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
trans-1,2-Dichloroethene	<50		210	50	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
trans-1,3-Dichloropropene	<21		210	21	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Trichloroethene	<59		210	59	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Trichlorofluoromethane	<99		210	99	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Vinyl chloride	<71		210	71	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Xylenes, Total	**2900**		420	120	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
cis-1,3-Dichloropropene	<51		210	51	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
Styrene	<51		210	51	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4
tert-Butylbenzene	<59		210	59	ug/Kg	☼	05/07/23 21:26	05/08/23 17:40	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*05/07/23 21:26*	*05/08/23 17:40*	*4*
4-Bromofluorobenzene (Surr)	*103*		*49 - 148*	*05/07/23 21:26*	*05/08/23 17:40*	*4*
Toluene-d8 (Surr)	*103*		*50 - 149*	*05/07/23 21:26*	*05/08/23 17:40*	*4*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/07/23 21:26*	*05/08/23 17:40*	*4*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<54		270	54	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1221	<54		270	54	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1232	<54		270	54	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1242	<54		270	54	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1248	<54		270	54	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1254	<130		270	130	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1
PCB-1260	<130		270	130	ug/Kg	☼	05/10/23 06:59	05/10/23 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*05/10/23 06:59*	*05/10/23 19:10*	*1*
DCB Decachlorobiphenyl	*109*		*65 - 174*	*05/10/23 06:59*	*05/10/23 19:10*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.70	0.23	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Arsenic	**2.3**		2.3	0.47	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Barium	**19.5**		0.58	0.13	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Cadmium	**0.14**	**J**	0.23	0.035	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Chromium	**6.9**		0.58	0.23	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Lead	**7.2**		1.2	0.28	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/08/23 11:09	05/09/23 22:32	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.1		22.1	5.1	ug/Kg	☼	05/10/23 09:53	05/10/23 13:34	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M2-9
Date Collected: 05/04/23 12:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-2
Matrix: Solid
Percent Solids: 87.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		55	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1,1-Trichloroethane	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1,2,2-Tetrachloroethane	<8.9		55	8.9	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1,2-Trichloroethane	<11		55	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1-Dichloroethane	<17		55	17	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1-Dichloroethene	<19		55	19	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,1-Dichloropropene	<14		55	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2,3-Trichlorobenzene	<25		55	25	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2,3-Trichloropropane	<12		55	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2,4-Trichlorobenzene	<21		55	21	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2,4-Trimethylbenzene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2-Dibromo-3-Chloropropane	<27		55	27	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2-Dichlorobenzene	<14		55	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2-Dichloroethane	<22		55	22	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2-Dichloropropane	<8.9		55	8.9	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,3,5-Trimethylbenzene	<17		55	17	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,3-Dichlorobenzene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,3-Dichloropropane	<10		55	10	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,4-Dichlorobenzene	<7.7		55	7.7	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
2,2-Dichloropropane	<12		55	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
2-Chlorotoluene	<21		55	21	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
4-Chlorotoluene	<11		55	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
p-Isopropyltoluene	<18		55	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Benzene	**710**		55	10	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Bromobenzene	<12		55	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Bromoform	<27		55	27	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Bromomethane	<12		55	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Carbon tetrachloride	<14		55	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Chlorobenzene	<7.2		55	7.2	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Bromochloromethane	<20		55	20	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Dibromochloromethane	<26		55	26	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Chloroethane	<11		55	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Chloroform	<38		55	38	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Chloromethane	<13		55	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
cis-1,2-Dichloroethene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Dibromomethane	<18		55	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Bromodichloromethane	<11		55	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Dichlorodifluoromethane	<24		55	24	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Ethylbenzene	**26**	**J**	55	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
1,2-Dibromoethane	<9.6		55	9.6	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Hexachlorobutadiene	<22		55	22	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Isopropyl ether	<29		55	29	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Isopropylbenzene	**41**	**J**	55	8.2	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Methyl tert-butyl ether	<21		55	21	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Methylene Chloride	<11		55	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
m&p-Xylene	<30		110	30	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Naphthalene	<18		55	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
n-Butylbenzene	<16		55	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
N-Propylbenzene	<14		55	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1

Client Sample ID: P5M2-9

Date Collected: 05/04/23 12:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-2

Matrix: Solid
Percent Solids: 87.1

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.1		55	7.1	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
sec-Butylbenzene	<20		55	20	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Tetrachloroethene	<7.4		55	7.4	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Toluene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
trans-1,2-Dichloroethene	<13		55	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
trans-1,3-Dichloropropene	<5.4		55	5.4	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Trichloroethene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Trichlorofluoromethane	<26		55	26	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Vinyl chloride	<18		55	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Xylenes, Total	<30		110	30	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
cis-1,3-Dichloropropene	<13		55	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
Styrene	<13		55	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1
tert-Butylbenzene	<15		55	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*133*		*53 - 146*	*05/07/23 21:26*	*05/08/23 18:03*	*1*
4-Bromofluorobenzene (Surr)	*136*		*49 - 148*	*05/07/23 21:26*	*05/08/23 18:03*	*1*
Toluene-d8 (Surr)	*134*		*50 - 149*	*05/07/23 21:26*	*05/08/23 18:03*	*1*
Dibromofluoromethane (Surr)	*131*		*60 - 140*	*05/07/23 21:26*	*05/08/23 18:03*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<55		280	55	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1221	<55		280	55	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1232	<55		280	55	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1242	<55		280	55	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1248	<55		280	55	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1254	<130		280	130	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1
PCB-1260	<130		280	130	ug/Kg	☼	05/10/23 06:59	05/10/23 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*05/10/23 06:59*	*05/10/23 19:23*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*05/10/23 06:59*	*05/10/23 19:23*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.70	0.23	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Arsenic	**4.6**		2.3	0.46	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Barium	**22.4**		0.58	0.13	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Cadmium	**0.079**	**J**	0.23	0.035	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Chromium	**7.9**		0.58	0.23	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Lead	**8.8**		1.2	0.28	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/08/23 11:09	05/09/23 22:36	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.0		21.7	5.0	ug/Kg	☼	05/10/23 09:53	05/10/23 13:35	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M1-19
Date Collected: 05/04/23 14:30
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-3
Matrix: Solid
Percent Solids: 78.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<17		58	17	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1,1-Trichloroethane	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1,2,2-Tetrachloroethane	<9.4		58	9.4	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1,2-Trichloroethane	<12		58	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1-Dichloroethane	<18		58	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1-Dichloroethene	<20		58	20	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,1-Dichloropropene	<14		58	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2,3-Trichlorobenzene	<27		58	27	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2,3-Trichloropropane	<13		58	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2,4-Trichlorobenzene	<22		58	22	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2,4-Trimethylbenzene	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2-Dibromo-3-Chloropropane	<29		58	29	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2-Dichlorobenzene	<15		58	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2-Dichloroethane	<24		58	24	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2-Dichloropropane	<9.4		58	9.4	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,3,5-Trimethylbenzene	<18		58	18	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,3-Dichlorobenzene	<15		58	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,3-Dichloropropane	<11		58	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,4-Dichlorobenzene	<8.1		58	8.1	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
2,2-Dichloropropane	<13		58	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
2-Chlorotoluene	<22		58	22	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
4-Chlorotoluene	<12		58	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
p-Isopropyltoluene	<20		58	20	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Benzene	<11		58	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Bromobenzene	<13		58	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Bromoform	<29		58	29	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Bromomethane	<13		58	13	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Carbon tetrachloride	<15		58	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Chlorobenzene	<7.7		58	7.7	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Bromochloromethane	<21		58	21	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Dibromochloromethane	<28		58	28	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Chloroethane	<12		58	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Chloroform	<40		58	40	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Chloromethane	<14		58	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
cis-1,2-Dichloroethene	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Dibromomethane	<19		58	19	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Bromodichloromethane	<12		58	12	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Dichlorodifluoromethane	<25		58	25	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Ethylbenzene	<17		58	17	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
1,2-Dibromoethane	<10		58	10	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Hexachlorobutadiene	<23		58	23	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Isopropyl ether	<31		58	31	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Isopropylbenzene	<8.7		58	8.7	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Methyl tert-butyl ether	<22		58	22	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Methylene Chloride	<11		58	11	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
m&p-Xylene	<32		120	32	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Naphthalene	<20		58	20	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
n-Butylbenzene	<17		58	17	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
N-Propylbenzene	<15		58	15	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1

Client Sample ID: P5M1-19
Date Collected: 05/04/23 14:30
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-3
Matrix: Solid
Percent Solids: 78.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.5		58	7.5	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
sec-Butylbenzene	<21		58	21	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Tetrachloroethene	<7.8		58	7.8	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Toluene	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
trans-1,2-Dichloroethene	<14		58	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
trans-1,3-Dichloropropene	<5.7		58	5.7	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Trichloroethene	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Trichlorofluoromethane	<27		58	27	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Vinyl chloride	<19		58	19	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Xylenes, Total	<32		120	32	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
cis-1,3-Dichloropropene	<14		58	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
Styrene	<14		58	14	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1
tert-Butylbenzene	<16		58	16	ug/Kg	☼	05/07/23 21:26	05/08/23 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*05/07/23 21:26*	*05/08/23 18:26*	*1*
4-Bromofluorobenzene (Surr)	*111*		*49 - 148*	*05/07/23 21:26*	*05/08/23 18:26*	*1*
Toluene-d8 (Surr)	*111*		*50 - 149*	*05/07/23 21:26*	*05/08/23 18:26*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/07/23 21:26*	*05/08/23 18:26*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1221	<43		220	43	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1232	<43		220	43	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1242	<43		220	43	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1248	<43		220	43	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1254	<100		220	100	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1
PCB-1260	<100		220	100	ug/Kg	☼	05/10/23 06:59	05/10/23 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*60 - 154*	*05/10/23 06:59*	*05/10/23 20:03*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*05/10/23 06:59*	*05/10/23 20:03*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.74	0.25	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Arsenic	**5.1**		2.5	0.49	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Barium	**58.6**		0.61	0.14	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Cadmium	**0.12**	**J**	0.25	0.037	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Chromium	**15.8**		0.61	0.25	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Lead	**15.9**		1.2	0.30	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	05/08/23 11:09	05/09/23 22:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21.5**	**J**	22.9	5.3	ug/Kg	☼	05/10/23 09:53	05/10/23 13:36	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-208615-1	P5M1-9	101	103	103	95
480-208615-2	P5M2-9	133	136	134	131
480-208615-3	P5M1-19	103	111	111	102
LCS 480-668507/1-A	Lab Control Sample	95	105	102	97
MB 480-668507/2-A	Method Blank	92	91	94	90

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-208615-1	P5M1-9	104	109
480-208615-1 MS	P5M1-9	124	139
480-208615-1 MSD	P5M1-9	118	130
480-208615-2	P5M2-9	101	110
480-208615-3	P5M1-19	108	112
LCS 480-668821/2-A	Lab Control Sample	118	129
MB 480-668821/1-A	Method Blank	108	113

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-668507/2-A
Matrix: Solid
Analysis Batch: 668619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668507

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Benzene	<19		100	19	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Bromobenzene	<22		100	22	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Bromoform	<50		100	50	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Bromomethane	<22		100	22	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Chlorobenzene	<13		100	13	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Bromochloromethane	<36		100	36	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Dibromochloromethane	<48		100	48	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Chloroethane	<21		100	21	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Chloroform	<69		100	69	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Chloromethane	<24		100	24	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Dibromomethane	<33		100	33	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Bromodichloromethane	<20		100	20	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Ethylbenzene	<29		100	29	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Isopropyl ether	<53		100	53	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Isopropylbenzene	<15		100	15	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Methylene Chloride	<20		100	20	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
m&p-Xylene	<55		200	55	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Naphthalene	<34		100	34	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
n-Butylbenzene	<29		100	29	ug/Kg		05/07/23 21:26	05/08/23 17:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-668507/2-A
Matrix: Solid
Analysis Batch: 668619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668507

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
o-Xylene	<13		100	13	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Tetrachloroethene	<13		100	13	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Toluene	<27		100	27	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Trichloroethene	<28		100	28	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Vinyl chloride	<34		100	34	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Xylenes, Total	<55		200	55	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
Styrene	<24		100	24	ug/Kg		05/07/23 21:26	05/08/23 17:02	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/07/23 21:26	05/08/23 17:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*53 - 146*	*05/07/23 21:26*	*05/08/23 17:02*	*1*
4-Bromofluorobenzene (Surr)	*91*		*49 - 148*	*05/07/23 21:26*	*05/08/23 17:02*	*1*
Toluene-d8 (Surr)	*94*		*50 - 149*	*05/07/23 21:26*	*05/08/23 17:02*	*1*
Dibromofluoromethane (Surr)	*90*		*60 - 140*	*05/07/23 21:26*	*05/08/23 17:02*	*1*

Lab Sample ID: LCS 480-668507/1-A
Matrix: Solid
Analysis Batch: 668619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2600		ug/Kg		104	78 - 120
1,1,1-Trichloroethane	2500	2500		ug/Kg		100	68 - 130
1,1,2,2-Tetrachloroethane	2500	2460		ug/Kg		98	73 - 120
1,1,2-Trichloroethane	2500	2540		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2450		ug/Kg		98	78 - 121
1,1-Dichloroethene	2500	2290		ug/Kg		92	48 - 133
1,1-Dichloropropene	2500	2550		ug/Kg		102	75 - 121
1,2,3-Trichlorobenzene	2500	2520		ug/Kg		101	57 - 150
1,2,3-Trichloropropane	2500	2450		ug/Kg		98	75 - 120
1,2,4-Trichlorobenzene	2500	2560		ug/Kg		102	70 - 140
1,2,4-Trimethylbenzene	2500	2670		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2270		ug/Kg		91	56 - 122
1,2-Dichlorobenzene	2500	2640		ug/Kg		106	78 - 125
1,2-Dichloroethane	2500	2320		ug/Kg		93	74 - 127
1,2-Dichloropropane	2500	2410		ug/Kg		96	80 - 120
1,3,5-Trimethylbenzene	2500	2720		ug/Kg		109	79 - 120
1,3-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
1,3-Dichloropropane	2500	2460		ug/Kg		98	80 - 120
1,4-Dichlorobenzene	2500	2600		ug/Kg		104	80 - 120
2,2-Dichloropropane	2500	2580		ug/Kg		103	58 - 142
2-Chlorotoluene	2500	2590		ug/Kg		104	72 - 122
4-Chlorotoluene	2500	2690		ug/Kg		107	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-668507/1-A
Matrix: Solid
Analysis Batch: 668619

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668507

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2750		ug/Kg		110	80 - 120
Benzene	2500	2390		ug/Kg		96	77 - 125
Bromobenzene	2500	2770		ug/Kg		111	78 - 120
Bromoform	2500	2400		ug/Kg		96	48 - 125
Bromomethane	2500	2360		ug/Kg		94	39 - 149
Carbon tetrachloride	2500	2480		ug/Kg		99	54 - 135
Chlorobenzene	2500	2550		ug/Kg		102	76 - 126
Bromochloromethane	2500	2240		ug/Kg		90	79 - 120
Dibromochloromethane	2500	2520		ug/Kg		101	64 - 120
Chloroethane	2500	2230		ug/Kg		89	23 - 150
Chloroform	2500	2360		ug/Kg		94	78 - 120
Chloromethane	2500	2240		ug/Kg		90	61 - 124
cis-1,2-Dichloroethene	2500	2290		ug/Kg		92	79 - 124
Dibromomethane	2500	2380		ug/Kg		95	79 - 120
Bromodichloromethane	2500	2270		ug/Kg		91	71 - 121
Dichlorodifluoromethane	2500	1980		ug/Kg		79	10 - 150
Ethylbenzene	2500	2680		ug/Kg		107	78 - 124
1,2-Dibromoethane	2500	2480		ug/Kg		99	80 - 120
Hexachlorobutadiene	2500	2660		ug/Kg		106	61 - 149
Isopropylbenzene	2500	2700		ug/Kg		108	76 - 120
Methyl tert-butyl ether	2500	2280		ug/Kg		91	67 - 137
Methylene Chloride	2500	2240		ug/Kg		90	75 - 118
m&p-Xylene	2500	2580		ug/Kg		103	77 - 125
Naphthalene	2500	2430		ug/Kg		97	65 - 142
n-Butylbenzene	2500	2800		ug/Kg		112	80 - 120
N-Propylbenzene	2500	2740		ug/Kg		109	76 - 120
o-Xylene	2500	2630		ug/Kg		105	80 - 124
sec-Butylbenzene	2500	2770		ug/Kg		111	79 - 120
Tetrachloroethene	2500	2660		ug/Kg		106	73 - 133
Toluene	2500	2590		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2420		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2460		ug/Kg		98	73 - 120
Trichloroethene	2500	2380		ug/Kg		95	75 - 131
Trichlorofluoromethane	2500	2430		ug/Kg		97	29 - 158
Vinyl chloride	2500	2400		ug/Kg		96	59 - 124
cis-1,3-Dichloropropene	2500	2370		ug/Kg		95	75 - 121
Styrene	2500	2640		ug/Kg		106	80 - 120
tert-Butylbenzene	2500	2770		ug/Kg		111	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*
4-Bromofluorobenzene (Surr)	*105*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-668821/1-A
Matrix: Solid
Analysis Batch: 668833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668821

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1221	<45		230	45	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1232	<45		230	45	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1242	<45		230	45	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1248	<45		230	45	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1254	<110		230	110	ug/Kg		05/10/23 06:59	05/10/23 18:16	1
PCB-1260	<110		230	110	ug/Kg		05/10/23 06:59	05/10/23 18:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*60 - 154*	*05/10/23 06:59*	*05/10/23 18:16*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*05/10/23 06:59*	*05/10/23 18:16*	*1*

Lab Sample ID: LCS 480-668821/2-A
Matrix: Solid
Analysis Batch: 668833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668821

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2240	2980		ug/Kg		133	51 - 185		
PCB-1260			2240	2760		ug/Kg		123	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*118*		*60 - 154*
DCB Decachlorobiphenyl	*129*		*65 - 174*

Lab Sample ID: 480-208615-1 MS
Matrix: Solid
Analysis Batch: 668833

Client Sample ID: P5M1-9
Prep Type: Total/NA
Prep Batch: 668821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<54		2580	3520		ug/Kg	☼	137	50 - 177		
PCB-1260	<130		2580	3310		ug/Kg	☼	128	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*124*		*60 - 154*
DCB Decachlorobiphenyl	*139*		*65 - 174*

Lab Sample ID: 480-208615-1 MSD
Matrix: Solid
Analysis Batch: 668833

Client Sample ID: P5M1-9
Prep Type: Total/NA
Prep Batch: 668821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<54		2550	3360		ug/Kg	☼	132	50 - 177	5	50
PCB-1260	<130		2550	3160		ug/Kg	☼	124	33 - 200	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*118*		*60 - 154*
DCB Decachlorobiphenyl	*130*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-668595/1-A
Matrix: Solid
Analysis Batch: 668908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668595

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.63	0.21	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Arsenic	<0.42		2.1	0.42	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Barium	<0.11		0.52	0.11	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Cadmium	<0.031		0.21	0.031	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Chromium	<0.21		0.52	0.21	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Lead	<0.25		1.0	0.25	mg/Kg		05/08/23 11:09	05/09/23 21:01	1
Selenium	<0.42		4.2	0.42	mg/Kg		05/08/23 11:09	05/09/23 21:01	1

Lab Sample ID: LCSSRM 480-668595/2-A
Matrix: Solid
Analysis Batch: 668908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668595

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	67.52		mg/Kg		77.2	63.7 - 115.4
Arsenic	129	100.4		mg/Kg		77.8	60.9 - 113.2
Barium	169	142.2		mg/Kg		84.1	68.6 - 114.2
Cadmium	227	169.7		mg/Kg		74.7	64.8 - 110.1
Chromium	115	93.95		mg/Kg		81.7	62.4 - 115.7
Lead	74.8	84.30		mg/Kg		112.7	67.0 - 128.9
Selenium	246	181.9		mg/Kg		74.0	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-668839/1-A
Matrix: Solid
Analysis Batch: 668968

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 668839

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.5		19.5	4.5	ug/Kg		05/10/23 09:53	05/10/23 13:31	1

Lab Sample ID: LCSSRM 480-668839/2-A ^10
Matrix: Solid
Analysis Batch: 668968

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 668839

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12920		ug/Kg		62.4	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

GC/MS VOA

Prep Batch: 668507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	5035A_H	
480-208615-2	P5M2-9	Total/NA	Solid	5035A_H	
480-208615-3	P5M1-19	Total/NA	Solid	5035A_H	
MB 480-668507/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-668507/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 668619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	8260C	668507
480-208615-2	P5M2-9	Total/NA	Solid	8260C	668507
480-208615-3	P5M1-19	Total/NA	Solid	8260C	668507
MB 480-668507/2-A	Method Blank	Total/NA	Solid	8260C	668507
LCS 480-668507/1-A	Lab Control Sample	Total/NA	Solid	8260C	668507

GC Semi VOA

Prep Batch: 668821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	3550C	
480-208615-2	P5M2-9	Total/NA	Solid	3550C	
480-208615-3	P5M1-19	Total/NA	Solid	3550C	
MB 480-668821/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-668821/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-208615-1 MS	P5M1-9	Total/NA	Solid	3550C	
480-208615-1 MSD	P5M1-9	Total/NA	Solid	3550C	

Analysis Batch: 668833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	8082A	668821
480-208615-2	P5M2-9	Total/NA	Solid	8082A	668821
480-208615-3	P5M1-19	Total/NA	Solid	8082A	668821
MB 480-668821/1-A	Method Blank	Total/NA	Solid	8082A	668821
LCS 480-668821/2-A	Lab Control Sample	Total/NA	Solid	8082A	668821
480-208615-1 MS	P5M1-9	Total/NA	Solid	8082A	668821
480-208615-1 MSD	P5M1-9	Total/NA	Solid	8082A	668821

Metals

Prep Batch: 668595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	3050B	
480-208615-2	P5M2-9	Total/NA	Solid	3050B	
480-208615-3	P5M1-19	Total/NA	Solid	3050B	
MB 480-668595/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-668595/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 668839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	7471B	
480-208615-2	P5M2-9	Total/NA	Solid	7471B	
480-208615-3	P5M1-19	Total/NA	Solid	7471B	
MB 480-668839/1-A	Method Blank	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 668839 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-668839/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 668908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	6010C	668595
480-208615-2	P5M2-9	Total/NA	Solid	6010C	668595
480-208615-3	P5M1-19	Total/NA	Solid	6010C	668595
MB 480-668595/1-A	Method Blank	Total/NA	Solid	6010C	668595
LCSSRM 480-668595/2-A	Lab Control Sample	Total/NA	Solid	6010C	668595

Analysis Batch: 668968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	7471B	668839
480-208615-2	P5M2-9	Total/NA	Solid	7471B	668839
480-208615-3	P5M1-19	Total/NA	Solid	7471B	668839
MB 480-668839/1-A	Method Blank	Total/NA	Solid	7471B	668839
LCSSRM 480-668839/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	668839

General Chemistry

Analysis Batch: 668426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208615-1	P5M1-9	Total/NA	Solid	Moisture	
480-208615-2	P5M2-9	Total/NA	Solid	Moisture	
480-208615-3	P5M1-19	Total/NA	Solid	Moisture	
480-208615-3 DU	P5M1-19	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M1-9
Date Collected: 05/04/23 14:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668426	KER	EET BUF	05/05/23 18:33

Client Sample ID: P5M1-9
Date Collected: 05/04/23 14:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-1
Matrix: Solid
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			668507	CDC	EET BUF	05/07/23 21:26
Total/NA	Analysis	8260C		4	668619	ATG	EET BUF	05/08/23 17:40
Total/NA	Prep	3550C			668821	SMP	EET BUF	05/10/23 06:59
Total/NA	Analysis	8082A		1	668833	NC	EET BUF	05/10/23 19:10
Total/NA	Prep	3050B			668595	MP	EET BUF	05/08/23 11:09
Total/NA	Analysis	6010C		1	668908	LMH	EET BUF	05/09/23 22:32
Total/NA	Prep	7471B			668839	NVK	EET BUF	05/10/23 09:53
Total/NA	Analysis	7471B		1	668968	NVK	EET BUF	05/10/23 13:34

Client Sample ID: P5M2-9
Date Collected: 05/04/23 12:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668426	KER	EET BUF	05/05/23 18:33

Client Sample ID: P5M2-9
Date Collected: 05/04/23 12:00
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-2
Matrix: Solid
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			668507	CDC	EET BUF	05/07/23 21:26
Total/NA	Analysis	8260C		1	668619	ATG	EET BUF	05/08/23 18:03
Total/NA	Prep	3550C			668821	SMP	EET BUF	05/10/23 06:59
Total/NA	Analysis	8082A		1	668833	NC	EET BUF	05/10/23 19:23
Total/NA	Prep	3050B			668595	MP	EET BUF	05/08/23 11:09
Total/NA	Analysis	6010C		1	668908	LMH	EET BUF	05/09/23 22:36
Total/NA	Prep	7471B			668839	NVK	EET BUF	05/10/23 09:53
Total/NA	Analysis	7471B		1	668968	NVK	EET BUF	05/10/23 13:35

Client Sample ID: P5M1-19
Date Collected: 05/04/23 14:30
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668426	KER	EET BUF	05/05/23 18:33

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Client Sample ID: P5M1-19

Date Collected: 05/04/23 14:30
Date Received: 05/05/23 10:00

Lab Sample ID: 480-208615-3

Matrix: Solid
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			668507	CDC	EET BUF	05/07/23 21:26
Total/NA	Analysis	8260C		1	668619	ATG	EET BUF	05/08/23 18:26
Total/NA	Prep	3550C			668821	SMP	EET BUF	05/10/23 06:59
Total/NA	Analysis	8082A		1	668833	NC	EET BUF	05/10/23 20:03
Total/NA	Prep	3050B			668595	MP	EET BUF	05/08/23 11:09
Total/NA	Analysis	6010C		1	668908	LMH	EET BUF	05/09/23 22:51
Total/NA	Prep	7471B			668839	NVK	EET BUF	05/10/23 09:53
Total/NA	Analysis	7471B		1	668968	NVK	EET BUF	05/10/23 13:36

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208615-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-208615-1	P5M1-9	Solid	05/04/23 14:00	05/05/23 10:00
480-208615-2	P5M2-9	Solid	05/04/23 12:00	05/05/23 10:00
480-208615-3	P5M1-19	Solid	05/04/23 14:30	05/05/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-208615-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

25931

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date:	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	___1___ of ___1__ COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐CALENDAR DAYS ☑WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ___5 days_____			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐1 week			Job / SDG No.:
P O # 48025931	☐2 days			
	☐1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
PSM1-9	5/4	1400	G	S	3	N	N	X	X	3.2 PPM Sand
PSM2-9	5/4	1200	G	S	3	N	N	X	X	3.3 PPM Sand
PSM1-19	5/4	1430	G	S	3	N	N	X	X	2.9 PPM Clay
								1	1	

480-208615 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☑Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

#1 3.9

Custody Seals Intact: ☑Yes ☐No | Custody Seal No.: 2064965 | Cooler Temp. (°C): Obs'd:_____ Corr'd:_____ Therm ID No.:_____

Relinquished by: Colin Gloede	Company: SCS Engineers	Date/Time:	Received by:	Company: FAB	Date/Time: 5/5/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/11/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-208615-1

Login Number: 208615
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	PUT IN FREEZER 5-5-23 12:15
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 5/19/2023 4:07:13 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road
Soil Sampling

JOB NUMBER

480-208753-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

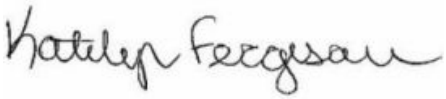
Eurofins Buffalo

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Authorized for release by
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Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-208753-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208753-1

Comments
No additional comments.

Receipt
The samples were received on 5/10/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis: P5M2-10 (480-208753-2) and P5M1-20 (480-208753-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 669492 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5M2-10 (480-208753-2) and P5M1-20 (480-208753-3).

Method 8260C: The following sample was analyzed using medium level soil analysis: P5M1-10 (480-208753-1). Elevated reporting limits (RLs) are provided.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Client Sample ID: P5M1-10 — Lab Sample ID: 480-208753-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		53	10	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	390		53	16	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	55		53	8.0	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	440		110	30	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	23	J	53	14	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	46	J	53	6.9	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	490		110	30	ug/Kg	1	☼	8260C	Total/NA
Arsenic	9.7		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	45.2		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.36		0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	10.3		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	8.9		1.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	20.3	J	23.7	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-10 — Lab Sample ID: 480-208753-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	53.3		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.034	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	19.3		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	14.7		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	11.9	J	22.8	5.2	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-20 — Lab Sample ID: 480-208753-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	150		60	17	ug/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	85		60	18	ug/Kg	1	☼	8260C	Total/NA
Ethylbenzene	180		60	18	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	850		120	33	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	93		60	20	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	30	J	60	16	ug/Kg	1	☼	8260C	Total/NA
o-Xylene	250		60	7.8	ug/Kg	1	☼	8260C	Total/NA
Toluene	28	J	60	16	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	1100		120	33	ug/Kg	1	☼	8260C	Total/NA
PCB-1242	160	J	200	39	ug/Kg	1	☼	8082A	Total/NA
Arsenic	4.0		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	82.3		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.9		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	340		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	50.7		22.2	5.1	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-10
Date Collected: 05/09/23 13:00
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-1
Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1,1-Trichloroethane	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1,2,2-Tetrachloroethane	<8.7		53	8.7	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1,2-Trichloroethane	<11		53	11	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1-Dichloroethane	<16		53	16	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1-Dichloroethene	<18		53	18	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,1-Dichloropropene	<13		53	13	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2,3-Trichlorobenzene	<25		53	25	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2,3-Trichloropropane	<12		53	12	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2,4-Trichlorobenzene	<20		53	20	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2,4-Trimethylbenzene	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2-Dibromo-3-Chloropropane	<27		53	27	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2-Dichlorobenzene	<14		53	14	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2-Dichloroethane	<22		53	22	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2-Dichloropropane	<8.6		53	8.6	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,3,5-Trimethylbenzene	<16		53	16	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,3-Dichlorobenzene	<14		53	14	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,3-Dichloropropane	<9.7		53	9.7	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,4-Dichlorobenzene	<7.5		53	7.5	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
2,2-Dichloropropane	<12		53	12	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
2-Chlorotoluene	<20		53	20	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
4-Chlorotoluene	<11		53	11	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
p-Isopropyltoluene	<18		53	18	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Benzene	**110**		53	10	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Bromobenzene	<12		53	12	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Bromoform	<27		53	27	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Bromomethane	<12		53	12	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Carbon tetrachloride	<14		53	14	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Chlorobenzene	<7.0		53	7.0	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Bromochloromethane	<19		53	19	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Dibromochloromethane	<26		53	26	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Chloroethane	<11		53	11	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Chloroform	<37		53	37	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Chloromethane	<13		53	13	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
cis-1,2-Dichloroethene	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Dibromomethane	<17		53	17	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Bromodichloromethane	<11		53	11	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Dichlorodifluoromethane	<23		53	23	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Ethylbenzene	**390**		53	16	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
1,2-Dibromoethane	<9.3		53	9.3	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Hexachlorobutadiene	<21		53	21	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Isopropyl ether	<28		53	28	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Isopropylbenzene	**55**		53	8.0	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Methyl tert-butyl ether	<20		53	20	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Methylene Chloride	<11		53	11	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
m&p-Xylene	**440**		110	30	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Naphthalene	<18		53	18	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
n-Butylbenzene	<16		53	16	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
N-Propylbenzene	**23**	**J**	53	14	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1

Client Sample ID: P5M1-10

Date Collected: 05/09/23 13:00
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-1

Matrix: Solid
Percent Solids: 86.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**46**	**J**	53	6.9	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
sec-Butylbenzene	<20		53	20	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Tetrachloroethene	<7.2		53	7.2	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Toluene	<14		53	14	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
trans-1,2-Dichloroethene	<13		53	13	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
trans-1,3-Dichloropropene	<5.2		53	5.2	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Trichloroethene	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Trichlorofluoromethane	<25		53	25	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Vinyl chloride	<18		53	18	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Xylenes, Total	**490**		110	30	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
cis-1,3-Dichloropropene	<13		53	13	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
Styrene	<13		53	13	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1
tert-Butylbenzene	<15		53	15	ug/Kg	☼	05/12/23 15:39	05/17/23 14:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*05/12/23 15:39*	*05/17/23 14:13*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*05/12/23 15:39*	*05/17/23 14:13*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/12/23 15:39*	*05/17/23 14:13*	*1*
Dibromofluoromethane (Surr)	*96*		*60 - 140*	*05/12/23 15:39*	*05/17/23 14:13*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<54		280	54	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1221	<54		280	54	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1232	<54		280	54	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1242	<54		280	54	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1248	<54		280	54	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1254	<130		280	130	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1
PCB-1260	<130		280	130	ug/Kg	☼	05/11/23 06:57	05/11/23 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*05/11/23 06:57*	*05/11/23 15:30*	*1*
DCB Decachlorobiphenyl	*103*		*65 - 174*	*05/11/23 06:57*	*05/11/23 15:30*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.69	0.23	mg/Kg	☼	05/11/23 10:23	05/15/23 17:24	1
Arsenic	**9.7**		2.3	0.46	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1
Barium	**45.2**		0.57	0.13	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1
Cadmium	**0.36**		0.23	0.034	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1
Chromium	**10.3**		0.57	0.23	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1
Lead	**8.9**		1.1	0.28	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/11/23 10:23	05/12/23 21:43	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20.3**	**J**	23.7	5.5	ug/Kg	☼	05/12/23 09:47	05/12/23 13:04	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Client Sample ID: P5M2-10
Date Collected: 05/09/23 13:15
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-2
Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1,1-Trichloroethane	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1,2,2-Tetrachloroethane	<8.1		50	8.1	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1,2-Trichloroethane	<10		50	10	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1-Dichloroethane	<15		50	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1-Dichloroethene	<17		50	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,1-Dichloropropene	<12		50	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2,3-Trichloropropane	<11		50	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2,4-Trichlorobenzene	<19		50	19	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2,4-Trimethylbenzene	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2-Dibromo-3-Chloropropane	<25		50	25	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2-Dichlorobenzene	<13		50	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2-Dichloroethane	<20		50	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2-Dichloropropane	<8.1		50	8.1	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,3,5-Trimethylbenzene	<15		50	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,3-Dichlorobenzene	<13		50	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,3-Dichloropropane	<9.1		50	9.1	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,4-Dichlorobenzene	<7.0		50	7.0	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
2,2-Dichloropropane	<11	^c	50	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
2-Chlorotoluene	<19		50	19	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
4-Chlorotoluene	<10		50	10	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
p-Isopropyltoluene	<17		50	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Benzene	<9.5		50	9.5	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Bromobenzene	<11		50	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Bromoform	<25		50	25	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Bromomethane	<11		50	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Carbon tetrachloride	<13		50	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Chlorobenzene	<6.6		50	6.6	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Bromochloromethane	<18		50	18	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Dibromochloromethane	<24		50	24	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Chloroethane	<10		50	10	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Chloroform	<34		50	34	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Chloromethane	<12		50	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
cis-1,2-Dichloroethene	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Dibromomethane	<16		50	16	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Bromodichloromethane	<10		50	10	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Dichlorodifluoromethane	<22		50	22	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Ethylbenzene	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
1,2-Dibromoethane	<8.7		50	8.7	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Hexachlorobutadiene	<20		50	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Isopropyl ether	<26		50	26	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Isopropylbenzene	<7.5		50	7.5	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Methyl tert-butyl ether	<19		50	19	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Methylene Chloride	<9.9		50	9.9	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
m&p-Xylene	<28		100	28	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Naphthalene	<17		50	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
n-Butylbenzene	<15		50	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
N-Propylbenzene	<13		50	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1

Client Sample ID: P5M2-10

Date Collected: 05/09/23 13:15
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-2

Matrix: Solid
Percent Solids: 86.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.5		50	6.5	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
sec-Butylbenzene	<18		50	18	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Tetrachloroethene	<6.7		50	6.7	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Toluene	<13		50	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
trans-1,2-Dichloroethene	<12		50	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
trans-1,3-Dichloropropene	<4.9		50	4.9	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Trichloroethene	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Trichlorofluoromethane	<23		50	23	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Vinyl chloride	<17		50	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Xylenes, Total	<28		100	28	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
cis-1,3-Dichloropropene	<12		50	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
Styrene	<12		50	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1
tert-Butylbenzene	<14		50	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*05/12/23 15:39*	*05/15/23 16:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*	*05/12/23 15:39*	*05/15/23 16:24*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/12/23 15:39*	*05/15/23 16:24*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*05/12/23 15:39*	*05/15/23 16:24*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1221	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1232	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1242	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1248	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1254	<93		200	93	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1
PCB-1260	<93		200	93	ug/Kg	☼	05/11/23 06:57	05/11/23 15:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*111*		*60 - 154*	*05/11/23 06:57*	*05/11/23 15:03*	*1*
DCB Decachlorobiphenyl	*116*		*65 - 174*	*05/11/23 06:57*	*05/11/23 15:03*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.69	0.23	mg/Kg	☼	05/11/23 10:23	05/15/23 17:29	1
Arsenic	**4.3**		2.3	0.46	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1
Barium	**53.3**		0.57	0.13	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1
Cadmium	**0.034**	**J**	0.23	0.034	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1
Chromium	**19.3**		0.57	0.23	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1
Lead	**14.7**		1.1	0.27	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/11/23 10:23	05/12/23 21:47	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.9**	**J**	22.8	5.2	ug/Kg	☼	05/12/23 09:47	05/12/23 13:05	1

Client Sample ID: P5M1-20

Date Collected: 05/09/23 13:30
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-3

Matrix: Solid
Percent Solids: 86.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<17		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1,1-Trichloroethane	<17		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1,2,2-Tetrachloroethane	<9.8		60	9.8	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1,2-Trichloroethane	<13		60	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1-Dichloroethane	<19		60	19	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1-Dichloroethene	<21		60	21	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,1-Dichloropropene	<15		60	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2,3-Trichlorobenzene	<28		60	28	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2,3-Trichloropropane	<13		60	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2,4-Trichlorobenzene	<23		60	23	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2,4-Trimethylbenzene	**150**		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2-Dibromo-3-Chloropropane	<30		60	30	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2-Dichlorobenzene	<15		60	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2-Dichloroethane	<25		60	25	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2-Dichloropropane	<9.7		60	9.7	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,3,5-Trimethylbenzene	**85**		60	18	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,3-Dichlorobenzene	<16		60	16	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,3-Dichloropropane	<11		60	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,4-Dichlorobenzene	<8.4		60	8.4	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
2,2-Dichloropropane	<14	^c	60	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
2-Chlorotoluene	<23		60	23	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
4-Chlorotoluene	<12		60	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
p-Isopropyltoluene	<20		60	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Benzene	<11		60	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Bromobenzene	<13		60	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Bromoform	<30		60	30	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Bromomethane	<13		60	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Carbon tetrachloride	<15		60	15	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Chlorobenzene	<7.9		60	7.9	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Bromochloromethane	<22		60	22	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Dibromochloromethane	<29		60	29	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Chloroethane	<13		60	13	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Chloroform	<41		60	41	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Chloromethane	<14		60	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
cis-1,2-Dichloroethene	<17		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Dibromomethane	<20		60	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Bromodichloromethane	<12		60	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Dichlorodifluoromethane	<26		60	26	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Ethylbenzene	**180**		60	18	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
1,2-Dibromoethane	<11		60	11	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Hexachlorobutadiene	<24		60	24	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Isopropyl ether	<32		60	32	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Isopropylbenzene	<9.0		60	9.0	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Methyl tert-butyl ether	<23		60	23	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Methylene Chloride	<12		60	12	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
m&p-Xylene	**850**		120	33	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Naphthalene	**93**		60	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
n-Butylbenzene	<18		60	18	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
N-Propylbenzene	**30**	**J**	60	16	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1

Client Sample ID: P5M1-20

Date Collected: 05/09/23 13:30
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-3

Matrix: Solid
Percent Solids: 86.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**250**		60	7.8	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
sec-Butylbenzene	<22		60	22	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Tetrachloroethene	<8.1		60	8.1	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Toluene	**28**	**J**	60	16	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
trans-1,2-Dichloroethene	<14		60	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
trans-1,3-Dichloropropene	<5.9		60	5.9	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Trichloroethene	<17		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Trichlorofluoromethane	<28		60	28	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Vinyl chloride	<20		60	20	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Xylenes, Total	**1100**		120	33	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
cis-1,3-Dichloropropene	<14		60	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
Styrene	<14		60	14	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1
tert-Butylbenzene	<17		60	17	ug/Kg	☼	05/12/23 15:39	05/15/23 16:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*05/12/23 15:39*	*05/15/23 16:48*	*1*
4-Bromofluorobenzene (Surr)	*97*		*49 - 148*	*05/12/23 15:39*	*05/15/23 16:48*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/12/23 15:39*	*05/15/23 16:48*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*05/12/23 15:39*	*05/15/23 16:48*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1221	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1232	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1242	**160**	**J**	200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1248	<39		200	39	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1254	<92		200	92	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1
PCB-1260	<92		200	92	ug/Kg	☼	05/11/23 06:57	05/11/23 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*101*		*60 - 154*	*05/11/23 06:57*	*05/11/23 15:43*	*1*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*05/11/23 06:57*	*05/11/23 15:43*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.71	0.24	mg/Kg	☼	05/11/23 10:23	05/15/23 17:33	1
Arsenic	**4.0**		2.4	0.47	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1
Barium	**82.3**		0.59	0.13	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1
Cadmium	**0.18**	**J**	0.24	0.036	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1
Chromium	**20.9**		0.59	0.24	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1
Lead	**340**		1.2	0.28	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/11/23 10:23	05/12/23 21:51	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**50.7**		22.2	5.1	ug/Kg	☼	05/12/23 09:47	05/12/23 13:06	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-208753-1	P5M1-10	94	98	102	96
480-208753-2	P5M2-10	97	101	102	100
480-208753-3	P5M1-20	96	97	102	99
LCS 480-669358/2-A	Lab Control Sample	108	101	102	107
MB 480-669358/1-A	Method Blank	101	102	108	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-208753-1	P5M1-10	101	103
480-208753-2	P5M2-10	111	116
480-208753-2 MS	P5M2-10	127	143
480-208753-2 MSD	P5M2-10	121	137
480-208753-3	P5M1-20	101	106
LCS 480-669013/2-A	Lab Control Sample	134	144
MB 480-669013/1-A	Method Blank	116	130

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-669358/1-A
Matrix: Solid
Analysis Batch: 669492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669358

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Benzene	<19		100	19	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Bromobenzene	<22		100	22	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Bromoform	<50		100	50	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Bromomethane	<22		100	22	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Chlorobenzene	<13		100	13	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Bromochloromethane	<36		100	36	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Dibromochloromethane	<48		100	48	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Chloroethane	<21		100	21	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Chloroform	<69		100	69	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Chloromethane	<24		100	24	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Dibromomethane	<33		100	33	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Bromodichloromethane	<20		100	20	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Ethylbenzene	<29		100	29	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Isopropyl ether	<53		100	53	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Isopropylbenzene	<15		100	15	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Methylene Chloride	<20		100	20	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
m&p-Xylene	<55		200	55	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Naphthalene	<34		100	34	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
n-Butylbenzene	<29		100	29	ug/Kg		05/12/23 15:39	05/15/23 13:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-669358/1-A
Matrix: Solid
Analysis Batch: 669492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669358

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
o-Xylene	<13		100	13	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Tetrachloroethene	<13		100	13	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Toluene	<27		100	27	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Trichloroethene	<28		100	28	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Vinyl chloride	<34		100	34	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Xylenes, Total	<55		200	55	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
Styrene	<24		100	24	ug/Kg		05/12/23 15:39	05/15/23 13:51	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/12/23 15:39	05/15/23 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*05/12/23 15:39*	*05/15/23 13:51*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*05/12/23 15:39*	*05/15/23 13:51*	*1*
Toluene-d8 (Surr)	*108*		*50 - 149*	*05/12/23 15:39*	*05/15/23 13:51*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*05/12/23 15:39*	*05/15/23 13:51*	*1*

Lab Sample ID: LCS 480-669358/2-A
Matrix: Solid
Analysis Batch: 669492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2660		ug/Kg		106	78 - 120
1,1,1-Trichloroethane	2500	2860		ug/Kg		114	68 - 130
1,1,2,2-Tetrachloroethane	2500	2610		ug/Kg		104	73 - 120
1,1,2-Trichloroethane	2500	2650		ug/Kg		106	80 - 120
1,1-Dichloroethane	2500	2810		ug/Kg		113	78 - 121
1,1-Dichloroethene	2500	2570		ug/Kg		103	48 - 133
1,1-Dichloropropene	2500	2870		ug/Kg		115	75 - 121
1,2,3-Trichlorobenzene	2500	2390		ug/Kg		96	57 - 150
1,2,3-Trichloropropane	2500	2720		ug/Kg		109	75 - 120
1,2,4-Trichlorobenzene	2500	2510		ug/Kg		100	70 - 140
1,2,4-Trimethylbenzene	2500	2700		ug/Kg		108	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2290		ug/Kg		92	56 - 122
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2610		ug/Kg		104	74 - 127
1,2-Dichloropropane	2500	2340		ug/Kg		93	80 - 120
1,3,5-Trimethylbenzene	2500	2730		ug/Kg		109	79 - 120
1,3-Dichlorobenzene	2500	2680		ug/Kg		107	80 - 120
1,3-Dichloropropane	2500	2570		ug/Kg		103	80 - 120
1,4-Dichlorobenzene	2500	2670		ug/Kg		107	80 - 120
2,2-Dichloropropane	2500	2930		ug/Kg		117	58 - 142
2-Chlorotoluene	2500	2610		ug/Kg		105	72 - 122
4-Chlorotoluene	2500	2800		ug/Kg		112	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-669358/2-A
Matrix: Solid
Analysis Batch: 669492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669358

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2720		ug/Kg		109	80 - 120
Benzene	2500	2820		ug/Kg		113	77 - 125
Bromobenzene	2500	2850		ug/Kg		114	78 - 120
Bromoform	2500	2370		ug/Kg		95	48 - 125
Bromomethane	2500	2660		ug/Kg		106	39 - 149
Carbon tetrachloride	2500	2780		ug/Kg		111	54 - 135
Chlorobenzene	2500	2720		ug/Kg		109	76 - 126
Bromochloromethane	2500	2560		ug/Kg		103	79 - 120
Dibromochloromethane	2500	2590		ug/Kg		104	64 - 120
Chloroethane	2500	2510		ug/Kg		101	23 - 150
Chloroform	2500	2650		ug/Kg		106	78 - 120
Chloromethane	2500	2750		ug/Kg		110	61 - 124
cis-1,2-Dichloroethene	2500	2650		ug/Kg		106	79 - 124
Dibromomethane	2500	2310		ug/Kg		92	79 - 120
Bromodichloromethane	2500	2240		ug/Kg		89	71 - 121
Dichlorodifluoromethane	2500	2530		ug/Kg		101	10 - 150
Ethylbenzene	2500	2820		ug/Kg		113	78 - 124
1,2-Dibromoethane	2500	2600		ug/Kg		104	80 - 120
Hexachlorobutadiene	2500	2430		ug/Kg		97	61 - 149
Isopropylbenzene	2500	2840		ug/Kg		113	76 - 120
Methyl tert-butyl ether	2500	2600		ug/Kg		104	67 - 137
Methylene Chloride	2500	2620		ug/Kg		105	75 - 118
m&p-Xylene	2500	2720		ug/Kg		109	77 - 125
Naphthalene	2500	2350		ug/Kg		94	65 - 142
n-Butylbenzene	2500	2720		ug/Kg		109	80 - 120
N-Propylbenzene	2500	2830		ug/Kg		113	76 - 120
o-Xylene	2500	2740		ug/Kg		110	80 - 124
sec-Butylbenzene	2500	2750		ug/Kg		110	79 - 120
Tetrachloroethene	2500	2750		ug/Kg		110	73 - 133
Toluene	2500	2770		ug/Kg		111	75 - 124
trans-1,2-Dichloroethene	2500	2870		ug/Kg		115	74 - 129
trans-1,3-Dichloropropene	2500	2600		ug/Kg		104	73 - 120
Trichloroethene	2500	2550		ug/Kg		102	75 - 131
Trichlorofluoromethane	2500	2870		ug/Kg		115	29 - 158
Vinyl chloride	2500	2820		ug/Kg		113	59 - 124
cis-1,3-Dichloropropene	2500	2250		ug/Kg		90	75 - 121
Styrene	2500	2750		ug/Kg		110	80 - 120
tert-Butylbenzene	2500	2730		ug/Kg		109	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*107*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-669013/1-A
Matrix: Solid
Analysis Batch: 669121

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669013

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		210	40	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1221	<40		210	40	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1232	<40		210	40	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1242	<40		210	40	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1248	<40		210	40	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1254	<97		210	97	ug/Kg		05/11/23 06:57	05/11/23 14:10	1
PCB-1260	<97		210	97	ug/Kg		05/11/23 06:57	05/11/23 14:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*116*		*60 - 154*	*05/11/23 06:57*	*05/11/23 14:10*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*05/11/23 06:57*	*05/11/23 14:10*	*1*

Lab Sample ID: LCS 480-669013/2-A
Matrix: Solid
Analysis Batch: 669121

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669013

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2070	3120		ug/Kg		151	51 - 185		
PCB-1260			2070	2860		ug/Kg		139	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*134*		*60 - 154*
DCB Decachlorobiphenyl	*144*		*65 - 174*

Lab Sample ID: 480-208753-2 MS
Matrix: Solid
Analysis Batch: 669121

Client Sample ID: P5M2-10
Prep Type: Total/NA
Prep Batch: 669013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<39		2690	3690		ug/Kg	☼	137	50 - 177		
PCB-1260	<93		2690	3470		ug/Kg	☼	129	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*127*		*60 - 154*
DCB Decachlorobiphenyl	*143*		*65 - 174*

Lab Sample ID: 480-208753-2 MSD
Matrix: Solid
Analysis Batch: 669121

Client Sample ID: P5M2-10
Prep Type: Total/NA
Prep Batch: 669013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<39		2200	2740		ug/Kg	☼	125	50 - 177	30	50
PCB-1260	<93		2200	2570		ug/Kg	☼	117	33 - 200	30	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*121*		*60 - 154*
DCB Decachlorobiphenyl	*137*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-669039/1-A
Matrix: Solid
Analysis Batch: 669436

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669039

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.62	0.21	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Arsenic	<0.41		2.1	0.41	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Barium	<0.11		0.52	0.11	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Cadmium	<0.031		0.21	0.031	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Chromium	<0.21		0.52	0.21	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Lead	<0.25		1.0	0.25	mg/Kg		05/11/23 10:23	05/12/23 20:04	1
Selenium	<0.41		4.1	0.41	mg/Kg		05/11/23 10:23	05/12/23 20:04	1

Lab Sample ID: LCSSRM 480-669039/2-A
Matrix: Solid
Analysis Batch: 669436

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669039

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	72.34		mg/Kg		82.7	63.7 - 115.4
Arsenic	129	107.7		mg/Kg		83.5	60.9 - 113.2
Barium	169	144.9		mg/Kg		85.7	68.6 - 114.2
Cadmium	227	176.4		mg/Kg		77.7	64.8 - 110.1
Chromium	115	96.90		mg/Kg		84.3	62.4 - 115.7
Lead	74.8	84.68		mg/Kg		113.2	67.0 - 128.9
Selenium	246	197.9		mg/Kg		80.5	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-669224/1-A
Matrix: Solid
Analysis Batch: 669333

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669224

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.5		19.6	4.5	ug/Kg		05/12/23 09:47	05/12/23 13:01	1

Lab Sample ID: LCSSRM 480-669224/2-A ^10
Matrix: Solid
Analysis Batch: 669333

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669224

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12940		ug/Kg		62.5	38.3 - 110.1

GC/MS VOA

Prep Batch: 669358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	5035A_H	
480-208753-2	P5M2-10	Total/NA	Solid	5035A_H	
480-208753-3	P5M1-20	Total/NA	Solid	5035A_H	
MB 480-669358/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-669358/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 669492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-2	P5M2-10	Total/NA	Solid	8260C	669358
480-208753-3	P5M1-20	Total/NA	Solid	8260C	669358
MB 480-669358/1-A	Method Blank	Total/NA	Solid	8260C	669358
LCS 480-669358/2-A	Lab Control Sample	Total/NA	Solid	8260C	669358

Analysis Batch: 669775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	8260C	669358

GC Semi VOA

Prep Batch: 669013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	3550C	
480-208753-2	P5M2-10	Total/NA	Solid	3550C	
480-208753-3	P5M1-20	Total/NA	Solid	3550C	
MB 480-669013/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-669013/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-208753-2 MS	P5M2-10	Total/NA	Solid	3550C	
480-208753-2 MSD	P5M2-10	Total/NA	Solid	3550C	

Analysis Batch: 669121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	8082A	669013
480-208753-2	P5M2-10	Total/NA	Solid	8082A	669013
480-208753-3	P5M1-20	Total/NA	Solid	8082A	669013
MB 480-669013/1-A	Method Blank	Total/NA	Solid	8082A	669013
LCS 480-669013/2-A	Lab Control Sample	Total/NA	Solid	8082A	669013
480-208753-2 MS	P5M2-10	Total/NA	Solid	8082A	669013
480-208753-2 MSD	P5M2-10	Total/NA	Solid	8082A	669013

Metals

Prep Batch: 669039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	3050B	
480-208753-2	P5M2-10	Total/NA	Solid	3050B	
480-208753-3	P5M1-20	Total/NA	Solid	3050B	
MB 480-669039/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-669039/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 669224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 669224 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-2	P5M2-10	Total/NA	Solid	7471B	
480-208753-3	P5M1-20	Total/NA	Solid	7471B	
MB 480-669224/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-669224/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 669333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	7471B	669224
480-208753-2	P5M2-10	Total/NA	Solid	7471B	669224
480-208753-3	P5M1-20	Total/NA	Solid	7471B	669224
MB 480-669224/1-A	Method Blank	Total/NA	Solid	7471B	669224
LCSSRM 480-669224/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	669224

Analysis Batch: 669436

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	6010C	669039
480-208753-2	P5M2-10	Total/NA	Solid	6010C	669039
480-208753-3	P5M1-20	Total/NA	Solid	6010C	669039
MB 480-669039/1-A	Method Blank	Total/NA	Solid	6010C	669039
LCSSRM 480-669039/2-A	Lab Control Sample	Total/NA	Solid	6010C	669039

Analysis Batch: 669627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	6010C	669039
480-208753-2	P5M2-10	Total/NA	Solid	6010C	669039
480-208753-3	P5M1-20	Total/NA	Solid	6010C	669039

General Chemistry

Analysis Batch: 668990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208753-1	P5M1-10	Total/NA	Solid	Moisture	
480-208753-2	P5M2-10	Total/NA	Solid	Moisture	
480-208753-3	P5M1-20	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Client Sample ID: P5M1-10
Date Collected: 05/09/23 13:00
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668990	JMM	EET BUF	05/11/23 15:45

Client Sample ID: P5M1-10
Date Collected: 05/09/23 13:00
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-1
Matrix: Solid
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669358	ATG	EET BUF	05/12/23 15:39
Total/NA	Analysis	8260C		1	669775	ATG	EET BUF	05/17/23 14:13
Total/NA	Prep	3550C			669013	SMP	EET BUF	05/11/23 06:57
Total/NA	Analysis	8082A		1	669121	NC	EET BUF	05/11/23 15:30
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669627	LMH	EET BUF	05/15/23 17:24
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669436	LMH	EET BUF	05/12/23 21:43
Total/NA	Prep	7471B			669224	NVK	EET BUF	05/12/23 09:47
Total/NA	Analysis	7471B		1	669333	NVK	EET BUF	05/12/23 13:04

Client Sample ID: P5M2-10
Date Collected: 05/09/23 13:15
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668990	JMM	EET BUF	05/11/23 15:45

Client Sample ID: P5M2-10
Date Collected: 05/09/23 13:15
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-2
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669358	ATG	EET BUF	05/12/23 15:39
Total/NA	Analysis	8260C		1	669492	ATG	EET BUF	05/15/23 16:24
Total/NA	Prep	3550C			669013	SMP	EET BUF	05/11/23 06:57
Total/NA	Analysis	8082A		1	669121	NC	EET BUF	05/11/23 15:03
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669627	LMH	EET BUF	05/15/23 17:29
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669436	LMH	EET BUF	05/12/23 21:47
Total/NA	Prep	7471B			669224	NVK	EET BUF	05/12/23 09:47
Total/NA	Analysis	7471B		1	669333	NVK	EET BUF	05/12/23 13:05

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Client Sample ID: P5M1-20

Date Collected: 05/09/23 13:30
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	668990	JMM	EET BUF	05/11/23 15:45

Client Sample ID: P5M1-20

Date Collected: 05/09/23 13:30
Date Received: 05/10/23 10:00

Lab Sample ID: 480-208753-3

Matrix: Solid
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669358	ATG	EET BUF	05/12/23 15:39
Total/NA	Analysis	8260C		1	669492	ATG	EET BUF	05/15/23 16:48
Total/NA	Prep	3550C			669013	SMP	EET BUF	05/11/23 06:57
Total/NA	Analysis	8082A		1	669121	NC	EET BUF	05/11/23 15:43
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669627	LMH	EET BUF	05/15/23 17:33
Total/NA	Prep	3050B			669039	VAK	EET BUF	05/11/23 10:23
Total/NA	Analysis	6010C		1	669436	LMH	EET BUF	05/12/23 21:51
Total/NA	Prep	7471B			669224	NVK	EET BUF	05/12/23 09:47
Total/NA	Analysis	7471B		1	669333	NVK	EET BUF	05/12/23 13:06

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208753-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-208753-1	P5M1-10	Solid	05/09/23 13:00	05/10/23 10:00
480-208753-2	P5M2-10	Solid	05/09/23 13:15	05/10/23 10:00
480-208753-3	P5M1-20	Solid	05/09/23 13:30	05/10/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-208753-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 5/9/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐CALENDAR DAYS ☑WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐2 weeks ☐1 week ☐2 days ☐1 day			Lab Sampling:
Site: Boundary Road landfill				Job / SDG No.:
P O # 48025931				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocS	Sample Specific Notes:
PSM1-10	5/9	1300	G	S	3	N	N	X		740' PID 18.0
PSM2-10	5/9	1315	G	S	3	N	N	X		743' PID 19.2
PSM1-20	5/9	1330	G	S	3	N	N	X		747' PID 21.7

480-208753 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

1 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☑Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:

4.1 #1

Custody Seals Intact: ☑Yes ☐No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: Colin Gloede	Company: SCS Engineers	Date/Time: 1530 5/9	Received by:	Company: TAB	Date/Time: 5/10/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/19/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-208753-1

Login Number: 208753
List Number: 1
Creator: Stopa, Erik S

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 5/22/2023 2:03:25 PM Revision 1

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-208835-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

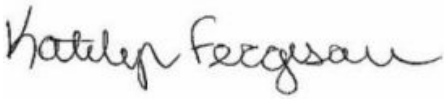
myEOL

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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Revision 1

Authorized for release by
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Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-208835-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-208835-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 5/19/2023. The report (revision 1) is being revised to change the formatter.

Receipt
The samples were received on 5/12/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis: P5M1-12C (480-208835-1), P5M1-13C (480-208835-2) and P5M1-14C (480-208835-3). Elevated reporting limits (RLs) are provided.

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

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

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

Organic Prep
Method 3550C: The following sample: P5M1-13C (480-208835-2) was decanted prior to preparation .

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Client Sample ID: P5M1-12C — Lab Sample ID: 480-208835-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	140		110	31	ug/Kg	1	☼	8260C	Total/NA
m&p-Xylene	600		210	59	ug/Kg	1	☼	8260C	Total/NA
Toluene	37	J	110	28	ug/Kg	1	☼	8260C	Total/NA
Xylenes, Total	600		210	59	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.9		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	28.4		0.63	0.14	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J B	0.25	0.038	mg/Kg	1	☼	6010C	Total/NA
Chromium	8.1		0.63	0.25	mg/Kg	1	☼	6010C	Total/NA
Lead	7.6		1.3	0.30	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.8	J	24.3	5.6	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M1-13C — Lab Sample ID: 480-208835-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.4	J	2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	16.8		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.16	J B	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.8		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	5.0		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M1-14C — Lab Sample ID: 480-208835-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.5		2.2	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	30.3		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.27	B	0.22	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	21.1		0.56	0.22	mg/Kg	1	☼	6010C	Total/NA
Lead	7.2		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	13.2	J	20.4	4.7	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: P5M1-12C
Date Collected: 05/10/23 12:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-1
Matrix: Solid
Percent Solids: 81.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<30		110	30	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1,1-Trichloroethane	<29		110	29	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1,2,2-Tetrachloroethane	<17		110	17	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1,2-Trichloroethane	<22		110	22	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1-Dichloroethane	<33		110	33	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1-Dichloroethene	<37		110	37	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,1-Dichloropropene	<26		110	26	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2,3-Trichlorobenzene	<49		110	49	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2,3-Trichloropropane	<24		110	24	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2,4-Trichlorobenzene	<40		110	40	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2,4-Trimethylbenzene	<30		110	30	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2-Dibromo-3-Chloropropane	<53		110	53	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2-Dichlorobenzene	<27		110	27	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2-Dichloroethane	<43		110	43	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2-Dichloropropane	<17		110	17	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,3,5-Trimethylbenzene	<32		110	32	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,3-Dichlorobenzene	<28		110	28	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,3-Dichloropropane	<19		110	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,4-Dichlorobenzene	<15		110	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
2,2-Dichloropropane	<24		110	24	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
2-Chlorotoluene	<41		110	41	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
4-Chlorotoluene	<21		110	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
p-Isopropyltoluene	<36		110	36	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Benzene	<20		110	20	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Bromobenzene	<23	*	110	23	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Bromoform	<53		110	53	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Bromomethane	<23		110	23	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Carbon tetrachloride	<27		110	27	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Chlorobenzene	<14		110	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Bromochloromethane	<38		110	38	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Dibromochloromethane	<51		110	51	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Chloroethane	<22		110	22	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Chloroform	<73		110	73	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Chloromethane	<25		110	25	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
cis-1,2-Dichloroethene	<29		110	29	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Dibromomethane	<34		110	34	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Bromodichloromethane	<21		110	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Dichlorodifluoromethane	<46		110	46	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Ethylbenzene	**140**		110	31	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
1,2-Dibromoethane	<19		110	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Hexachlorobutadiene	<42		110	42	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Isopropyl ether	<56		110	56	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Isopropylbenzene	<16		110	16	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Methyl tert-butyl ether	<40		110	40	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Methylene Chloride	<21		110	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
m&p-Xylene	**600**		210	59	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Naphthalene	<36		110	36	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
n-Butylbenzene	<31		110	31	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
N-Propylbenzene	<28		110	28	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1

Client Sample ID: P5M1-12C

Date Collected: 05/10/23 12:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-1

Matrix: Solid
Percent Solids: 81.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<14		110	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
sec-Butylbenzene	<39		110	39	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Tetrachloroethene	<14		110	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Toluene	**37**	**J**	110	28	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
trans-1,2-Dichloroethene	<25		110	25	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
trans-1,3-Dichloropropene	<10		110	10	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Trichloroethene	<29		110	29	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Trichlorofluoromethane	<50		110	50	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Vinyl chloride	<35		110	35	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Xylenes, Total	**600**		210	59	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
cis-1,3-Dichloropropene	<25		110	25	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
Styrene	<25		110	25	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1
tert-Butylbenzene	<29		110	29	ug/Kg	☼	05/15/23 13:23	05/17/23 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*05/15/23 13:23*	*05/17/23 15:23*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*05/15/23 13:23*	*05/17/23 15:23*	*1*
Toluene-d8 (Surr)	*106*		*50 - 149*	*05/15/23 13:23*	*05/17/23 15:23*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/15/23 13:23*	*05/17/23 15:23*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<49		250	49	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1221	<49		250	49	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1232	<49		250	49	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1242	<49		250	49	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1248	<49		250	49	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1254	<120		250	120	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1
PCB-1260	<120		250	120	ug/Kg	☼	05/15/23 09:38	05/15/23 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*05/15/23 09:38*	*05/15/23 18:27*	*1*
DCB Decachlorobiphenyl	*95*		*65 - 174*	*05/15/23 09:38*	*05/15/23 18:27*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.25		0.75	0.25	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Arsenic	**2.9**		2.5	0.50	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Barium	**28.4**		0.63	0.14	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Cadmium	**0.12**	**J B**	0.25	0.038	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Chromium	**8.1**		0.63	0.25	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Lead	**7.6**		1.3	0.30	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1
Selenium	<0.50		5.0	0.50	mg/Kg	☼	05/15/23 15:13	05/16/23 19:59	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.8**	**J**	24.3	5.6	ug/Kg	☼	05/15/23 10:46	05/15/23 13:49	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Client Sample ID: P5M1-13C
Date Collected: 05/10/23 16:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-2
Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<16		55	16	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1,1-Trichloroethane	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1,2,2-Tetrachloroethane	<9.0		55	9.0	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1,2-Trichloroethane	<12		55	12	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1-Dichloroethane	<17		55	17	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1-Dichloroethene	<19		55	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,1-Dichloropropene	<14		55	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2,3-Trichlorobenzene	<25		55	25	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2,3-Trichloropropane	<12		55	12	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2,4-Trichlorobenzene	<21		55	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2,4-Trimethylbenzene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2-Dibromo-3-Chloropropane	<28		55	28	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2-Dichlorobenzene	<14		55	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2-Dichloroethane	<23		55	23	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2-Dichloropropane	<9.0		55	9.0	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,3,5-Trimethylbenzene	<17		55	17	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,3-Dichlorobenzene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,3-Dichloropropane	<10		55	10	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,4-Dichlorobenzene	<7.7		55	7.7	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
2,2-Dichloropropane	<13		55	13	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
2-Chlorotoluene	<21		55	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
4-Chlorotoluene	<11		55	11	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
p-Isopropyltoluene	<19		55	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Benzene	<11		55	11	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Bromobenzene	<12	*	55	12	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Bromoform	<28		55	28	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Bromomethane	<12		55	12	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Carbon tetrachloride	<14		55	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Chlorobenzene	<7.3		55	7.3	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Bromochloromethane	<20		55	20	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Dibromochloromethane	<27		55	27	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Chloroethane	<12		55	12	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Chloroform	<38		55	38	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Chloromethane	<13		55	13	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
cis-1,2-Dichloroethene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Dibromomethane	<18		55	18	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Bromodichloromethane	<11		55	11	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Dichlorodifluoromethane	<24		55	24	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Ethylbenzene	<16		55	16	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
1,2-Dibromoethane	<9.7		55	9.7	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Hexachlorobutadiene	<22		55	22	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Isopropyl ether	<29		55	29	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Isopropylbenzene	<8.3		55	8.3	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Methyl tert-butyl ether	<21		55	21	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Methylene Chloride	<11		55	11	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
m&p-Xylene	<31		110	31	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Naphthalene	<19		55	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
n-Butylbenzene	<16		55	16	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
N-Propylbenzene	<14		55	14	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1

Client Sample ID: P5M1-13C

Date Collected: 05/10/23 16:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-2

Matrix: Solid
Percent Solids: 82.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.2		55	7.2	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
sec-Butylbenzene	<20		55	20	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Tetrachloroethene	<7.4		55	7.4	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Toluene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
trans-1,2-Dichloroethene	<13		55	13	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
trans-1,3-Dichloropropene	<5.4		55	5.4	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Trichloroethene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Trichlorofluoromethane	<26		55	26	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Vinyl chloride	<19		55	19	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Xylenes, Total	<31		110	31	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
cis-1,3-Dichloropropene	<13		55	13	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
Styrene	<13		55	13	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1
tert-Butylbenzene	<15		55	15	ug/Kg	☼	05/15/23 13:23	05/17/23 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*	*05/15/23 13:23*	*05/17/23 15:46*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*05/15/23 13:23*	*05/17/23 15:46*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/15/23 13:23*	*05/17/23 15:46*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*05/15/23 13:23*	*05/17/23 15:46*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1221	<43		220	43	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1232	<43		220	43	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1242	<43		220	43	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1248	<43		220	43	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1254	<100		220	100	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1
PCB-1260	<100		220	100	ug/Kg	☼	05/15/23 09:38	05/15/23 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*60 - 154*	*05/15/23 09:38*	*05/15/23 18:40*	*1*
DCB Decachlorobiphenyl	*83*		*65 - 174*	*05/15/23 09:38*	*05/15/23 18:40*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Arsenic	**1.4**	**J**	2.4	0.48	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Barium	**16.8**		0.60	0.13	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Cadmium	**0.16**	**J B**	0.24	0.036	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Chromium	**5.8**		0.60	0.24	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Lead	**5.0**		1.2	0.29	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	05/15/23 15:13	05/16/23 20:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.1		22.0	5.1	ug/Kg	☼	05/15/23 10:46	05/15/23 13:50	1

Client Sample ID: P5M1-14C
Date Collected: 05/10/23 16:30
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-3
Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1,1-Trichloroethane	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1,2,2-Tetrachloroethane	<8.7		53	8.7	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1,2-Trichloroethane	<11		53	11	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1-Dichloroethane	<16		53	16	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1-Dichloroethene	<18		53	18	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,1-Dichloropropene	<13		53	13	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2,3-Trichlorobenzene	<25		53	25	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2,3-Trichloropropane	<12		53	12	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2,4-Trichlorobenzene	<20		53	20	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2,4-Trimethylbenzene	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2-Dibromo-3-Chloropropane	<27		53	27	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2-Dichlorobenzene	<14		53	14	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2-Dichloroethane	<22		53	22	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2-Dichloropropane	<8.6		53	8.6	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,3,5-Trimethylbenzene	<16		53	16	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,3-Dichlorobenzene	<14		53	14	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,3-Dichloropropane	<9.7		53	9.7	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,4-Dichlorobenzene	<7.5		53	7.5	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
2,2-Dichloropropane	<12		53	12	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
2-Chlorotoluene	<20		53	20	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
4-Chlorotoluene	<11		53	11	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
p-Isopropyltoluene	<18		53	18	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Benzene	<10		53	10	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Bromobenzene	<12	*	53	12	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Bromoform	<27		53	27	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Bromomethane	<12		53	12	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Carbon tetrachloride	<14		53	14	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Chlorobenzene	<7.0		53	7.0	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Bromochloromethane	<19		53	19	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Dibromochloromethane	<26		53	26	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Chloroethane	<11		53	11	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Chloroform	<37		53	37	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Chloromethane	<13		53	13	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
cis-1,2-Dichloroethene	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Dibromomethane	<17		53	17	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Bromodichloromethane	<11		53	11	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Dichlorodifluoromethane	<23		53	23	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Ethylbenzene	<16		53	16	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
1,2-Dibromoethane	<9.3		53	9.3	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Hexachlorobutadiene	<21		53	21	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Isopropyl ether	<28		53	28	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Isopropylbenzene	<8.0		53	8.0	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Methyl tert-butyl ether	<20		53	20	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Methylene Chloride	<11		53	11	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
m&p-Xylene	<30		110	30	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Naphthalene	<18		53	18	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
n-Butylbenzene	<16		53	16	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
N-Propylbenzene	<14		53	14	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1

Client Sample ID: P5M1-14C

Date Collected: 05/10/23 16:30
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-3

Matrix: Solid
Percent Solids: 92.7

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<6.9		53	6.9	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
sec-Butylbenzene	<20		53	20	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Tetrachloroethene	<7.2		53	7.2	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Toluene	<14		53	14	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
trans-1,2-Dichloroethene	<13		53	13	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
trans-1,3-Dichloropropene	<5.2		53	5.2	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Trichloroethene	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Trichlorofluoromethane	<25		53	25	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Vinyl chloride	<18		53	18	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Xylenes, Total	<30		110	30	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
cis-1,3-Dichloropropene	<13		53	13	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
Styrene	<13		53	13	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1
tert-Butylbenzene	<15		53	15	ug/Kg	☼	05/15/23 13:23	05/17/23 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*05/15/23 13:23*	*05/17/23 16:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*05/15/23 13:23*	*05/17/23 16:09*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/15/23 13:23*	*05/17/23 16:09*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/15/23 13:23*	*05/17/23 16:09*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1221	<45		230	45	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1232	<45		230	45	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1242	<45		230	45	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1248	<45		230	45	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1254	<110		230	110	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1
PCB-1260	<110		230	110	ug/Kg	☼	05/15/23 09:38	05/15/23 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*60 - 154*	*05/15/23 09:38*	*05/15/23 18:54*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*05/15/23 09:38*	*05/15/23 18:54*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.22		0.67	0.22	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Arsenic	**2.5**		2.2	0.45	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Barium	**30.3**		0.56	0.12	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Cadmium	**0.27**	**B**	0.22	0.034	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Chromium	**21.1**		0.56	0.22	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Lead	**7.2**		1.1	0.27	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1
Selenium	<0.45		4.5	0.45	mg/Kg	☼	05/15/23 15:13	05/16/23 20:07	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13.2**	**J**	20.4	4.7	ug/Kg	☼	05/15/23 10:46	05/15/23 13:51	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-208835-1	P5M1-12C	99	96	106	95
480-208835-2	P5M1-13C	96	95	102	94
480-208835-3	P5M1-14C	99	100	101	95
LCS 480-669539/2-A	Lab Control Sample	97	98	102	95
MB 480-669539/1-A	Method Blank	94	104	100	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-208835-1	P5M1-12C	96	95
480-208835-2	P5M1-13C	89	83
480-208835-3	P5M1-14C	96	97
LCS 480-669499/2-A	Lab Control Sample	135	140
MB 480-669499/1-A	Method Blank	123	127

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-669539/1-A
Matrix: Solid
Analysis Batch: 669676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669539

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Benzene	<19		100	19	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Bromobenzene	<22		100	22	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Bromoform	<50		100	50	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Bromomethane	<22		100	22	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Chlorobenzene	<13		100	13	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Bromochloromethane	<36		100	36	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Dibromochloromethane	<48		100	48	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Chloroethane	<21		100	21	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Chloroform	<69		100	69	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Chloromethane	<24		100	24	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Dibromomethane	<33		100	33	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Bromodichloromethane	<20		100	20	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Ethylbenzene	<29		100	29	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Isopropyl ether	<53		100	53	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Isopropylbenzene	<15		100	15	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Methylene Chloride	<20		100	20	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
m&p-Xylene	<55		200	55	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Naphthalene	<34		100	34	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
n-Butylbenzene	<29		100	29	ug/Kg		05/15/23 13:23	05/16/23 17:58	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-669539/1-A
Matrix: Solid
Analysis Batch: 669676

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669539

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
o-Xylene	<13		100	13	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Tetrachloroethene	<13		100	13	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Toluene	<27		100	27	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Trichloroethene	<28		100	28	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Vinyl chloride	<34		100	34	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Xylenes, Total	<55		200	55	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
Styrene	<24		100	24	ug/Kg		05/15/23 13:23	05/16/23 17:58	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/15/23 13:23	05/16/23 17:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*53 - 146*	*05/15/23 13:23*	*05/16/23 17:58*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*05/15/23 13:23*	*05/16/23 17:58*	*1*
Toluene-d8 (Surr)	*100*		*50 - 149*	*05/15/23 13:23*	*05/16/23 17:58*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*05/15/23 13:23*	*05/16/23 17:58*	*1*

Lab Sample ID: LCS 480-669539/2-A
Matrix: Solid
Analysis Batch: 669676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2520		ug/Kg		101	78 - 120
1,1,1-Trichloroethane	2500	2450		ug/Kg		98	68 - 130
1,1,2,2-Tetrachloroethane	2500	2710		ug/Kg		108	73 - 120
1,1,2-Trichloroethane	2500	2620		ug/Kg		105	80 - 120
1,1-Dichloroethane	2500	2460		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2390		ug/Kg		95	48 - 133
1,1-Dichloropropene	2500	2650		ug/Kg		106	75 - 121
1,2,3-Trichlorobenzene	2500	2520		ug/Kg		101	57 - 150
1,2,3-Trichloropropane	2500	2790		ug/Kg		111	75 - 120
1,2,4-Trichlorobenzene	2500	2530		ug/Kg		101	70 - 140
1,2,4-Trimethylbenzene	2500	2680		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2360		ug/Kg		94	56 - 122
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2300		ug/Kg		92	74 - 127
1,2-Dichloropropane	2500	2370		ug/Kg		95	80 - 120
1,3,5-Trimethylbenzene	2500	2880		ug/Kg		115	79 - 120
1,3-Dichlorobenzene	2500	2690		ug/Kg		108	80 - 120
1,3-Dichloropropane	2500	2580		ug/Kg		103	80 - 120
1,4-Dichlorobenzene	2500	2660		ug/Kg		106	80 - 120
2,2-Dichloropropane	2500	2680		ug/Kg		107	58 - 142
2-Chlorotoluene	2500	2790		ug/Kg		112	72 - 122
4-Chlorotoluene	2500	2820		ug/Kg		113	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-669539/2-A
Matrix: Solid
Analysis Batch: 669676

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2720		ug/Kg		109	80 - 120
Benzene	2500	2460		ug/Kg		98	77 - 125
Bromobenzene	2500	2930		ug/Kg		117	78 - 120
Bromoform	2500	2300		ug/Kg		92	48 - 125
Bromomethane	2500	2380		ug/Kg		95	39 - 149
Carbon tetrachloride	2500	2400		ug/Kg		96	54 - 135
Chlorobenzene	2500	2560		ug/Kg		102	76 - 126
Bromochloromethane	2500	2280		ug/Kg		91	79 - 120
Dibromochloromethane	2500	2390		ug/Kg		96	64 - 120
Chloroethane	2500	2250		ug/Kg		90	23 - 150
Chloroform	2500	2390		ug/Kg		96	78 - 120
Chloromethane	2500	2430		ug/Kg		97	61 - 124
cis-1,2-Dichloroethene	2500	2470		ug/Kg		99	79 - 124
Dibromomethane	2500	2400		ug/Kg		96	79 - 120
Bromodichloromethane	2500	2280		ug/Kg		91	71 - 121
Dichlorodifluoromethane	2500	2100		ug/Kg		84	10 - 150
Ethylbenzene	2500	2650		ug/Kg		106	78 - 124
1,2-Dibromoethane	2500	2540		ug/Kg		102	80 - 120
Hexachlorobutadiene	2500	2420		ug/Kg		97	61 - 149
Isopropylbenzene	2500	2930		ug/Kg		117	76 - 120
Methyl tert-butyl ether	2500	2340		ug/Kg		94	67 - 137
Methylene Chloride	2500	2380		ug/Kg		95	75 - 118
m&p-Xylene	2500	2670		ug/Kg		107	77 - 125
Naphthalene	2500	2540		ug/Kg		102	65 - 142
n-Butylbenzene	2500	2730		ug/Kg		109	80 - 120
N-Propylbenzene	2500	2930		ug/Kg		117	76 - 120
o-Xylene	2500	2620		ug/Kg		105	80 - 124
sec-Butylbenzene	2500	2740		ug/Kg		110	79 - 120
Tetrachloroethene	2500	2650		ug/Kg		106	73 - 133
Toluene	2500	2610		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2440		ug/Kg		98	74 - 129
trans-1,3-Dichloropropene	2500	2510		ug/Kg		100	73 - 120
Trichloroethene	2500	2440		ug/Kg		97	75 - 131
Trichlorofluoromethane	2500	2490		ug/Kg		99	29 - 158
Vinyl chloride	2500	2500		ug/Kg		100	59 - 124
cis-1,3-Dichloropropene	2500	2340		ug/Kg		94	75 - 121
Styrene	2500	2550		ug/Kg		102	80 - 120
tert-Butylbenzene	2500	2720		ug/Kg		109	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*
Toluene-d8 (Surr)	*102*		*50 - 149*
Dibromofluoromethane (Surr)	*95*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-669499/1-A
Matrix: Solid
Analysis Batch: 669493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669499

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1221	<43		220	43	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1232	<43		220	43	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1242	82.4	J	220	43	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1248	<43		220	43	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1254	<100		220	100	ug/Kg		05/15/23 09:38	05/15/23 15:46	1
PCB-1260	<100		220	100	ug/Kg		05/15/23 09:38	05/15/23 15:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*123*		*60 - 154*	*05/15/23 09:38*	*05/15/23 15:46*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*05/15/23 09:38*	*05/15/23 15:46*	*1*

Lab Sample ID: LCS 480-669499/2-A
Matrix: Solid
Analysis Batch: 669493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669499

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2370	3640		ug/Kg		154	51 - 185		
PCB-1260			2370	3360		ug/Kg		142	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*135*		*60 - 154*
DCB Decachlorobiphenyl	*140*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-669551/1-A
Matrix: Solid
Analysis Batch: 669793

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669551

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Arsenic	<0.40		2.0	0.40	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Barium	<0.11		0.50	0.11	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Cadmium	0.0392	J	0.20	0.030	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Chromium	<0.20		0.50	0.20	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Lead	<0.24		1.0	0.24	mg/Kg		05/15/23 15:13	05/16/23 18:07	1
Selenium	<0.40		4.0	0.40	mg/Kg		05/15/23 15:13	05/16/23 18:07	1

Lab Sample ID: LCDSRM 480-669551/3-A
Matrix: Solid
Analysis Batch: 669793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669551

Analyte			Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Silver			87.5	61.77		mg/Kg		70.6	63.7 - 115.4	2	20
Arsenic			129	95.80		mg/Kg		74.3	60.9 - 113.2	2	20

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-669551/3-A
Matrix: Solid
Analysis Batch: 669793

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669551

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Barium	169	134.1		mg/Kg		79.4	68.6 - 114.2	2	20
Cadmium	227	166.2		mg/Kg		73.2	64.8 - 110.1	2	20
Chromium	115	84.61		mg/Kg		73.6	62.4 - 115.7	1	20
Lead	74.8	75.22		mg/Kg		100.6	67.0 - 128.9	6	20
Selenium	246	178.3		mg/Kg		72.5	60.2 - 114.6	1	20

Lab Sample ID: LCSSRM 480-669551/2-A
Matrix: Solid
Analysis Batch: 669793

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669551

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	60.30		mg/Kg		68.9	63.7 - 115.4
Arsenic	129	93.76		mg/Kg		72.7	60.9 - 113.2
Barium	169	131.5		mg/Kg		77.8	68.6 - 114.2
Cadmium	227	169.3		mg/Kg		74.6	64.8 - 110.1
Chromium	115	85.83		mg/Kg		74.6	62.4 - 115.7
Lead	74.8	71.19		mg/Kg		95.2	67.0 - 128.9
Selenium	246	179.7		mg/Kg		73.0	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-669496/1-A
Matrix: Solid
Analysis Batch: 669552

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669496

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.6		19.9	4.6	ug/Kg		05/15/23 10:46	05/15/23 13:27	1

Lab Sample ID: LCDSRM 480-669496/3-A ^10
Matrix: Solid
Analysis Batch: 669552

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 669496

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	20700	12900		ug/Kg		62.3	38.3 - 110.1	14	20

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-669496/2-A ^10
Matrix: Solid
Analysis Batch: 669552

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 669496

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	14830		ug/Kg		71.6	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

GC/MS VOA

Prep Batch: 669539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	5035A_H	
480-208835-2	P5M1-13C	Total/NA	Solid	5035A_H	
480-208835-3	P5M1-14C	Total/NA	Solid	5035A_H	
MB 480-669539/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-669539/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 669676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-669539/1-A	Method Blank	Total/NA	Solid	8260C	669539
LCS 480-669539/2-A	Lab Control Sample	Total/NA	Solid	8260C	669539

Analysis Batch: 669775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	8260C	669539
480-208835-2	P5M1-13C	Total/NA	Solid	8260C	669539
480-208835-3	P5M1-14C	Total/NA	Solid	8260C	669539

GC Semi VOA

Analysis Batch: 669493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	8082A	669499
480-208835-2	P5M1-13C	Total/NA	Solid	8082A	669499
480-208835-3	P5M1-14C	Total/NA	Solid	8082A	669499
MB 480-669499/1-A	Method Blank	Total/NA	Solid	8082A	669499
LCS 480-669499/2-A	Lab Control Sample	Total/NA	Solid	8082A	669499

Prep Batch: 669499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	3550C	
480-208835-2	P5M1-13C	Total/NA	Solid	3550C	
480-208835-3	P5M1-14C	Total/NA	Solid	3550C	
MB 480-669499/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-669499/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Metals

Prep Batch: 669496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	7471B	
480-208835-2	P5M1-13C	Total/NA	Solid	7471B	
480-208835-3	P5M1-14C	Total/NA	Solid	7471B	
MB 480-669496/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-669496/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-669496/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 669551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	3050B	
480-208835-2	P5M1-13C	Total/NA	Solid	3050B	
480-208835-3	P5M1-14C	Total/NA	Solid	3050B	
MB 480-669551/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 669551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCDSRM 480-669551/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-669551/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 669552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	7471B	669496
480-208835-2	P5M1-13C	Total/NA	Solid	7471B	669496
480-208835-3	P5M1-14C	Total/NA	Solid	7471B	669496
MB 480-669496/1-A	Method Blank	Total/NA	Solid	7471B	669496
LCDSRM 480-669496/3-A ^1	Lab Control Sample Dup	Total/NA	Solid	7471B	669496
LCSSRM 480-669496/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	669496

Analysis Batch: 669793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	6010C	669551
480-208835-2	P5M1-13C	Total/NA	Solid	6010C	669551
480-208835-3	P5M1-14C	Total/NA	Solid	6010C	669551
MB 480-669551/1-A	Method Blank	Total/NA	Solid	6010C	669551
LCDSRM 480-669551/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	669551
LCSSRM 480-669551/2-A	Lab Control Sample	Total/NA	Solid	6010C	669551

General Chemistry

Analysis Batch: 669381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-208835-1	P5M1-12C	Total/NA	Solid	Moisture	
480-208835-2	P5M1-13C	Total/NA	Solid	Moisture	
480-208835-3	P5M1-14C	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Client Sample ID: P5M1-12C
Date Collected: 05/10/23 12:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	669381	KER	EET BUF	05/12/23 17:23

Client Sample ID: P5M1-12C
Date Collected: 05/10/23 12:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-1
Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669539	ATG	EET BUF	05/15/23 13:23
Total/NA	Analysis	8260C		1	669775	ATG	EET BUF	05/17/23 15:23
Total/NA	Prep	3550C			669499	VXF	EET BUF	05/15/23 09:38
Total/NA	Analysis	8082A		1	669493	NC	EET BUF	05/15/23 18:27
Total/NA	Prep	3050B			669551	NVK	EET BUF	05/15/23 15:13
Total/NA	Analysis	6010C		1	669793	LMH	EET BUF	05/16/23 19:59
Total/NA	Prep	7471B			669496	NVK	EET BUF	05/15/23 10:46
Total/NA	Analysis	7471B		1	669552	NVK	EET BUF	05/15/23 13:49

Client Sample ID: P5M1-13C
Date Collected: 05/10/23 16:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	669381	KER	EET BUF	05/12/23 17:23

Client Sample ID: P5M1-13C
Date Collected: 05/10/23 16:00
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-2
Matrix: Solid
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669539	ATG	EET BUF	05/15/23 13:23
Total/NA	Analysis	8260C		1	669775	ATG	EET BUF	05/17/23 15:46
Total/NA	Prep	3550C			669499	VXF	EET BUF	05/15/23 09:38
Total/NA	Analysis	8082A		1	669493	NC	EET BUF	05/15/23 18:40
Total/NA	Prep	3050B			669551	NVK	EET BUF	05/15/23 15:13
Total/NA	Analysis	6010C		1	669793	LMH	EET BUF	05/16/23 20:03
Total/NA	Prep	7471B			669496	NVK	EET BUF	05/15/23 10:46
Total/NA	Analysis	7471B		1	669552	NVK	EET BUF	05/15/23 13:50

Client Sample ID: P5M1-14C
Date Collected: 05/10/23 16:30
Date Received: 05/12/23 10:00

Lab Sample ID: 480-208835-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	669381	KER	EET BUF	05/12/23 17:23

Lab Chronicle

Client: Waste Management
Job ID: 480-208835-1
Project/Site: Orchard Ridge-Boundary Road

Client Sample ID: P5M1-14C
Lab Sample ID: 480-208835-3
Date Collected: 05/10/23 16:30
Matrix: Solid
Date Received: 05/12/23 10:00
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			669539	ATG	EET BUF	05/15/23 13:23
Total/NA	Analysis	8260C		1	669775	ATG	EET BUF	05/17/23 16:09
Total/NA	Prep	3550C			669499	VXF	EET BUF	05/15/23 09:38
Total/NA	Analysis	8082A		1	669493	NC	EET BUF	05/15/23 18:54
Total/NA	Prep	3050B			669551	NVK	EET BUF	05/15/23 15:13
Total/NA	Analysis	6010C		1	669793	LMH	EET BUF	05/16/23 20:07
Total/NA	Prep	7471B			669496	NVK	EET BUF	05/15/23 10:46
Total/NA	Analysis	7471B		1	669552	NVK	EET BUF	05/15/23 13:51

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-208835-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-208835-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-208835-1	P5M1-12C	Solid	05/10/23 12:00	05/12/23 10:00
480-208835-2	P5M1-13C	Solid	05/10/23 16:00	05/12/23 10:00
480-208835-3	P5M1-14C	Solid	05/10/23 16:30	05/12/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-208835-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 5/11/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐CALENDAR DAYS ☑WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐1 week			Job / SDG No.:
P O # 48025931	☐2 days ☐1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
PSMI-12C	5/10	1200	G	S	3	N	N	X	X	Gray clay FID 0.7
PSMI-13C	5/10	1600	G	S	3	N	N	X	X	Brown Silty Sand PID 0.0
PSMI-14C	5/10	1630	G	S	3	N	N	X	X	PID 0.0

480-208835 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other — 1 | 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☑Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐Return to Client ☑Disposal by Lab ☐Archive for ____ Months

Special Instructions/QC Requirements & Comments:

#1 2:6

Custody Seals Intact: ☐Yes ☐No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: Colin Gloede	Company: SCS Engineers	Date/Time: 5/11 1500	Received by:	Company: TAB	Date/Time: 5/12/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-208835-1

Login Number: 208835
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 5-12-23 12:15
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

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JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-209076-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

GC Semi VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-209076-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209076-1

Comments
No additional comments.

Receipt
The samples were received on 5/22/2023 11:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 7.2º C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria due to FedEx shipping delays: P5M1-3A (480-209076-1) and P5M2-3A (480-209076-2). This does not meet regulatory requirements.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-670480 recovered above the upper control limit for 2,2-Dichloropropane and Isopropylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5M1-3A (480-209076-1) and P5M2-3A (480-209076-2).

Method 8260C: The following volatiles sample was analyzed using medium level soil analysis and diluted due to foaming at the time of purging during the original sample analysis: P5M2-3A (480-209076-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis: P5M1-3A (480-209076-1)

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

GC Semi VOA
Method 8082A: The following samples are associated with a continuing calibration verification (CCV 480-670457/53) that had recoveries for the surrogate Decachlorobiphenyl that were below acceptance limits: P5M1-3A (480-209076-1) and P5M2-3A (480-209076-2). The secondary surrogate Tetrachloro-m-xylene is within limits. Therefore, the data has been reported.

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Client Sample ID: P5M1-3A — Lab Sample ID: 480-209076-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	18	J B	58	11	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.5		2.3	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	61.4		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.093	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	14.0		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	10		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	10.8	J	25.1	5.8	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-3A — Lab Sample ID: 480-209076-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	120		97	27	ug/Kg	2	☼	8260C	Total/NA
Ethylbenzene	89	J	97	28	ug/Kg	2	☼	8260C	Total/NA
Isopropylbenzene	34	J ^c	97	15	ug/Kg	2	☼	8260C	Total/NA
m&p-Xylene	370		190	54	ug/Kg	2	☼	8260C	Total/NA
Naphthalene	68	J	97	33	ug/Kg	2	☼	8260C	Total/NA
n-Butylbenzene	37	J	97	28	ug/Kg	2	☼	8260C	Total/NA
o-Xylene	83	J	97	13	ug/Kg	2	☼	8260C	Total/NA
Xylenes, Total	450		190	54	ug/Kg	2	☼	8260C	Total/NA
PCB-1242	110	J	260	52	ug/Kg	1	☼	8082A	Total/NA
Arsenic	0.64	J	2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	14.3		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.12	J	0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.3		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	7.1		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	12.2	J	20.6	4.7	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Client Sample ID: P5M1-3A
Date Collected: 05/18/23 14:30
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-1
Matrix: Solid
Percent Solids: 83.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<17		58	17	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1,1-Trichloroethane	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1,2,2-Tetrachloroethane	<9.4		58	9.4	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1,2-Trichloroethane	<12		58	12	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1-Dichloroethane	<18		58	18	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1-Dichloroethene	<20		58	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,1-Dichloropropene	<14		58	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2,3-Trichlorobenzene	<27		58	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2,3-Trichloropropane	<13		58	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2,4-Trichlorobenzene	<22		58	22	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2,4-Trimethylbenzene	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2-Dibromo-3-Chloropropane	<29		58	29	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2-Dichlorobenzene	<15		58	15	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2-Dichloroethane	<24		58	24	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2-Dichloropropane	<9.4		58	9.4	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,3,5-Trimethylbenzene	<18		58	18	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,3-Dichlorobenzene	<15		58	15	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,3-Dichloropropane	<11		58	11	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,4-Dichlorobenzene	<8.1		58	8.1	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
2,2-Dichloropropane	<13	^c	58	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
2-Chlorotoluene	<22		58	22	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
4-Chlorotoluene	<12		58	12	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
p-Isopropyltoluene	<20		58	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Benzene	<11		58	11	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Bromobenzene	<13		58	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Bromoform	<29		58	29	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Bromomethane	<13		58	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Carbon tetrachloride	<15		58	15	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Chlorobenzene	<7.7		58	7.7	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Bromochloromethane	<21		58	21	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Dibromochloromethane	<28		58	28	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Chloroethane	<12		58	12	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Chloroform	<40		58	40	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Chloromethane	<14		58	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
cis-1,2-Dichloroethene	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Dibromomethane	<19		58	19	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Bromodichloromethane	<12		58	12	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Dichlorodifluoromethane	<25		58	25	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Ethylbenzene	<17		58	17	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
1,2-Dibromoethane	<10		58	10	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Hexachlorobutadiene	<23		58	23	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Isopropyl ether	<31		58	31	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Isopropylbenzene	<8.7	^c	58	8.7	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Methyl tert-butyl ether	<22		58	22	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Methylene Chloride	**18**	**J B**	58	11	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
m&p-Xylene	<32		120	32	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Naphthalene	<20		58	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
n-Butylbenzene	<17		58	17	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
N-Propylbenzene	<15		58	15	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1

Client Sample ID: P5M1-3A
Date Collected: 05/18/23 14:30
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-1
Matrix: Solid
Percent Solids: 83.5

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.5		58	7.5	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
sec-Butylbenzene	<21		58	21	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Tetrachloroethene	<7.8		58	7.8	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Toluene	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
trans-1,2-Dichloroethene	<14		58	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
trans-1,3-Dichloropropene	<5.7		58	5.7	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Trichloroethene	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Trichlorofluoromethane	<27		58	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Vinyl chloride	<19		58	19	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Xylenes, Total	<32		120	32	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
cis-1,3-Dichloropropene	<14		58	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
Styrene	<14		58	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1
tert-Butylbenzene	<16		58	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*05/23/23 10:35*	*05/23/23 15:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*05/23/23 10:35*	*05/23/23 15:17*	*1*
Toluene-d8 (Surr)	*108*		*50 - 149*	*05/23/23 10:35*	*05/23/23 15:17*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*05/23/23 10:35*	*05/23/23 15:17*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<54		280	54	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1221	<54		280	54	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1232	<54		280	54	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1242	<54		280	54	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1248	<54		280	54	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1254	<130		280	130	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1
PCB-1260	<130		280	130	ug/Kg	☼	05/23/23 08:40	05/23/23 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*60 - 154*	*05/23/23 08:40*	*05/23/23 21:45*	*1*
DCB Decachlorobiphenyl	*81*	*^c*	*65 - 174*	*05/23/23 08:40*	*05/23/23 21:45*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.70	0.23	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1
Arsenic	**2.5**		2.3	0.47	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1
Barium	**61.4**		0.58	0.13	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1
Cadmium	**0.093**	**J**	0.23	0.035	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1
Chromium	**14.0**		0.58	0.23	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1
Lead	**10**		1.2	0.28	mg/Kg	☼	05/23/23 09:28	05/26/23 13:56	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/23/23 09:28	05/24/23 19:30	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**10.8**	**J**	25.1	5.8	ug/Kg	☼	05/24/23 09:50	05/24/23 13:06	1

Client Sample ID: P5M2-3A

Date Collected: 05/18/23 14:00
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-2

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<28		97	28	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1,1-Trichloroethane	<27		97	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1,2,2-Tetrachloroethane	<16		97	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1,2-Trichloroethane	<20		97	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1-Dichloroethane	<30		97	30	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1-Dichloroethene	<34		97	34	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,1-Dichloropropene	<24		97	24	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2,3-Trichlorobenzene	<45		97	45	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2,3-Trichloropropane	<22		97	22	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2,4-Trichlorobenzene	<37		97	37	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2,4-Trimethylbenzene	**120**		97	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2-Dibromo-3-Chloropropane	<48		97	48	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2-Dichlorobenzene	<25		97	25	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2-Dichloroethane	<40		97	40	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2-Dichloropropane	<16		97	16	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,3,5-Trimethylbenzene	<29		97	29	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,3-Dichlorobenzene	<26		97	26	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,3-Dichloropropane	<18		97	18	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,4-Dichlorobenzene	<14		97	14	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
2,2-Dichloropropane	<22	^c	97	22	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
2-Chlorotoluene	<37		97	37	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
4-Chlorotoluene	<20		97	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
p-Isopropyltoluene	<33		97	33	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Benzene	<18		97	18	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Bromobenzene	<21		97	21	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Bromoform	<48		97	48	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Bromomethane	<21		97	21	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Carbon tetrachloride	<25		97	25	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Chlorobenzene	<13		97	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Bromochloromethane	<35		97	35	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Dibromochloromethane	<47		97	47	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Chloroethane	<20		97	20	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Chloroform	<67		97	67	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Chloromethane	<23		97	23	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
cis-1,2-Dichloroethene	<27		97	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Dibromomethane	<32		97	32	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Bromodichloromethane	<19		97	19	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Dichlorodifluoromethane	<42		97	42	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Ethylbenzene	**89**	**J**	97	28	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
1,2-Dibromoethane	<17		97	17	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Hexachlorobutadiene	<38		97	38	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Isopropyl ether	<51		97	51	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Isopropylbenzene	**34**	**J ^c**	97	15	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Methyl tert-butyl ether	<37		97	37	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Methylene Chloride	<19		97	19	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
m&p-Xylene	**370**		190	54	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Naphthalene	**68**	**J**	97	33	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
n-Butylbenzene	**37**	**J**	97	28	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
N-Propylbenzene	<25		97	25	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2

Client Sample ID: P5M2-3A
Date Collected: 05/18/23 14:00
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-2
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	**83**	**J**	97	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
sec-Butylbenzene	<36		97	36	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Tetrachloroethene	<13		97	13	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Toluene	<26		97	26	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
trans-1,2-Dichloroethene	<23		97	23	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
trans-1,3-Dichloropropene	<9.5		97	9.5	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Trichloroethene	<27		97	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Trichlorofluoromethane	<45		97	45	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Vinyl chloride	<32		97	32	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Xylenes, Total	**450**		190	54	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
cis-1,3-Dichloropropene	<23		97	23	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
Styrene	<23		97	23	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2
tert-Butylbenzene	<27		97	27	ug/Kg	☼	05/23/23 10:35	05/23/23 15:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*05/23/23 10:35*	*05/23/23 15:40*	*2*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*05/23/23 10:35*	*05/23/23 15:40*	*2*
Toluene-d8 (Surr)	*104*		*50 - 149*	*05/23/23 10:35*	*05/23/23 15:40*	*2*
Dibromofluoromethane (Surr)	*95*		*60 - 140*	*05/23/23 10:35*	*05/23/23 15:40*	*2*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<52		260	52	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1221	<52		260	52	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1232	<52		260	52	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1242	**110**	**J**	260	52	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1248	<52		260	52	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1254	<120		260	120	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1
PCB-1260	<120		260	120	ug/Kg	☼	05/23/23 08:40	05/23/23 21:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*60 - 154*	*05/23/23 08:40*	*05/23/23 21:59*	*1*
DCB Decachlorobiphenyl	*93*	*^c*	*65 - 174*	*05/23/23 08:40*	*05/23/23 21:59*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.71	0.24	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1
Arsenic	**0.64**	**J**	2.4	0.47	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1
Barium	**14.3**		0.59	0.13	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1
Cadmium	**0.12**	**J**	0.24	0.035	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1
Chromium	**5.3**		0.59	0.24	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1
Lead	**7.1**		1.2	0.28	mg/Kg	☼	05/23/23 09:28	05/26/23 14:00	1
Selenium	<0.47		4.7	0.47	mg/Kg	☼	05/23/23 09:28	05/24/23 19:34	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12.2**	**J**	20.6	4.7	ug/Kg	☼	05/24/23 09:50	05/24/23 13:07	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-209076-1	P5M1-3A	99	102	108	100
480-209076-2	P5M2-3A	98	100	104	95
LCS 480-670528/2-A	Lab Control Sample	96	100	103	97
MB 480-670528/1-A	Method Blank	93	98	103	94

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX1	DCBP1
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-209076-1	P5M1-3A	94	81 ^c
480-209076-1 MS	P5M1-3A	120	109
480-209076-1 MSD	P5M1-3A	110	101
480-209076-2	P5M2-3A	102	93 ^c
LCS 480-670473/2-A	Lab Control Sample	123	105
MB 480-670473/1-A	Method Blank	103	91

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-670528/1-A
Matrix: Solid
Analysis Batch: 670480

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670528

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Benzene	<19		100	19	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Bromobenzene	<22		100	22	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Bromoform	<50		100	50	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Bromomethane	<22		100	22	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Chlorobenzene	<13		100	13	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Bromochloromethane	<36		100	36	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Dibromochloromethane	<48		100	48	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Chloroethane	<21		100	21	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Chloroform	<69		100	69	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Chloromethane	<24		100	24	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Dibromomethane	<33		100	33	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Bromodichloromethane	<20		100	20	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Ethylbenzene	<29		100	29	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Isopropyl ether	<53		100	53	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Isopropylbenzene	<15		100	15	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Methylene Chloride	46.3	J	100	20	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
m&p-Xylene	<55		200	55	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Naphthalene	<34		100	34	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
n-Butylbenzene	<29		100	29	ug/Kg		05/23/23 10:35	05/23/23 13:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-670528/1-A
Matrix: Solid
Analysis Batch: 670480

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670528

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
o-Xylene	<13		100	13	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Tetrachloroethene	<13		100	13	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Toluene	<27		100	27	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Trichloroethene	<28		100	28	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Vinyl chloride	<34		100	34	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Xylenes, Total	<55		200	55	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
Styrene	<24		100	24	ug/Kg		05/23/23 10:35	05/23/23 13:44	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/23/23 10:35	05/23/23 13:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*53 - 146*	*05/23/23 10:35*	*05/23/23 13:44*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*05/23/23 10:35*	*05/23/23 13:44*	*1*
Toluene-d8 (Surr)	*103*		*50 - 149*	*05/23/23 10:35*	*05/23/23 13:44*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*	*05/23/23 10:35*	*05/23/23 13:44*	*1*

Lab Sample ID: LCS 480-670528/2-A
Matrix: Solid
Analysis Batch: 670480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2570		ug/Kg		103	78 - 120
1,1,1-Trichloroethane	2500	2410		ug/Kg		97	68 - 130
1,1,2,2-Tetrachloroethane	2500	2590		ug/Kg		103	73 - 120
1,1,2-Trichloroethane	2500	2680		ug/Kg		107	80 - 120
1,1-Dichloroethane	2500	2460		ug/Kg		99	78 - 121
1,1-Dichloroethene	2500	2280		ug/Kg		91	48 - 133
1,1-Dichloropropene	2500	2570		ug/Kg		103	75 - 121
1,2,3-Trichlorobenzene	2500	2260		ug/Kg		90	57 - 150
1,2,3-Trichloropropane	2500	2640		ug/Kg		106	75 - 120
1,2,4-Trichlorobenzene	2500	2270		ug/Kg		91	70 - 140
1,2,4-Trimethylbenzene	2500	2660		ug/Kg		106	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2190		ug/Kg		87	56 - 122
1,2-Dichlorobenzene	2500	2600		ug/Kg		104	78 - 125
1,2-Dichloroethane	2500	2300		ug/Kg		92	74 - 127
1,2-Dichloropropane	2500	2410		ug/Kg		96	80 - 120
1,3,5-Trimethylbenzene	2500	2700		ug/Kg		108	79 - 120
1,3-Dichlorobenzene	2500	2610		ug/Kg		105	80 - 120
1,3-Dichloropropane	2500	2510		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2580		ug/Kg		103	80 - 120
2,2-Dichloropropane	2500	2540		ug/Kg		102	58 - 142
2-Chlorotoluene	2500	2640		ug/Kg		106	72 - 122
4-Chlorotoluene	2500	2790		ug/Kg		112	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-670528/2-A
Matrix: Solid
Analysis Batch: 670480

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670528

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2640		ug/Kg		105	80 - 120
Benzene	2500	2450		ug/Kg		98	77 - 125
Bromobenzene	2500	2770		ug/Kg		111	78 - 120
Bromoform	2500	2170		ug/Kg		87	48 - 125
Bromomethane	2500	2410		ug/Kg		96	39 - 149
Carbon tetrachloride	2500	2350		ug/Kg		94	54 - 135
Chlorobenzene	2500	2610		ug/Kg		104	76 - 126
Bromochloromethane	2500	2390		ug/Kg		96	79 - 120
Dibromochloromethane	2500	2420		ug/Kg		97	64 - 120
Chloroethane	2500	1980		ug/Kg		79	23 - 150
Chloroform	2500	2370		ug/Kg		95	78 - 120
Chloromethane	2500	2600		ug/Kg		104	61 - 124
cis-1,2-Dichloroethene	2500	2400		ug/Kg		96	79 - 124
Dibromomethane	2500	2430		ug/Kg		97	79 - 120
Bromodichloromethane	2500	2260		ug/Kg		90	71 - 121
Dichlorodifluoromethane	2500	2320		ug/Kg		93	10 - 150
Ethylbenzene	2500	2690		ug/Kg		108	78 - 124
1,2-Dibromoethane	2500	2530		ug/Kg		101	80 - 120
Hexachlorobutadiene	2500	2260		ug/Kg		90	61 - 149
Isopropylbenzene	2500	2880		ug/Kg		115	76 - 120
Methyl tert-butyl ether	2500	2230		ug/Kg		89	67 - 137
Methylene Chloride	2500	2320		ug/Kg		93	75 - 118
m&p-Xylene	2500	2640		ug/Kg		106	77 - 125
Naphthalene	2500	2270		ug/Kg		91	65 - 142
n-Butylbenzene	2500	2650		ug/Kg		106	80 - 120
N-Propylbenzene	2500	2790		ug/Kg		112	76 - 120
o-Xylene	2500	2660		ug/Kg		106	80 - 124
sec-Butylbenzene	2500	2680		ug/Kg		107	79 - 120
Tetrachloroethene	2500	2740		ug/Kg		110	73 - 133
Toluene	2500	2610		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2440		ug/Kg		98	74 - 129
trans-1,3-Dichloropropene	2500	2510		ug/Kg		100	73 - 120
Trichloroethene	2500	2460		ug/Kg		99	75 - 131
Trichlorofluoromethane	2500	2390		ug/Kg		96	29 - 158
Vinyl chloride	2500	2580		ug/Kg		103	59 - 124
cis-1,3-Dichloropropene	2500	2300		ug/Kg		92	75 - 121
Styrene	2500	2740		ug/Kg		110	80 - 120
tert-Butylbenzene	2500	2590		ug/Kg		104	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Toluene-d8 (Surr)	*103*		*50 - 149*
Dibromofluoromethane (Surr)	*97*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-670473/1-A
Matrix: Solid
Analysis Batch: 670457

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670473

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<44		230	44	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1221	<44		230	44	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1232	<44		230	44	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1242	<44		230	44	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1248	<44		230	44	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1254	<110		230	110	ug/Kg		05/23/23 08:40	05/23/23 20:48	1
PCB-1260	<110		230	110	ug/Kg		05/23/23 08:40	05/23/23 20:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*60 - 154*	*05/23/23 08:40*	*05/23/23 20:48*	*1*
DCB Decachlorobiphenyl	*91*		*65 - 174*	*05/23/23 08:40*	*05/23/23 20:48*	*1*

Lab Sample ID: LCS 480-670473/2-A
Matrix: Solid
Analysis Batch: 670457

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670473

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2310	2860		ug/Kg		124	51 - 185		
PCB-1260			2310	2710		ug/Kg		117	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*60 - 154*
DCB Decachlorobiphenyl	*105*		*65 - 174*

Lab Sample ID: 480-209076-1 MS
Matrix: Solid
Analysis Batch: 670457

Client Sample ID: P5M1-3A
Prep Type: Total/NA
Prep Batch: 670473

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016	<54		2890	3700		ug/Kg	☼	128	50 - 177		
PCB-1260	<130		2890	3590		ug/Kg	☼	124	33 - 200		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*120*		*60 - 154*
DCB Decachlorobiphenyl	*109*		*65 - 174*

Lab Sample ID: 480-209076-1 MSD
Matrix: Solid
Analysis Batch: 670457

Client Sample ID: P5M1-3A
Prep Type: Total/NA
Prep Batch: 670473

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016	<54		2870	3070		ug/Kg	☼	107	50 - 177	19	50
PCB-1260	<130		2870	2890		ug/Kg	☼	101	33 - 200	22	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*110*		*60 - 154*
DCB Decachlorobiphenyl	*101*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-670475/1-A
Matrix: Solid
Analysis Batch: 670869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670475

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.21		0.62	0.21	mg/Kg		05/23/23 09:28	05/24/23 18:05	1
Arsenic	<0.41		2.1	0.41	mg/Kg		05/23/23 09:28	05/24/23 18:05	1
Barium	<0.11		0.52	0.11	mg/Kg		05/23/23 09:28	05/24/23 18:05	1
Cadmium	<0.031		0.21	0.031	mg/Kg		05/23/23 09:28	05/24/23 18:05	1
Chromium	<0.21		0.52	0.21	mg/Kg		05/23/23 09:28	05/24/23 18:05	1
Selenium	<0.41		4.1	0.41	mg/Kg		05/23/23 09:28	05/24/23 18:05	1

Lab Sample ID: MB 480-670475/1-A
Matrix: Solid
Analysis Batch: 671208

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670475

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.25		1.0	0.25	mg/Kg		05/23/23 09:28	05/26/23 12:43	1

Lab Sample ID: LCSSRM 480-670475/2-A
Matrix: Solid
Analysis Batch: 670869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670475

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	66.09		mg/Kg		75.5	63.7 - 115.4
Arsenic	129	95.34		mg/Kg		73.9	60.9 - 113.2
Barium	169	130.5		mg/Kg		77.2	68.6 - 114.2
Cadmium	227	161.4		mg/Kg		71.1	64.8 - 110.1
Chromium	115	87.42		mg/Kg		76.0	62.4 - 115.7
Selenium	246	173.5		mg/Kg		70.5	60.2 - 114.6

Lab Sample ID: LCSSRM 480-670475/2-A
Matrix: Solid
Analysis Batch: 671208

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670475

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Lead	74.8	94.36		mg/Kg		126.2	67.0 - 128.9

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-670567/1-A
Matrix: Solid
Analysis Batch: 670722

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670567

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.7		20.2	4.7	ug/Kg		05/24/23 09:50	05/24/23 12:46	1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-670567/2-A ^10
Matrix: Solid
Analysis Batch: 670722

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670567

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			20700	12070		ug/Kg		58.3	38.3 - 110.1		

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

GC/MS VOA

Analysis Batch: 670480

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	8260C	670528
480-209076-2	P5M2-3A	Total/NA	Solid	8260C	670528
MB 480-670528/1-A	Method Blank	Total/NA	Solid	8260C	670528
LCS 480-670528/2-A	Lab Control Sample	Total/NA	Solid	8260C	670528

Prep Batch: 670528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	5035A_H	
480-209076-2	P5M2-3A	Total/NA	Solid	5035A_H	
MB 480-670528/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-670528/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

GC Semi VOA

Analysis Batch: 670457

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	8082A	670473
480-209076-2	P5M2-3A	Total/NA	Solid	8082A	670473
MB 480-670473/1-A	Method Blank	Total/NA	Solid	8082A	670473
LCS 480-670473/2-A	Lab Control Sample	Total/NA	Solid	8082A	670473
480-209076-1 MS	P5M1-3A	Total/NA	Solid	8082A	670473
480-209076-1 MSD	P5M1-3A	Total/NA	Solid	8082A	670473

Prep Batch: 670473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	3550C	
480-209076-2	P5M2-3A	Total/NA	Solid	3550C	
MB 480-670473/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-670473/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-209076-1 MS	P5M1-3A	Total/NA	Solid	3550C	
480-209076-1 MSD	P5M1-3A	Total/NA	Solid	3550C	

Metals

Prep Batch: 670475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	3050B	
480-209076-2	P5M2-3A	Total/NA	Solid	3050B	
MB 480-670475/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-670475/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 670567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	7471B	
480-209076-2	P5M2-3A	Total/NA	Solid	7471B	
MB 480-670567/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-670567/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 670722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	7471B	670567
480-209076-2	P5M2-3A	Total/NA	Solid	7471B	670567

Metals (Continued)

Analysis Batch: 670722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-670567/1-A	Method Blank	Total/NA	Solid	7471B	670567
LCSSRM 480-670567/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	670567

Analysis Batch: 670869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	6010C	670475
480-209076-2	P5M2-3A	Total/NA	Solid	6010C	670475
MB 480-670475/1-A	Method Blank	Total/NA	Solid	6010C	670475
LCSSRM 480-670475/2-A	Lab Control Sample	Total/NA	Solid	6010C	670475

Analysis Batch: 671208

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	6010C	670475
480-209076-2	P5M2-3A	Total/NA	Solid	6010C	670475
MB 480-670475/1-A	Method Blank	Total/NA	Solid	6010C	670475
LCSSRM 480-670475/2-A	Lab Control Sample	Total/NA	Solid	6010C	670475

General Chemistry

Analysis Batch: 671058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209076-1	P5M1-3A	Total/NA	Solid	Moisture	
480-209076-2	P5M2-3A	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Client Sample ID: P5M1-3A
Date Collected: 05/18/23 14:30
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	671058	KER	EET BUF	05/26/23 11:23

Client Sample ID: P5M1-3A
Date Collected: 05/18/23 14:30
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-1
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670528	ATG	EET BUF	05/23/23 10:35
Total/NA	Analysis	8260C		1	670480	AXK	EET BUF	05/23/23 15:17
Total/NA	Prep	3550C			670473	JMP	EET BUF	05/23/23 08:40
Total/NA	Analysis	8082A		1	670457	W1T	EET BUF	05/23/23 21:45
Total/NA	Prep	3050B			670475	VAK	EET BUF	05/23/23 09:28
Total/NA	Analysis	6010C		1	670869	LMH	EET BUF	05/24/23 19:30
Total/NA	Prep	3050B			670475	VAK	EET BUF	05/23/23 09:28
Total/NA	Analysis	6010C		1	671208	LMH	EET BUF	05/26/23 13:56
Total/NA	Prep	7471B			670567	NVK	EET BUF	05/24/23 09:50
Total/NA	Analysis	7471B		1	670722	NVK	EET BUF	05/24/23 13:06

Client Sample ID: P5M2-3A
Date Collected: 05/18/23 14:00
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	671058	KER	EET BUF	05/26/23 11:23

Client Sample ID: P5M2-3A
Date Collected: 05/18/23 14:00
Date Received: 05/22/23 11:00

Lab Sample ID: 480-209076-2
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670528	ATG	EET BUF	05/23/23 10:35
Total/NA	Analysis	8260C		2	670480	AXK	EET BUF	05/23/23 15:40
Total/NA	Prep	3550C			670473	JMP	EET BUF	05/23/23 08:40
Total/NA	Analysis	8082A		1	670457	W1T	EET BUF	05/23/23 21:59
Total/NA	Prep	3050B			670475	VAK	EET BUF	05/23/23 09:28
Total/NA	Analysis	6010C		1	670869	LMH	EET BUF	05/24/23 19:34
Total/NA	Prep	3050B			670475	VAK	EET BUF	05/23/23 09:28
Total/NA	Analysis	6010C		1	671208	LMH	EET BUF	05/26/23 14:00
Total/NA	Prep	7471B			670567	NVK	EET BUF	05/24/23 09:50
Total/NA	Analysis	7471B		1	670722	NVK	EET BUF	05/24/23 13:07

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-209076-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209076-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209076-1	P5M1-3A	Solid	05/18/23 14:30	05/22/23 11:00
480-209076-2	P5M2-3A	Solid	05/18/23 14:00	05/22/23 11:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-209076-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other: **WDNR R&R**

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 5/19/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Colin Gloede
(xxx) xxx-xxxx Phone	☐CALENDAR DAYS ☑WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐1 week			Job / SDG No.:
P O # 48025931	☐2 days			
	☐1 day			Sample Specific Notes:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocS	
PSMI-3A	5/18	1430	G	S	3	N	N	X	X	PID 25 ppm
PSMZ-3A	5/18	1400	G	S	3	N	N	X	X	PID 46.3 ppm
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								1	1	

480-209076 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☑Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

7.2 ICE

Custody Seals Intact: ☐Yes ☐No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:

Relinquished by:	Company: SCS Engineers	Date/Time: 5/18/23	Received by:	Company: TAB	Date/Time: 5-22-23 1100
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

5/31/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-209076-1

Login Number: 209076
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE 5-22-23 12:45
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	False	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 5/31/2023 7:57:21 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-209166-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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Authorization

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Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Job ID: 480-209166-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209166-1

Comments
No additional comments.

Receipt
The samples were received on 5/24/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-670877 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5M1-2A (480-209166-1), P5M2-2A (480-209166-2) and P5M1-12d (480-209166-3).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-670778 and analytical batch 480-670877 recovered outside control limits for the following analytes: Vinyl chloride and 1,1-Dichloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: P5M2-2A (480-209166-2). Elevated reporting limits (RLs) are provided.

Method 8260C: Samples were analyzed using medium level soil analysis.

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Client Sample ID: P5M1-2A — Lab Sample ID: 480-209166-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	50	J B	130	26	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.7		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	93.8		0.57	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	17.9		0.57	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	9.6		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Mercury	13.1	J	19.6	4.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-2A — Lab Sample ID: 480-209166-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	160		110	21	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	180		110	16	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	47	J	110	29	ug/Kg	1	☼	8260C	Total/NA
Arsenic	1.3	J	2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	18.0		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.17	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	5.5		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	3.8		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M1-12d — Lab Sample ID: 480-209166-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	50	J B	130	25	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.8		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	80.5		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.19	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	13.5		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.2		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	11.8	J	21.1	4.8	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Client Sample ID: P5M1-2A
Date Collected: 05/23/23 12:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-1
Matrix: Solid
Percent Solids: 83.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<37		130	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1,1-Trichloroethane	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1,2,2-Tetrachloroethane	<21		130	21	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1,2-Trichloroethane	<27		130	27	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1-Dichloroethane	<40	*	130	40	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1-Dichloroethene	<45		130	45	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,1-Dichloropropene	<32		130	32	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2,3-Trichlorobenzene	<60		130	60	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2,3-Trichloropropane	<29		130	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2,4-Trichlorobenzene	<49		130	49	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2,4-Trimethylbenzene	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2-Dibromo-3-Chloropropane	<65		130	65	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2-Dichlorobenzene	<33		130	33	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2-Dichloroethane	<53		130	53	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2-Dichloropropane	<21		130	21	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,3,5-Trimethylbenzene	<39		130	39	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,3-Dichlorobenzene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,3-Dichloropropane	<24		130	24	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,4-Dichlorobenzene	<18		130	18	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
2,2-Dichloropropane	<29	^c	130	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
2-Chlorotoluene	<50		130	50	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
4-Chlorotoluene	<26		130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
p-Isopropyltoluene	<44		130	44	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Benzene	<25		130	25	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Bromobenzene	<28		130	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Bromoform	<65		130	65	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Bromomethane	<28		130	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Carbon tetrachloride	<33		130	33	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Chlorobenzene	<17		130	17	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Bromochloromethane	<47		130	47	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Dibromochloromethane	<63		130	63	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Chloroethane	<27		130	27	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Chloroform	<89		130	89	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Chloromethane	<31		130	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
cis-1,2-Dichloroethene	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Dibromomethane	<42		130	42	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Bromodichloromethane	<26		130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Dichlorodifluoromethane	<56		130	56	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Ethylbenzene	<38		130	38	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
1,2-Dibromoethane	<23		130	23	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Hexachlorobutadiene	<51		130	51	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Isopropyl ether	<69		130	69	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Isopropylbenzene	<19		130	19	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Methyl tert-butyl ether	<49		130	49	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Methylene Chloride	**50**	**J B**	130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
m&p-Xylene	<72		260	72	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Naphthalene	<44		130	44	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
n-Butylbenzene	<38		130	38	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
N-Propylbenzene	<34		130	34	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1

Client Sample ID: P5M1-2A

Date Collected: 05/23/23 12:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-1

Matrix: Solid
Percent Solids: 83.3

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<17		130	17	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
sec-Butylbenzene	<48		130	48	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Tetrachloroethene	<17		130	17	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Toluene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
trans-1,2-Dichloroethene	<31		130	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
trans-1,3-Dichloropropene	<13		130	13	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Trichloroethene	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Trichlorofluoromethane	<61		130	61	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Vinyl chloride	<43	*	130	43	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Xylenes, Total	<72		260	72	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
cis-1,3-Dichloropropene	<31		130	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
Styrene	<31		130	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1
tert-Butylbenzene	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*05/24/23 17:01*	*05/25/23 16:04*	*1*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*	*05/24/23 17:01*	*05/25/23 16:04*	*1*
Toluene-d8 (Surr)	*108*		*50 - 149*	*05/24/23 17:01*	*05/25/23 16:04*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*05/24/23 17:01*	*05/25/23 16:04*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1221	<45		230	45	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1232	<45		230	45	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1242	<45		230	45	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1248	<45		230	45	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1254	<110		230	110	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1
PCB-1260	<110		230	110	ug/Kg	☼	05/24/23 16:03	05/25/23 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*05/24/23 16:03*	*05/25/23 13:23*	*1*
DCB Decachlorobiphenyl	*110*		*65 - 174*	*05/24/23 16:03*	*05/25/23 13:23*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Arsenic	**3.7**		2.3	0.46	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Barium	**93.8**		0.57	0.13	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Cadmium	**0.21**	**J**	0.23	0.034	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Chromium	**17.9**		0.57	0.23	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Lead	**9.6**		1.1	0.27	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1
Selenium	<0.46		4.6	0.46	mg/Kg	☼	05/25/23 14:28	05/26/23 22:54	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**13.1**	**J**	19.6	4.5	ug/Kg	☼	05/31/23 10:28	05/31/23 13:45	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Client Sample ID: P5M2-2A
Date Collected: 05/23/23 10:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-2
Matrix: Solid
Percent Solids: 85.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<31		110	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1,1-Trichloroethane	<30		110	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1,2,2-Tetrachloroethane	<18		110	18	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1,2-Trichloroethane	<23		110	23	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1-Dichloroethane	<34	*	110	34	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1-Dichloroethene	<38		110	38	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,1-Dichloropropene	<27		110	27	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2,3-Trichlorobenzene	<50		110	50	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2,3-Trichloropropane	<24		110	24	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2,4-Trichlorobenzene	<41		110	41	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2,4-Trimethylbenzene	<31		110	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2-Dibromo-3-Chloropropane	<55		110	55	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2-Dichlorobenzene	<28		110	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2-Dichloroethane	<45		110	45	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2-Dichloropropane	<18		110	18	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,3,5-Trimethylbenzene	<33		110	33	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,3-Dichlorobenzene	<29		110	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,3-Dichloropropane	<20		110	20	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,4-Dichlorobenzene	<15		110	15	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
2,2-Dichloropropane	<25	^c	110	25	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
2-Chlorotoluene	<42		110	42	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
4-Chlorotoluene	<22		110	22	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
p-Isopropyltoluene	<37		110	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Benzene	**160**		110	21	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Bromobenzene	<24		110	24	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Bromoform	<55		110	55	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Bromomethane	<24		110	24	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Carbon tetrachloride	<28		110	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Chlorobenzene	<14		110	14	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Bromochloromethane	<40		110	40	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Dibromochloromethane	<53		110	53	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Chloroethane	<23		110	23	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Chloroform	<75		110	75	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Chloromethane	<26		110	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
cis-1,2-Dichloroethene	<30		110	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Dibromomethane	<36		110	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Bromodichloromethane	<22		110	22	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Dichlorodifluoromethane	<48		110	48	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Ethylbenzene	<32		110	32	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
1,2-Dibromoethane	<19		110	19	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Hexachlorobutadiene	<43		110	43	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Isopropyl ether	<58		110	58	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Isopropylbenzene	**180**		110	16	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Methyl tert-butyl ether	<41		110	41	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Methylene Chloride	<22		110	22	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
m&p-Xylene	<61		220	61	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Naphthalene	<37		110	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
n-Butylbenzene	<32		110	32	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
N-Propylbenzene	**47**	**J**	110	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1

Client Sample ID: P5M2-2A

Date Collected: 05/23/23 10:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-2

Matrix: Solid
Percent Solids: 85.0

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<14		110	14	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
sec-Butylbenzene	<40		110	40	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Tetrachloroethene	<15		110	15	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Toluene	<29		110	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
trans-1,2-Dichloroethene	<26		110	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
trans-1,3-Dichloropropene	<11		110	11	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Trichloroethene	<30		110	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Trichlorofluoromethane	<51		110	51	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Vinyl chloride	<37	*	110	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Xylenes, Total	<61		220	61	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
cis-1,3-Dichloropropene	<26		110	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
Styrene	<26		110	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1
tert-Butylbenzene	<30		110	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*05/24/23 17:01*	*05/25/23 16:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*	*05/24/23 17:01*	*05/25/23 16:27*	*1*
Toluene-d8 (Surr)	*97*		*50 - 149*	*05/24/23 17:01*	*05/25/23 16:27*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/24/23 17:01*	*05/25/23 16:27*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<47		240	47	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1221	<47		240	47	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1232	<47		240	47	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1242	<47		240	47	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1248	<47		240	47	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1254	<110		240	110	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1
PCB-1260	<110		240	110	ug/Kg	☼	05/24/23 16:03	05/25/23 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*105*		*60 - 154*	*05/24/23 16:03*	*05/25/23 13:37*	*1*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*05/24/23 16:03*	*05/25/23 13:37*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Arsenic	**1.3**	**J**	2.4	0.48	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Barium	**18.0**		0.60	0.13	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Cadmium	**0.17**	**J**	0.24	0.036	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Chromium	**5.5**		0.60	0.24	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Lead	**3.8**		1.2	0.29	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	05/25/23 14:28	05/26/23 22:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.3		23.1	5.3	ug/Kg	☼	05/31/23 10:28	05/31/23 13:46	1

Client Sample ID: P5M1-12d

Date Collected: 05/23/23 16:15
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-3

Matrix: Solid
Percent Solids: 81.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<36		130	36	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1,1-Trichloroethane	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1,2,2-Tetrachloroethane	<20		130	20	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1,2-Trichloroethane	<26		130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1-Dichloroethane	<39	*	130	39	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1-Dichloroethene	<44		130	44	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,1-Dichloropropene	<31		130	31	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2,3-Trichlorobenzene	<58		130	58	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2,3-Trichloropropane	<28		130	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2,4-Trichlorobenzene	<48		130	48	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2,4-Trimethylbenzene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2-Dibromo-3-Chloropropane	<63		130	63	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2-Dichlorobenzene	<32		130	32	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2-Dichloroethane	<51		130	51	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2-Dichloropropane	<20		130	20	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,3,5-Trimethylbenzene	<38		130	38	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,3-Dichlorobenzene	<34		130	34	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,3-Dichloropropane	<23		130	23	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,4-Dichlorobenzene	<18		130	18	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
2,2-Dichloropropane	<29	^c	130	29	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
2-Chlorotoluene	<48		130	48	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
4-Chlorotoluene	<26		130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
p-Isopropyltoluene	<42		130	42	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Benzene	<24		130	24	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Bromobenzene	<28		130	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Bromoform	<63		130	63	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Bromomethane	<28		130	28	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Carbon tetrachloride	<32		130	32	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Chlorobenzene	<17		130	17	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Bromochloromethane	<45		130	45	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Dibromochloromethane	<61		130	61	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Chloroethane	<26		130	26	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Chloroform	<86		130	86	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Chloromethane	<30		130	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
cis-1,2-Dichloroethene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Dibromomethane	<41		130	41	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Bromodichloromethane	<25		130	25	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Dichlorodifluoromethane	<55		130	55	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Ethylbenzene	<37		130	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
1,2-Dibromoethane	<22		130	22	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Hexachlorobutadiene	<50		130	50	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Isopropyl ether	<67		130	67	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Isopropylbenzene	<19		130	19	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Methyl tert-butyl ether	<48		130	48	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Methylene Chloride	**50**	**J B**	130	25	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
m&p-Xylene	<70		250	70	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Naphthalene	<42		130	42	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
n-Butylbenzene	<37		130	37	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
N-Propylbenzene	<33		130	33	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1

Client Sample ID: P5M1-12d

Date Collected: 05/23/23 16:15
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-3

Matrix: Solid
Percent Solids: 81.6

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<16		130	16	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
sec-Butylbenzene	<46		130	46	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Tetrachloroethene	<17		130	17	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Toluene	<34		130	34	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
trans-1,2-Dichloroethene	<30		130	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
trans-1,3-Dichloropropene	<12		130	12	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Trichloroethene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Trichlorofluoromethane	<59		130	59	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Vinyl chloride	<42	*	130	42	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Xylenes, Total	<70		250	70	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
cis-1,3-Dichloropropene	<30		130	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
Styrene	<30		130	30	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1
tert-Butylbenzene	<35		130	35	ug/Kg	☼	05/24/23 17:01	05/25/23 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*05/24/23 17:01*	*05/25/23 16:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*05/24/23 17:01*	*05/25/23 16:50*	*1*
Toluene-d8 (Surr)	*93*		*50 - 149*	*05/24/23 17:01*	*05/25/23 16:50*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*05/24/23 17:01*	*05/25/23 16:50*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<43		220	43	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1221	<43		220	43	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1232	<43		220	43	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1242	<43		220	43	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1248	<43		220	43	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1254	<100		220	100	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1
PCB-1260	<100		220	100	ug/Kg	☼	05/24/23 16:03	05/25/23 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*109*		*60 - 154*	*05/24/23 16:03*	*05/25/23 13:51*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*05/24/23 16:03*	*05/25/23 13:51*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.73	0.24	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Arsenic	**3.8**		2.4	0.49	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Barium	**80.5**		0.61	0.13	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Cadmium	**0.19**	**J**	0.24	0.036	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Chromium	**13.5**		0.61	0.24	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Lead	**8.2**		1.2	0.29	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1
Selenium	<0.49		4.9	0.49	mg/Kg	☼	05/25/23 14:28	05/26/23 23:02	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.8**	**J**	21.1	4.8	ug/Kg	☼	05/31/23 10:28	05/31/23 13:48	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-209166-1	P5M1-2A	100	112	108	98
480-209166-2	P5M2-2A	99	100	97	102
480-209166-3	P5M1-12d	102	98	93	99
LCS 480-670778/20-A	Lab Control Sample	103	98	98	104
MB 480-670778/1-A	Method Blank	103	104	98	108

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-209166-1	P5M1-2A	109	110
480-209166-2	P5M2-2A	105	107
480-209166-3	P5M1-12d	109	111
LCS 480-670772/2-A	Lab Control Sample	121	122
MB 480-670772/1-A	Method Blank	104	105

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-670778/1-A
Matrix: Solid
Analysis Batch: 670877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670778

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Benzene	<19		100	19	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Bromobenzene	<22		100	22	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Bromoform	<50		100	50	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Bromomethane	<22		100	22	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Chlorobenzene	<13		100	13	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Bromochloromethane	<36		100	36	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Dibromochloromethane	<48		100	48	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Chloroethane	<21		100	21	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Chloroform	<69		100	69	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Chloromethane	<24		100	24	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Dibromomethane	<33		100	33	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Bromodichloromethane	<20		100	20	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Ethylbenzene	<29		100	29	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Isopropyl ether	<53		100	53	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Isopropylbenzene	<15		100	15	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Methylene Chloride	27.2	J	100	20	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
m&p-Xylene	<55		200	55	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Naphthalene	<34		100	34	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
n-Butylbenzene	<29		100	29	ug/Kg		05/24/23 17:01	05/25/23 15:07	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-670778/1-A
Matrix: Solid
Analysis Batch: 670877

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670778

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
o-Xylene	<13		100	13	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Tetrachloroethene	<13		100	13	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Toluene	<27		100	27	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Trichloroethene	<28		100	28	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Vinyl chloride	<34		100	34	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Xylenes, Total	<55		200	55	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
Styrene	<24		100	24	ug/Kg		05/24/23 17:01	05/25/23 15:07	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/24/23 17:01	05/25/23 15:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*	*05/24/23 17:01*	*05/25/23 15:07*	*1*
4-Bromofluorobenzene (Surr)	*104*		*49 - 148*	*05/24/23 17:01*	*05/25/23 15:07*	*1*
Toluene-d8 (Surr)	*98*		*50 - 149*	*05/24/23 17:01*	*05/25/23 15:07*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*	*05/24/23 17:01*	*05/25/23 15:07*	*1*

Lab Sample ID: LCS 480-670778/20-A
Matrix: Solid
Analysis Batch: 670877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2560		ug/Kg		102	78 - 120
1,1,1-Trichloroethane	2500	3020		ug/Kg		121	68 - 130
1,1,2,2-Tetrachloroethane	2500	2600		ug/Kg		104	73 - 120
1,1,2-Trichloroethane	2500	2600		ug/Kg		104	80 - 120
1,1-Dichloroethane	2500	3090	*	ug/Kg		124	78 - 121
1,1-Dichloroethene	2500	2870		ug/Kg		115	48 - 133
1,1-Dichloropropene	2500	2920		ug/Kg		117	75 - 121
1,2,3-Trichlorobenzene	2500	2320		ug/Kg		93	57 - 150
1,2,3-Trichloropropane	2500	2690		ug/Kg		107	75 - 120
1,2,4-Trichlorobenzene	2500	2400		ug/Kg		96	70 - 140
1,2,4-Trimethylbenzene	2500	2730		ug/Kg		109	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2190		ug/Kg		88	56 - 122
1,2-Dichlorobenzene	2500	2740		ug/Kg		110	78 - 125
1,2-Dichloroethane	2500	2560		ug/Kg		103	74 - 127
1,2-Dichloropropane	2500	2420		ug/Kg		97	80 - 120
1,3,5-Trimethylbenzene	2500	2840		ug/Kg		114	79 - 120
1,3-Dichlorobenzene	2500	2770		ug/Kg		111	80 - 120
1,3-Dichloropropane	2500	2530		ug/Kg		101	80 - 120
1,4-Dichlorobenzene	2500	2660		ug/Kg		107	80 - 120
2,2-Dichloropropane	2500	3490		ug/Kg		140	58 - 142
2-Chlorotoluene	2500	2720		ug/Kg		109	72 - 122
4-Chlorotoluene	2500	2790		ug/Kg		111	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-670778/20-A
Matrix: Solid
Analysis Batch: 670877

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670778

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2760		ug/Kg		111	80 - 120
Benzene	2500	2640		ug/Kg		106	77 - 125
Bromobenzene	2500	2860		ug/Kg		115	78 - 120
Bromoform	2500	2190		ug/Kg		88	48 - 125
Bromomethane	2500	2870		ug/Kg		115	39 - 149
Carbon tetrachloride	2500	2680		ug/Kg		107	54 - 135
Chlorobenzene	2500	2630		ug/Kg		105	76 - 126
Bromochloromethane	2500	2810		ug/Kg		112	79 - 120
Dibromochloromethane	2500	2490		ug/Kg		99	64 - 120
Chloroethane	2500	2610		ug/Kg		104	23 - 150
Chloroform	2500	2910		ug/Kg		116	78 - 120
Chloromethane	2500	3080		ug/Kg		123	61 - 124
cis-1,2-Dichloroethene	2500	2980		ug/Kg		119	79 - 124
Dibromomethane	2500	2570		ug/Kg		103	79 - 120
Bromodichloromethane	2500	2460		ug/Kg		98	71 - 121
Dichlorodifluoromethane	2500	2910		ug/Kg		117	10 - 150
Ethylbenzene	2500	2710		ug/Kg		108	78 - 124
1,2-Dibromoethane	2500	2510		ug/Kg		100	80 - 120
Hexachlorobutadiene	2500	2530		ug/Kg		101	61 - 149
Isopropylbenzene	2500	2950		ug/Kg		118	76 - 120
Methyl tert-butyl ether	2500	2840		ug/Kg		114	67 - 137
Methylene Chloride	2500	2950		ug/Kg		118	75 - 118
m&p-Xylene	2500	2750		ug/Kg		110	77 - 125
Naphthalene	2500	2350		ug/Kg		94	65 - 142
n-Butylbenzene	2500	2770		ug/Kg		111	80 - 120
N-Propylbenzene	2500	2860		ug/Kg		114	76 - 120
o-Xylene	2500	2610		ug/Kg		104	80 - 124
sec-Butylbenzene	2500	2750		ug/Kg		110	79 - 120
Tetrachloroethene	2500	2760		ug/Kg		110	73 - 133
Toluene	2500	2700		ug/Kg		108	75 - 124
trans-1,2-Dichloroethene	2500	3120		ug/Kg		125	74 - 129
trans-1,3-Dichloropropene	2500	2500		ug/Kg		100	73 - 120
Trichloroethene	2500	2690		ug/Kg		108	75 - 131
Trichlorofluoromethane	2500	2920		ug/Kg		117	29 - 158
Vinyl chloride	2500	3150	*	ug/Kg		126	59 - 124
cis-1,3-Dichloropropene	2500	2470		ug/Kg		99	75 - 121
Styrene	2500	2640		ug/Kg		106	80 - 120
tert-Butylbenzene	2500	2860		ug/Kg		114	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*53 - 146*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*
Toluene-d8 (Surr)	*98*		*50 - 149*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-670772/1-A
Matrix: Solid
Analysis Batch: 670821

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670772

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<40		200	40	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1221	<40		200	40	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1232	<40		200	40	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1242	<40		200	40	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1248	<40		200	40	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1254	<96		200	96	ug/Kg		05/24/23 16:03	05/25/23 09:38	1
PCB-1260	<96		200	96	ug/Kg		05/24/23 16:03	05/25/23 09:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*05/24/23 16:03*	*05/25/23 09:38*	*1*
DCB Decachlorobiphenyl	*105*		*65 - 174*	*05/24/23 16:03*	*05/25/23 09:38*	*1*

Lab Sample ID: LCS 480-670772/2-A
Matrix: Solid
Analysis Batch: 670821

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670772

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2180	2440		ug/Kg		112	51 - 185		
PCB-1260			2180	2410		ug/Kg		110	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*121*		*60 - 154*
DCB Decachlorobiphenyl	*122*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-670924/1-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670924

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Arsenic	<0.40		2.0	0.40	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Barium	<0.11		0.50	0.11	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Cadmium	<0.030		0.20	0.030	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Chromium	<0.20		0.50	0.20	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Lead	<0.24		0.99	0.24	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Selenium	<0.40		4.0	0.40	mg/Kg		05/25/23 14:28	05/26/23 22:23	1

Lab Sample ID: LCSSRM 480-670924/2-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670924

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	66.81		mg/Kg		76.4	63.7 - 115.4		
Arsenic			129	99.25		mg/Kg		76.9	60.9 - 113.2		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-670924/2-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670924

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	169	145.9		mg/Kg		86.3	68.6 - 114.2
Cadmium	227	173.6		mg/Kg		76.5	64.8 - 110.1
Chromium	115	94.67		mg/Kg		82.3	62.4 - 115.7
Lead	74.8	78.74		mg/Kg		105.3	67.0 - 128.9
Selenium	246	184.9		mg/Kg		75.2	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-671298/1-A
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671298

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.2		18.3	4.2	ug/Kg		05/31/23 10:28	05/31/23 13:20	1

Lab Sample ID: LCSSRM 480-671298/2-A ^10
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671298

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12670		ug/Kg		61.2	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

GC/MS VOA

Prep Batch: 670778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	5035A_H	
480-209166-2	P5M2-2A	Total/NA	Solid	5035A_H	
480-209166-3	P5M1-12d	Total/NA	Solid	5035A_H	
MB 480-670778/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-670778/20-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 670877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	8260C	670778
480-209166-2	P5M2-2A	Total/NA	Solid	8260C	670778
480-209166-3	P5M1-12d	Total/NA	Solid	8260C	670778
MB 480-670778/1-A	Method Blank	Total/NA	Solid	8260C	670778
LCS 480-670778/20-A	Lab Control Sample	Total/NA	Solid	8260C	670778

GC Semi VOA

Prep Batch: 670772

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	3550C	
480-209166-2	P5M2-2A	Total/NA	Solid	3550C	
480-209166-3	P5M1-12d	Total/NA	Solid	3550C	
MB 480-670772/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-670772/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 670821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	8082A	670772
480-209166-2	P5M2-2A	Total/NA	Solid	8082A	670772
480-209166-3	P5M1-12d	Total/NA	Solid	8082A	670772
MB 480-670772/1-A	Method Blank	Total/NA	Solid	8082A	670772
LCS 480-670772/2-A	Lab Control Sample	Total/NA	Solid	8082A	670772

Metals

Prep Batch: 670924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	3050B	
480-209166-2	P5M2-2A	Total/NA	Solid	3050B	
480-209166-3	P5M1-12d	Total/NA	Solid	3050B	
MB 480-670924/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-670924/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 671199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	6010C	670924
480-209166-2	P5M2-2A	Total/NA	Solid	6010C	670924
480-209166-3	P5M1-12d	Total/NA	Solid	6010C	670924
MB 480-670924/1-A	Method Blank	Total/NA	Solid	6010C	670924
LCSSRM 480-670924/2-A	Lab Control Sample	Total/NA	Solid	6010C	670924

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Metals

Prep Batch: 671298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	7471B	
480-209166-2	P5M2-2A	Total/NA	Solid	7471B	
480-209166-3	P5M1-12d	Total/NA	Solid	7471B	
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 671461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	7471B	671298
480-209166-2	P5M2-2A	Total/NA	Solid	7471B	671298
480-209166-3	P5M1-12d	Total/NA	Solid	7471B	671298
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	671298
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	671298

General Chemistry

Analysis Batch: 670767

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209166-1	P5M1-2A	Total/NA	Solid	Moisture	
480-209166-2	P5M2-2A	Total/NA	Solid	Moisture	
480-209166-3	P5M1-12d	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Client Sample ID: P5M1-2A
Date Collected: 05/23/23 12:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	670767	JMM	EET BUF	05/24/23 15:52

Client Sample ID: P5M1-2A
Date Collected: 05/23/23 12:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-1
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670778	ATG	EET BUF	05/24/23 17:01
Total/NA	Analysis	8260C		1	670877	AXK	EET BUF	05/25/23 16:04
Total/NA	Prep	3550C			670772	SJM	EET BUF	05/24/23 16:03
Total/NA	Analysis	8082A		1	670821	W1T	EET BUF	05/25/23 13:23
Total/NA	Prep	3050B			670924	VAK	EET BUF	05/25/23 14:28
Total/NA	Analysis	6010C		1	671199	LMH	EET BUF	05/26/23 22:54
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:45

Client Sample ID: P5M2-2A
Date Collected: 05/23/23 10:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	670767	JMM	EET BUF	05/24/23 15:52

Client Sample ID: P5M2-2A
Date Collected: 05/23/23 10:30
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-2
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670778	ATG	EET BUF	05/24/23 17:01
Total/NA	Analysis	8260C		1	670877	AXK	EET BUF	05/25/23 16:27
Total/NA	Prep	3550C			670772	SJM	EET BUF	05/24/23 16:03
Total/NA	Analysis	8082A		1	670821	W1T	EET BUF	05/25/23 13:37
Total/NA	Prep	3050B			670924	VAK	EET BUF	05/25/23 14:28
Total/NA	Analysis	6010C		1	671199	LMH	EET BUF	05/26/23 22:58
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:46

Client Sample ID: P5M1-12d
Date Collected: 05/23/23 16:15
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	670767	JMM	EET BUF	05/24/23 15:52

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Client Sample ID: P5M1-12d

Date Collected: 05/23/23 16:15
Date Received: 05/24/23 10:00

Lab Sample ID: 480-209166-3

Matrix: Solid
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670778	ATG	EET BUF	05/24/23 17:01
Total/NA	Analysis	8260C		1	670877	AXK	EET BUF	05/25/23 16:50
Total/NA	Prep	3550C			670772	SJM	EET BUF	05/24/23 16:03
Total/NA	Analysis	8082A		1	670821	W1T	EET BUF	05/25/23 13:51
Total/NA	Prep	3050B			670924	VAK	EET BUF	05/25/23 14:28
Total/NA	Analysis	6010C		1	671199	LMH	EET BUF	05/26/23 23:02
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:48

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209166-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209166-1	P5M1-2A	Solid	05/23/23 12:30	05/24/23 10:00
480-209166-2	P5M2-2A	Solid	05/23/23 10:30	05/24/23 10:00
480-209166-3	P5M1-12d	Solid	05/23/23 16:15	05/24/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-209166-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716 691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	**Project Manager:** Dan Roche		COC No:
Waste Management	Email: droche@wm.com	Site Contact: Eric Oelkers	Date: 5/23/23	___1___ of ___1___ COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550	Lab Contact :Katie Proulx	Carrier:FedEx	TALS Project #:
Menomonee Falls, WI 53051	**Analysis Turnaround Time**			Sampler: Joe Stone
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below ___5 days_____			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐ 1 week			Job / SDG No.:
P O # 48025931	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	Sample Specific Notes:
PSM1-2A	5/23	12:30	G	S	3	N	N	X	X	16.9 PPM
~~Rdup~~ PSM2-2A	5/23	10:30	G	S	3	N	N	X	X	38.3 PPM
PSM1-12d	5/23	16:15	G	S	3	N	N	X	X	3.5 PPM

480-209166 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____ 1 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

3.9 # ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:_____ Corr'd:_____		Therm ID No.:_____
Relinquished by: Joe Stone (SCS)	Company: SCS Engineers	Date/Time: 17:00	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TVA	Date/Time: 5/24/23 1000

5/31/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-209166-1

Login Number: 209166
List Number: 1
Creator: Sabuda, Brendan D

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9 #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRACORES FROZEN @ 1220 5/24
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 5/31/2023 8:15:20 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-209219-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Job ID: 480-209219-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209219-1

Comments
No additional comments.

Receipt
The samples were received on 5/25/2023 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The following samples were analyzed using medium level soil analysis: P5M1-1A (480-209219-1) and P5M2-1A (480-209219-2).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-671052 recovered above the upper control limit for 2,2-Dichloropropane and Chloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: P5M1-1A (480-209219-1) and P5M2-1A (480-209219-2).

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

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

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Client Sample ID: P5M1-1A — Lab Sample ID: 480-209219-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	40	J B	110	22	ug/Kg	1	☼	8260C	Total/NA
Arsenic	3.7		2.3	0.45	mg/Kg	1	☼	6010C	Total/NA
Barium	101		0.56	0.12	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.21	J	0.23	0.034	mg/Kg	1	☼	6010C	Total/NA
Chromium	16.9		0.56	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	9.0		1.1	0.27	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.50	J	4.5	0.45	mg/Kg	1	☼	6010C	Total/NA
Mercury	12.4	J	24.0	5.5	ug/Kg	1	☼	7471B	Total/NA

Client Sample ID: P5M2-1A — Lab Sample ID: 480-209219-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	29	J B	110	22	ug/Kg	1	☼	8260C	Total/NA
Arsenic	2.6		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	48.7		0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.13	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	10		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	5.4		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Mercury	6.2	J	21.6	5.0	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Client Sample ID: P5M1-1A
Date Collected: 05/24/23 12:00
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-1
Matrix: Solid
Percent Solids: 83.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		110	32	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1,1-Trichloroethane	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1,2,2-Tetrachloroethane	<18		110	18	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1,2-Trichloroethane	<24		110	24	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1-Dichloroethane	<35		110	35	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1-Dichloroethene	<39		110	39	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,1-Dichloropropene	<28		110	28	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2,3-Trichlorobenzene	<52		110	52	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2,3-Trichloropropane	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2,4-Trichlorobenzene	<42		110	42	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2,4-Trimethylbenzene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2-Dibromo-3-Chloropropane	<56		110	56	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2-Dichlorobenzene	<29		110	29	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2-Dichloroethane	<46		110	46	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2-Dichloropropane	<18		110	18	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,3,5-Trimethylbenzene	<34		110	34	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,3-Dichlorobenzene	<30		110	30	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,3-Dichloropropane	<20		110	20	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,4-Dichlorobenzene	<16		110	16	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
2,2-Dichloropropane	<25	^c	110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
2-Chlorotoluene	<43		110	43	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
4-Chlorotoluene	<23		110	23	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
p-Isopropyltoluene	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Benzene	<21		110	21	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Bromobenzene	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Bromoform	<56		110	56	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Bromomethane	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Carbon tetrachloride	<29		110	29	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Chlorobenzene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Bromochloromethane	<40		110	40	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Dibromochloromethane	<54		110	54	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Chloroethane	<23		110	23	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Chloroform	<77		110	77	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Chloromethane	<27	^c	110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
cis-1,2-Dichloroethene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Dibromomethane	<36		110	36	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Bromodichloromethane	<22		110	22	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Dichlorodifluoromethane	<49		110	49	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Ethylbenzene	<33		110	33	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
1,2-Dibromoethane	<20		110	20	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Hexachlorobutadiene	<44		110	44	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Isopropyl ether	<59		110	59	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Isopropylbenzene	<17		110	17	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Methyl tert-butyl ether	<42		110	42	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Methylene Chloride	**40**	**J B**	110	22	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
m&p-Xylene	<62		220	62	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Naphthalene	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
n-Butylbenzene	<33		110	33	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
N-Propylbenzene	<29		110	29	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1

Client Sample ID: P5M1-1A

Date Collected: 05/24/23 12:00
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-1

Matrix: Solid
Percent Solids: 83.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
sec-Butylbenzene	<41		110	41	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Tetrachloroethene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Toluene	<30		110	30	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
trans-1,2-Dichloroethene	<26		110	26	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
trans-1,3-Dichloropropene	<11		110	11	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Trichloroethene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Trichlorofluoromethane	<53		110	53	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Vinyl chloride	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Xylenes, Total	<62		220	62	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
cis-1,3-Dichloropropene	<27		110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
Styrene	<27		110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1
tert-Butylbenzene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*05/25/23 18:39*	*05/26/23 14:51*	*1*
4-Bromofluorobenzene (Surr)	*114*		*49 - 148*	*05/25/23 18:39*	*05/26/23 14:51*	*1*
Toluene-d8 (Surr)	*108*		*50 - 149*	*05/25/23 18:39*	*05/26/23 14:51*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*	*05/25/23 18:39*	*05/26/23 14:51*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<45		230	45	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1221	<45		230	45	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1232	<45		230	45	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1242	<45		230	45	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1248	<45		230	45	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1254	<110		230	110	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1
PCB-1260	<110		230	110	ug/Kg	☼	05/26/23 08:41	05/27/23 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*05/26/23 08:41*	*05/27/23 00:44*	*1*
DCB Decachlorobiphenyl	*107*		*65 - 174*	*05/26/23 08:41*	*05/27/23 00:44*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.23		0.68	0.23	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Arsenic	**3.7**		2.3	0.45	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Barium	**101**		0.56	0.12	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Cadmium	**0.21**	**J**	0.23	0.034	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Chromium	**16.9**		0.56	0.23	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Lead	**9.0**		1.1	0.27	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1
Selenium	**0.50**	**J**	4.5	0.45	mg/Kg	☼	05/25/23 14:28	05/27/23 00:19	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**12.4**	**J**	24.0	5.5	ug/Kg	☼	05/31/23 10:28	05/31/23 13:53	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Client Sample ID: P5M2-1A
Date Collected: 05/24/23 14:45
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-2
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<32		110	32	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1,1-Trichloroethane	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1,2,2-Tetrachloroethane	<18		110	18	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1,2-Trichloroethane	<24		110	24	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1-Dichloroethane	<35		110	35	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1-Dichloroethene	<39		110	39	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,1-Dichloropropene	<28		110	28	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2,3-Trichlorobenzene	<52		110	52	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2,3-Trichloropropane	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2,4-Trichlorobenzene	<43		110	43	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2,4-Trimethylbenzene	<32		110	32	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2-Dibromo-3-Chloropropane	<57		110	57	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2-Dichlorobenzene	<29		110	29	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2-Dichloroethane	<46		110	46	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2-Dichloropropane	<18		110	18	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,3,5-Trimethylbenzene	<34		110	34	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,3-Dichlorobenzene	<30		110	30	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,3-Dichloropropane	<21		110	21	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,4-Dichlorobenzene	<16		110	16	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
2,2-Dichloropropane	<26	^c	110	26	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
2-Chlorotoluene	<43		110	43	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
4-Chlorotoluene	<23		110	23	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
p-Isopropyltoluene	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Benzene	<21		110	21	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Bromobenzene	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Bromoform	<57		110	57	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Bromomethane	<25		110	25	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Carbon tetrachloride	<29		110	29	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Chlorobenzene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Bromochloromethane	<41		110	41	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Dibromochloromethane	<55		110	55	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Chloroethane	<24		110	24	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Chloroform	<78		110	78	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Chloromethane	<27	^c	110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
cis-1,2-Dichloroethene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Dibromomethane	<37		110	37	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Bromodichloromethane	<23		110	23	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Dichlorodifluoromethane	<49		110	49	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Ethylbenzene	<33		110	33	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
1,2-Dibromoethane	<20		110	20	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Hexachlorobutadiene	<45		110	45	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Isopropyl ether	<60		110	60	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Isopropylbenzene	<17		110	17	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Methyl tert-butyl ether	<43		110	43	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Methylene Chloride	**29**	**J B**	110	22	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
m&p-Xylene	<63		230	63	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Naphthalene	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
n-Butylbenzene	<33		110	33	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
N-Propylbenzene	<30		110	30	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1

Client Sample ID: P5M2-1A
Date Collected: 05/24/23 14:45
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-2
Matrix: Solid
Percent Solids: 87.2

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
sec-Butylbenzene	<42		110	42	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Tetrachloroethene	<15		110	15	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Toluene	<30		110	30	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
trans-1,2-Dichloroethene	<27		110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
trans-1,3-Dichloropropene	<11		110	11	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Trichloroethene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Trichlorofluoromethane	<53		110	53	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Vinyl chloride	<38		110	38	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Xylenes, Total	<63		230	63	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
cis-1,3-Dichloropropene	<27		110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
Styrene	<27		110	27	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1
tert-Butylbenzene	<31		110	31	ug/Kg	☼	05/25/23 18:39	05/26/23 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*05/25/23 18:39*	*05/26/23 15:14*	*1*
4-Bromofluorobenzene (Surr)	*109*		*49 - 148*	*05/25/23 18:39*	*05/26/23 15:14*	*1*
Toluene-d8 (Surr)	*104*		*50 - 149*	*05/25/23 18:39*	*05/26/23 15:14*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*05/25/23 18:39*	*05/26/23 15:14*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<41		210	41	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1221	<41		210	41	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1232	<41		210	41	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1242	<41		210	41	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1248	<41		210	41	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1254	<99		210	99	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1
PCB-1260	<99		210	99	ug/Kg	☼	05/26/23 08:41	05/27/23 00:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*113*		*60 - 154*	*05/26/23 08:41*	*05/27/23 00:57*	*1*
DCB Decachlorobiphenyl	*117*		*65 - 174*	*05/26/23 08:41*	*05/27/23 00:57*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.71	0.24	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Arsenic	**2.6**		2.4	0.48	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Barium	**48.7**		0.60	0.13	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Cadmium	**0.13**	**J**	0.24	0.036	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Chromium	**10**		0.60	0.24	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Lead	**5.4**		1.2	0.29	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1
Selenium	<0.48		4.8	0.48	mg/Kg	☼	05/25/23 14:28	05/27/23 00:23	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**6.2**	**J**	21.6	5.0	ug/Kg	☼	05/31/23 10:28	05/31/23 13:54	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-209219-1	P5M1-1A	98	114	108	97
480-209219-2	P5M2-1A	97	109	104	99
LCS 480-670964/2-A	Lab Control Sample	100	100	111	98
MB 480-670964/1-A	Method Blank	101	110	113	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-209219-1	P5M1-1A	104	107
480-209219-2	P5M2-1A	113	117
LCS 480-671003/2-A	Lab Control Sample	123	134
LCSD 480-671003/3-A	Lab Control Sample Dup	133	143
MB 480-671003/1-A	Method Blank	114	120

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-670964/1-A
Matrix: Solid
Analysis Batch: 671052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670964

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Benzene	<19		100	19	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Bromobenzene	<22		100	22	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Bromoform	<50		100	50	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Bromomethane	<22		100	22	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Chlorobenzene	<13		100	13	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Bromochloromethane	<36		100	36	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Dibromochloromethane	<48		100	48	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Chloroethane	<21		100	21	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Chloroform	<69		100	69	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Chloromethane	<24		100	24	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Dibromomethane	<33		100	33	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Bromodichloromethane	<20		100	20	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Ethylbenzene	<29		100	29	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Isopropyl ether	<53		100	53	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Isopropylbenzene	<15		100	15	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Methylene Chloride	34.2	J	100	20	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
m&p-Xylene	<55		200	55	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Naphthalene	<34		100	34	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
n-Butylbenzene	<29		100	29	ug/Kg		05/25/23 18:39	05/26/23 14:28	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-670964/1-A
Matrix: Solid
Analysis Batch: 671052

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670964

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
o-Xylene	<13		100	13	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Tetrachloroethene	<13		100	13	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Toluene	<27		100	27	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Trichloroethene	<28		100	28	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Vinyl chloride	<34		100	34	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Xylenes, Total	<55		200	55	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
Styrene	<24		100	24	ug/Kg		05/25/23 18:39	05/26/23 14:28	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/25/23 18:39	05/26/23 14:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*	*05/25/23 18:39*	*05/26/23 14:28*	*1*
4-Bromofluorobenzene (Surr)	*110*		*49 - 148*	*05/25/23 18:39*	*05/26/23 14:28*	*1*
Toluene-d8 (Surr)	*113*		*50 - 149*	*05/25/23 18:39*	*05/26/23 14:28*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/25/23 18:39*	*05/26/23 14:28*	*1*

Lab Sample ID: LCS 480-670964/2-A
Matrix: Solid
Analysis Batch: 671052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2470		ug/Kg		99	78 - 120
1,1,1-Trichloroethane	2500	2540		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2610		ug/Kg		104	73 - 120
1,1,2-Trichloroethane	2500	2840		ug/Kg		113	80 - 120
1,1-Dichloroethane	2500	2620		ug/Kg		105	78 - 121
1,1-Dichloroethene	2500	2320		ug/Kg		93	48 - 133
1,1-Dichloropropene	2500	2740		ug/Kg		109	75 - 121
1,2,3-Trichlorobenzene	2500	2250		ug/Kg		90	57 - 150
1,2,3-Trichloropropane	2500	2550		ug/Kg		102	75 - 120
1,2,4-Trichlorobenzene	2500	2360		ug/Kg		94	70 - 140
1,2,4-Trimethylbenzene	2500	2670		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2130		ug/Kg		85	56 - 122
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2300		ug/Kg		92	74 - 127
1,2-Dichloropropane	2500	2460		ug/Kg		98	80 - 120
1,3,5-Trimethylbenzene	2500	2780		ug/Kg		111	79 - 120
1,3-Dichlorobenzene	2500	2620		ug/Kg		105	80 - 120
1,3-Dichloropropane	2500	2510		ug/Kg		100	80 - 120
1,4-Dichlorobenzene	2500	2570		ug/Kg		103	80 - 120
2,2-Dichloropropane	2500	2850		ug/Kg		114	58 - 142
2-Chlorotoluene	2500	2690		ug/Kg		107	72 - 122
4-Chlorotoluene	2500	2780		ug/Kg		111	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-670964/2-A
Matrix: Solid
Analysis Batch: 671052

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670964

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2740		ug/Kg		110	80 - 120
Benzene	2500	2530		ug/Kg		101	77 - 125
Bromobenzene	2500	2690		ug/Kg		107	78 - 120
Bromoform	2500	2140		ug/Kg		86	48 - 125
Bromomethane	2500	2270		ug/Kg		91	39 - 149
Carbon tetrachloride	2500	2510		ug/Kg		100	54 - 135
Chlorobenzene	2500	2650		ug/Kg		106	76 - 126
Bromochloromethane	2500	2380		ug/Kg		95	79 - 120
Dibromochloromethane	2500	2460		ug/Kg		98	64 - 120
Chloroethane	2500	2100		ug/Kg		84	23 - 150
Chloroform	2500	2430		ug/Kg		97	78 - 120
Chloromethane	2500	2550		ug/Kg		102	61 - 124
cis-1,2-Dichloroethene	2500	2490		ug/Kg		100	79 - 124
Dibromomethane	2500	2440		ug/Kg		97	79 - 120
Bromodichloromethane	2500	2340		ug/Kg		94	71 - 121
Dichlorodifluoromethane	2500	2390		ug/Kg		96	10 - 150
Ethylbenzene	2500	2620		ug/Kg		105	78 - 124
1,2-Dibromoethane	2500	2410		ug/Kg		97	80 - 120
Hexachlorobutadiene	2500	2350		ug/Kg		94	61 - 149
Isopropylbenzene	2500	2620		ug/Kg		105	76 - 120
Methyl tert-butyl ether	2500	2380		ug/Kg		95	67 - 137
Methylene Chloride	2500	2360	B	ug/Kg		95	75 - 118
m&p-Xylene	2500	2610		ug/Kg		105	77 - 125
Naphthalene	2500	2300		ug/Kg		92	65 - 142
n-Butylbenzene	2500	2690		ug/Kg		108	80 - 120
N-Propylbenzene	2500	2840		ug/Kg		114	76 - 120
o-Xylene	2500	2620		ug/Kg		105	80 - 124
sec-Butylbenzene	2500	2770		ug/Kg		111	79 - 120
Tetrachloroethene	2500	3000		ug/Kg		120	73 - 133
Toluene	2500	2910		ug/Kg		116	75 - 124
trans-1,2-Dichloroethene	2500	2630		ug/Kg		105	74 - 129
trans-1,3-Dichloropropene	2500	2660		ug/Kg		106	73 - 120
Trichloroethene	2500	2520		ug/Kg		101	75 - 131
Trichlorofluoromethane	2500	2460		ug/Kg		98	29 - 158
Vinyl chloride	2500	2450		ug/Kg		98	59 - 124
cis-1,3-Dichloropropene	2500	2320		ug/Kg		93	75 - 121
Styrene	2500	2630		ug/Kg		105	80 - 120
tert-Butylbenzene	2500	2660		ug/Kg		106	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*
4-Bromofluorobenzene (Surr)	*100*		*49 - 148*
Toluene-d8 (Surr)	*111*		*50 - 149*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-671003/1-A
Matrix: Solid
Analysis Batch: 671077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671003

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<36		190	36	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1221	<36		190	36	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1232	<36		190	36	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1242	<36		190	36	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1248	<36		190	36	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1254	<87		190	87	ug/Kg		05/26/23 08:41	05/27/23 00:04	1
PCB-1260	<87		190	87	ug/Kg		05/26/23 08:41	05/27/23 00:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*114*		*60 - 154*	*05/26/23 08:41*	*05/27/23 00:04*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*05/26/23 08:41*	*05/27/23 00:04*	*1*

Lab Sample ID: LCS 480-671003/2-A
Matrix: Solid
Analysis Batch: 671077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671003

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2380	3240		ug/Kg		136	51 - 185		
PCB-1260			2380	3070		ug/Kg		129	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*123*		*60 - 154*
DCB Decachlorobiphenyl	*134*		*65 - 174*

Lab Sample ID: LCSD 480-671003/3-A
Matrix: Solid
Analysis Batch: 671077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671003

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
PCB-1016			2210	3150		ug/Kg		143	51 - 185	3	50
PCB-1260			2210	2960		ug/Kg		134	61 - 184	4	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*133*		*60 - 154*
DCB Decachlorobiphenyl	*143*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-670924/1-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670924

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Arsenic	<0.40		2.0	0.40	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Barium	<0.11		0.50	0.11	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Cadmium	<0.030		0.20	0.030	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Chromium	<0.20		0.50	0.20	mg/Kg		05/25/23 14:28	05/26/23 22:23	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-670924/1-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670924

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.24		0.99	0.24	mg/Kg		05/25/23 14:28	05/26/23 22:23	1
Selenium	<0.40		4.0	0.40	mg/Kg		05/25/23 14:28	05/26/23 22:23	1

Lab Sample ID: LCSSRM 480-670924/2-A
Matrix: Solid
Analysis Batch: 671199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670924

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	87.5	66.81		mg/Kg		76.4	63.7 - 115.4
Arsenic	129	99.25		mg/Kg		76.9	60.9 - 113.2
Barium	169	145.9		mg/Kg		86.3	68.6 - 114.2
Cadmium	227	173.6		mg/Kg		76.5	64.8 - 110.1
Chromium	115	94.67		mg/Kg		82.3	62.4 - 115.7
Lead	74.8	78.74		mg/Kg		105.3	67.0 - 128.9
Selenium	246	184.9		mg/Kg		75.2	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-671298/1-A
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671298

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.2		18.3	4.2	ug/Kg		05/31/23 10:28	05/31/23 13:20	1

Lab Sample ID: LCSSRM 480-671298/2-A ^10
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671298

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12670		ug/Kg		61.2	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

GC/MS VOA

Prep Batch: 670964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	5035A_H	
480-209219-2	P5M2-1A	Total/NA	Solid	5035A_H	
MB 480-670964/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-670964/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 671052

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	8260C	670964
480-209219-2	P5M2-1A	Total/NA	Solid	8260C	670964
MB 480-670964/1-A	Method Blank	Total/NA	Solid	8260C	670964
LCS 480-670964/2-A	Lab Control Sample	Total/NA	Solid	8260C	670964

GC Semi VOA

Prep Batch: 671003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	3550C	
480-209219-2	P5M2-1A	Total/NA	Solid	3550C	
MB 480-671003/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-671003/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-671003/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 671077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	8082A	671003
480-209219-2	P5M2-1A	Total/NA	Solid	8082A	671003
MB 480-671003/1-A	Method Blank	Total/NA	Solid	8082A	671003
LCS 480-671003/2-A	Lab Control Sample	Total/NA	Solid	8082A	671003
LCSD 480-671003/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	671003

Metals

Prep Batch: 670924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	3050B	
480-209219-2	P5M2-1A	Total/NA	Solid	3050B	
MB 480-670924/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-670924/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 671199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	6010C	670924
480-209219-2	P5M2-1A	Total/NA	Solid	6010C	670924
MB 480-670924/1-A	Method Blank	Total/NA	Solid	6010C	670924
LCSSRM 480-670924/2-A	Lab Control Sample	Total/NA	Solid	6010C	670924

Prep Batch: 671298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	7471B	
480-209219-2	P5M2-1A	Total/NA	Solid	7471B	
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Metals

Analysis Batch: 671461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	7471B	671298
480-209219-2	P5M2-1A	Total/NA	Solid	7471B	671298
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	671298
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	671298

General Chemistry

Analysis Batch: 670958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209219-1	P5M1-1A	Total/NA	Solid	Moisture	
480-209219-2	P5M2-1A	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Client Sample ID: P5M1-1A
Date Collected: 05/24/23 12:00
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	670958	KER	EET BUF	05/25/23 17:14

Client Sample ID: P5M1-1A
Date Collected: 05/24/23 12:00
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-1
Matrix: Solid
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670964	ATG	EET BUF	05/25/23 18:39
Total/NA	Analysis	8260C		1	671052	AXK	EET BUF	05/26/23 14:51
Total/NA	Prep	3550C			671003	VXF	EET BUF	05/26/23 08:41
Total/NA	Analysis	8082A		1	671077	NC	EET BUF	05/27/23 00:44
Total/NA	Prep	3050B			670924	VAK	EET BUF	05/25/23 14:28
Total/NA	Analysis	6010C		1	671199	LMH	EET BUF	05/27/23 00:19
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:53

Client Sample ID: P5M2-1A
Date Collected: 05/24/23 14:45
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	670958	KER	EET BUF	05/25/23 17:14

Client Sample ID: P5M2-1A
Date Collected: 05/24/23 14:45
Date Received: 05/25/23 09:30

Lab Sample ID: 480-209219-2
Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			670964	ATG	EET BUF	05/25/23 18:39
Total/NA	Analysis	8260C		1	671052	AXK	EET BUF	05/26/23 15:14
Total/NA	Prep	3550C			671003	VXF	EET BUF	05/26/23 08:41
Total/NA	Analysis	8082A		1	671077	NC	EET BUF	05/27/23 00:57
Total/NA	Prep	3050B			670924	VAK	EET BUF	05/25/23 14:28
Total/NA	Analysis	6010C		1	671199	LMH	EET BUF	05/27/23 00:23
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:54

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209219-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209219-1	P5M1-1A	Solid	05/24/23 12:00	05/25/23 09:30
480-209219-2	P5M2-1A	Solid	05/24/23 14:45	05/25/23 09:30

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-209219-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 5/24	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler: Joe Stone
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐ 1 week			Job / SDG No.:
P O # 48025931	☐ 2 days			
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6010C, 7471B, 8082A PCBs, 8 RC	8260C - vocs	Sample Specific Notes:
PSM1-1A	5/24	12:00	G	S	3	N	N	X	X	4.3 PPM
PSM2-1A	5/24	14:45	G	S	3	N	N	X	X	2.7 PPM
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other								1	1	

480-209219 Chain of Custody

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

2.8 # ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by: Joe Stone (SCS)	Company: SCS Engineers	Date/Time: 5/24/23 16:30	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: TA	Date/Time: 5/25/23 930

5/31/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-209219-1

Login Number: 209219
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREZZE 5-25-23 12:15
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

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JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-209253-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

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Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-209253-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-209253-1

Comments
No additional comments.

Receipt
The samples were received on 5/26/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8º C.

GC/MS VOA
Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-671106 and analytical batch 480-671242 recovered outside control limits for the following analytes: 1,1,2-Trichloroethane and Bromobenzene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: P5M1-11C (480-209253-1). Elevated reporting limits (RLs) are provided.

Method 8260C: The following sample was analyzed using medium level soil analysis because it has a medium level only Test.

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

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

Metals
Method 6010C: The low level continuing calibration verification (CCVL 480-671538/41) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples P5M1-11C (480-209253-1) and P5M2-5A (480-209253-2) was not performed.

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

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Client Sample ID: P5M1-11C — Lab Sample ID: 480-209253-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	42	J	100	15	ug/Kg	1	☼	8260C	Total/NA
Benzene	62	J	100	20	ug/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	420		100	16	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	22	J B	100	21	ug/Kg	1	☼	8260C	Total/NA
N-Propylbenzene	240		100	27	ug/Kg	1	☼	8260C	Total/NA
Arsenic	1.7	J	2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	34.2	^	0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.24	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.2		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.8		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Selenium	0.89	J	4.7	0.47	mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: P5M2-5A — Lab Sample ID: 480-209253-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2		2.4	0.48	mg/Kg	1	☼	6010C	Total/NA
Barium	96.2	^	0.60	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.20	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Chromium	19.7		0.60	0.24	mg/Kg	1	☼	6010C	Total/NA
Lead	8.7		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Selenium	1.3	J	4.8	0.48	mg/Kg	1	☼	6010C	Total/NA
Mercury	11.4	J	23.3	5.4	ug/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Client Sample ID: P5M1-11C
Date Collected: 05/25/23 08:30
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-1
Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<30		100	30	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1,1-Trichloroethane	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1,2,2-Tetrachloroethane	<17		100	17	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1,2-Trichloroethane	<22	*	100	22	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1-Dichloroethane	<32		100	32	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1-Dichloroethene	<36		100	36	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,1-Dichloropropene	<26		100	26	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2,3-Trichlorobenzene	<48		100	48	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2,3-Trichloropropane	<23		100	23	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2,4-Trichlorobenzene	<39		100	39	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2,4-Trimethylbenzene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2-Dibromo-3-Chloropropane	<52		100	52	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2-Dichloroethane	<42		100	42	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2-Dichloropropane	<17		100	17	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,3,5-Trimethylbenzene	<31		100	31	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,3-Dichlorobenzene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,3-Dichloropropane	<19		100	19	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,4-Dichlorobenzene	**42**	**J**	100	15	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
2,2-Dichloropropane	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
2-Chlorotoluene	<40		100	40	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
4-Chlorotoluene	<21		100	21	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
p-Isopropyltoluene	<35		100	35	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Benzene	**62**	**J**	100	20	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Bromobenzene	<23	*	100	23	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Bromoform	<52		100	52	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Bromomethane	<23		100	23	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Carbon tetrachloride	<26		100	26	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Chlorobenzene	<14		100	14	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Bromochloromethane	<37		100	37	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Dibromochloromethane	<50		100	50	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Chloroethane	<22		100	22	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Chloroform	<71		100	71	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Chloromethane	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
cis-1,2-Dichloroethene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Dibromomethane	<34		100	34	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Bromodichloromethane	<21		100	21	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Dichlorodifluoromethane	<45		100	45	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Ethylbenzene	<30		100	30	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
1,2-Dibromoethane	<18		100	18	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Hexachlorobutadiene	<41		100	41	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Isopropyl ether	<55		100	55	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Isopropylbenzene	**420**		100	16	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Methyl tert-butyl ether	<39		100	39	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Methylene Chloride	**22**	**J B**	100	21	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
m&p-Xylene	<57		210	57	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Naphthalene	<35		100	35	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
n-Butylbenzene	<30		100	30	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
N-Propylbenzene	**240**		100	27	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1

Client Sample ID: P5M1-11C

Date Collected: 05/25/23 08:30
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-1

Matrix: Solid
Percent Solids: 84.4

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<13		100	13	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
sec-Butylbenzene	<38		100	38	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Tetrachloroethene	<14		100	14	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Toluene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
trans-1,3-Dichloropropene	<10		100	10	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Trichloroethene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Trichlorofluoromethane	<49		100	49	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Vinyl chloride	<35		100	35	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Xylenes, Total	<57		210	57	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
cis-1,3-Dichloropropene	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
Styrene	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1
tert-Butylbenzene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*53 - 146*	*05/26/23 18:02*	*05/30/23 17:58*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*05/26/23 18:02*	*05/30/23 17:58*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/26/23 18:02*	*05/30/23 17:58*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*05/26/23 18:02*	*05/30/23 17:58*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<58		300	58	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1221	<58		300	58	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1232	<58		300	58	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1242	<58		300	58	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1248	<58		300	58	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1254	<140		300	140	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1
PCB-1260	<140		300	140	ug/Kg	☼	05/31/23 07:05	05/31/23 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*126*		*60 - 154*	*05/31/23 07:05*	*05/31/23 17:05*	*1*
DCB Decachlorobiphenyl	*125*		*65 - 174*	*05/31/23 07:05*	*05/31/23 17:05*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.71	0.24	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Arsenic	**1.7**	**J**	2.4	0.47	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Barium	**34.2**	**^**	0.59	0.13	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Cadmium	**0.18**	**J**	0.24	0.035	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Chromium	**9.2**		0.59	0.24	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Lead	**8.8**		1.2	0.28	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1
Selenium	**0.89**	**J**	4.7	0.47	mg/Kg	☼	05/30/23 10:20	05/31/23 20:56	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<5.2		22.8	5.2	ug/Kg	☼	05/31/23 10:28	05/31/23 13:56	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Client Sample ID: P5M2-5A
Date Collected: 05/25/23 14:00
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1,2-Trichloroethane	<21	*	100	21	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1-Dichloroethane	<31		100	31	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1-Dichloroethene	<35		100	35	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,1-Dichloropropene	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2-Dichlorobenzene	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2-Dichloroethane	<41		100	41	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2-Dichloropropane	<16		100	16	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,3-Dichloropropane	<18		100	18	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
2,2-Dichloropropane	<23		100	23	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
2-Chlorotoluene	<38		100	38	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
4-Chlorotoluene	<20		100	20	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
p-Isopropyltoluene	<34		100	34	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Benzene	<19		100	19	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Bromobenzene	<22	*	100	22	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Bromoform	<50		100	50	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Bromomethane	<22		100	22	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Carbon tetrachloride	<25		100	25	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Chlorobenzene	<13		100	13	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Bromochloromethane	<36		100	36	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Dibromochloromethane	<48		100	48	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Chloroethane	<21		100	21	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Chloroform	<69		100	69	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Chloromethane	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Dibromomethane	<32		100	32	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Bromodichloromethane	<20		100	20	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Dichlorodifluoromethane	<44		100	44	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Ethylbenzene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
1,2-Dibromoethane	<17		100	17	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Hexachlorobutadiene	<40		100	40	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Isopropyl ether	<53		100	53	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Isopropylbenzene	<15		100	15	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Methyl tert-butyl ether	<38		100	38	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Methylene Chloride	<20		100	20	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
m&p-Xylene	<55		200	55	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Naphthalene	<34		100	34	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
n-Butylbenzene	<29		100	29	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
N-Propylbenzene	<26		100	26	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1

Client Sample ID: P5M2-5A
Date Collected: 05/25/23 14:00
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-2
Matrix: Solid
Percent Solids: 84.9

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<13		100	13	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
sec-Butylbenzene	<37		100	37	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Tetrachloroethene	<13		100	13	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Toluene	<27		100	27	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Trichloroethene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Trichlorofluoromethane	<47		100	47	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Vinyl chloride	<33		100	33	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Xylenes, Total	<55		200	55	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
Styrene	<24		100	24	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1
tert-Butylbenzene	<28		100	28	ug/Kg	☼	05/26/23 18:02	05/30/23 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*53 - 146*	*05/26/23 18:02*	*05/30/23 18:21*	*1*
4-Bromofluorobenzene (Surr)	*102*		*49 - 148*	*05/26/23 18:02*	*05/30/23 18:21*	*1*
Toluene-d8 (Surr)	*102*		*50 - 149*	*05/26/23 18:02*	*05/30/23 18:21*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*05/26/23 18:02*	*05/30/23 18:21*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<51		260	51	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1221	<51		260	51	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1232	<51		260	51	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1242	<51		260	51	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1248	<51		260	51	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1254	<120		260	120	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1
PCB-1260	<120		260	120	ug/Kg	☼	05/31/23 07:05	05/31/23 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*118*		*60 - 154*	*05/31/23 07:05*	*05/31/23 17:18*	*1*
DCB Decachlorobiphenyl	*120*		*65 - 174*	*05/31/23 07:05*	*05/31/23 17:18*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.24		0.72	0.24	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Arsenic	**3.2**		2.4	0.48	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Barium	**96.2**	**^**	0.60	0.13	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Cadmium	**0.20**	**J**	0.24	0.036	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Chromium	**19.7**		0.60	0.24	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Lead	**8.7**		1.2	0.29	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1
Selenium	**1.3**	**J**	4.8	0.48	mg/Kg	☼	05/30/23 10:20	05/31/23 21:00	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**11.4**	**J**	23.3	5.4	ug/Kg	☼	05/31/23 10:28	05/31/23 13:57	1

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-209253-1	P5M1-11C	105	102	101	103
480-209253-2	P5M2-5A	104	102	102	102
LCS 480-671106/2-A	Lab Control Sample	101	101	112	102
MB 480-671106/1-A	Method Blank	99	99	101	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

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

		Percent Surrogate Recovery (Acceptance Limits)	
		TCX2	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(65-174)
480-209253-1	P5M1-11C	126	125
480-209253-2	P5M2-5A	118	120
LCS 480-671324/2-A	Lab Control Sample	136	137
MB 480-671324/1-A	Method Blank	106	106

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-671106/1-A
Matrix: Solid
Analysis Batch: 671242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671106

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1-Dichloroethane	<31		100	31	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1-Dichloroethene	<35		100	35	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,1-Dichloropropene	<25		100	25	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2-Dichloroethane	<41		100	41	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2-Dichloropropane	<16		100	16	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,3-Dichloropropane	<18		100	18	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
2,2-Dichloropropane	<23		100	23	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
2-Chlorotoluene	<38		100	38	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
4-Chlorotoluene	<20		100	20	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
p-Isopropyltoluene	<34		100	34	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Benzene	<19		100	19	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Bromobenzene	<22		100	22	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Bromoform	<50		100	50	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Bromomethane	<22		100	22	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Carbon tetrachloride	<26		100	26	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Chlorobenzene	<13		100	13	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Bromochloromethane	<36		100	36	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Dibromochloromethane	<48		100	48	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Chloroethane	<21		100	21	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Chloroform	<69		100	69	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Chloromethane	<24		100	24	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Dibromomethane	<33		100	33	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Bromodichloromethane	<20		100	20	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Ethylbenzene	<29		100	29	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
1,2-Dibromoethane	<18		100	18	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Hexachlorobutadiene	<40		100	40	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Isopropyl ether	<53		100	53	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Isopropylbenzene	<15		100	15	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Methylene Chloride	25.0	J	100	20	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
m&p-Xylene	<55		200	55	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Naphthalene	<34		100	34	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
n-Butylbenzene	<29		100	29	ug/Kg		05/26/23 18:02	05/30/23 17:35	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-671106/1-A
Matrix: Solid
Analysis Batch: 671242

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671106

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
o-Xylene	<13		100	13	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
sec-Butylbenzene	<37		100	37	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Tetrachloroethene	<13		100	13	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Toluene	<27		100	27	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Trichloroethene	<28		100	28	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Trichlorofluoromethane	<47		100	47	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Vinyl chloride	<34		100	34	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Xylenes, Total	<55		200	55	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
Styrene	<24		100	24	ug/Kg		05/26/23 18:02	05/30/23 17:35	1
tert-Butylbenzene	<28		100	28	ug/Kg		05/26/23 18:02	05/30/23 17:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*05/26/23 18:02*	*05/30/23 17:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*49 - 148*	*05/26/23 18:02*	*05/30/23 17:35*	*1*
Toluene-d8 (Surr)	*101*		*50 - 149*	*05/26/23 18:02*	*05/30/23 17:35*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*05/26/23 18:02*	*05/30/23 17:35*	*1*

Lab Sample ID: LCS 480-671106/2-A
Matrix: Solid
Analysis Batch: 671242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2600		ug/Kg		104	78 - 120
1,1,1-Trichloroethane	2500	2670		ug/Kg		107	68 - 130
1,1,2,2-Tetrachloroethane	2500	2690		ug/Kg		108	73 - 120
1,1,2-Trichloroethane	2500	3010	*	ug/Kg		121	80 - 120
1,1-Dichloroethane	2500	2690		ug/Kg		107	78 - 121
1,1-Dichloroethene	2500	2430		ug/Kg		97	48 - 133
1,1-Dichloropropene	2500	2800		ug/Kg		112	75 - 121
1,2,3-Trichlorobenzene	2500	2590		ug/Kg		104	57 - 150
1,2,3-Trichloropropane	2500	2780		ug/Kg		111	75 - 120
1,2,4-Trichlorobenzene	2500	2580		ug/Kg		103	70 - 140
1,2,4-Trimethylbenzene	2500	2840		ug/Kg		114	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2240		ug/Kg		90	56 - 122
1,2-Dichlorobenzene	2500	2630		ug/Kg		105	78 - 125
1,2-Dichloroethane	2500	2560		ug/Kg		102	74 - 127
1,2-Dichloropropane	2500	2600		ug/Kg		104	80 - 120
1,3,5-Trimethylbenzene	2500	2870		ug/Kg		115	79 - 120
1,3-Dichlorobenzene	2500	2830		ug/Kg		113	80 - 120
1,3-Dichloropropane	2500	2900		ug/Kg		116	80 - 120
1,4-Dichlorobenzene	2500	2810		ug/Kg		112	80 - 120
2,2-Dichloropropane	2500	2800		ug/Kg		112	58 - 142
2-Chlorotoluene	2500	2840		ug/Kg		114	72 - 122
4-Chlorotoluene	2500	3030		ug/Kg		121	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-671106/2-A
Matrix: Solid
Analysis Batch: 671242

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671106

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2800		ug/Kg		112	80 - 120
Benzene	2500	2660		ug/Kg		106	77 - 125
Bromobenzene	2500	3080	*	ug/Kg		123	78 - 120
Bromoform	2500	2200		ug/Kg		88	48 - 125
Bromomethane	2500	2490		ug/Kg		100	39 - 149
Carbon tetrachloride	2500	2600		ug/Kg		104	54 - 135
Chlorobenzene	2500	2790		ug/Kg		112	76 - 126
Bromochloromethane	2500	2480		ug/Kg		99	79 - 120
Dibromochloromethane	2500	2660		ug/Kg		106	64 - 120
Chloroethane	2500	2090		ug/Kg		84	23 - 150
Chloroform	2500	2570		ug/Kg		103	78 - 120
Chloromethane	2500	2720		ug/Kg		109	61 - 124
cis-1,2-Dichloroethene	2500	2650		ug/Kg		106	79 - 124
Dibromomethane	2500	2550		ug/Kg		102	79 - 120
Bromodichloromethane	2500	2380		ug/Kg		95	71 - 121
Dichlorodifluoromethane	2500	2750		ug/Kg		110	10 - 150
Ethylbenzene	2500	2900		ug/Kg		116	78 - 124
1,2-Dibromoethane	2500	2870		ug/Kg		115	80 - 120
Hexachlorobutadiene	2500	2650		ug/Kg		106	61 - 149
Isopropylbenzene	2500	2980		ug/Kg		119	76 - 120
Methyl tert-butyl ether	2500	2440		ug/Kg		98	67 - 137
Methylene Chloride	2500	2470		ug/Kg		99	75 - 118
m&p-Xylene	2500	2850		ug/Kg		114	77 - 125
Naphthalene	2500	2630		ug/Kg		105	65 - 142
n-Butylbenzene	2500	2680		ug/Kg		107	80 - 120
N-Propylbenzene	2500	2950		ug/Kg		118	76 - 120
o-Xylene	2500	2800		ug/Kg		112	80 - 124
sec-Butylbenzene	2500	2770		ug/Kg		111	79 - 120
Tetrachloroethene	2500	3060		ug/Kg		122	73 - 133
Toluene	2500	3040		ug/Kg		121	75 - 124
trans-1,2-Dichloroethene	2500	2680		ug/Kg		107	74 - 129
trans-1,3-Dichloropropene	2500	2820		ug/Kg		113	73 - 120
Trichloroethene	2500	2620		ug/Kg		105	75 - 131
Trichlorofluoromethane	2500	2470		ug/Kg		99	29 - 158
Vinyl chloride	2500	2640		ug/Kg		106	59 - 124
cis-1,3-Dichloropropene	2500	2420		ug/Kg		97	75 - 121
Styrene	2500	2820		ug/Kg		113	80 - 120
tert-Butylbenzene	2500	2840		ug/Kg		113	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*53 - 146*
4-Bromofluorobenzene (Surr)	*101*		*49 - 148*
Toluene-d8 (Surr)	*112*		*50 - 149*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-671324/1-A
Matrix: Solid
Analysis Batch: 671335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671324

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<48		250	48	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1221	<48		250	48	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1232	<48		250	48	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1242	<48		250	48	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1248	<48		250	48	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1254	<120		250	120	ug/Kg		05/31/23 07:05	05/31/23 12:10	1
PCB-1260	<120		250	120	ug/Kg		05/31/23 07:05	05/31/23 12:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*05/31/23 07:05*	*05/31/23 12:10*	*1*
DCB Decachlorobiphenyl	*106*		*65 - 174*	*05/31/23 07:05*	*05/31/23 12:10*	*1*

Lab Sample ID: LCS 480-671324/2-A
Matrix: Solid
Analysis Batch: 671335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671324

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
PCB-1016			2250	3320		ug/Kg		147	51 - 185		
PCB-1260			2250	3120		ug/Kg		138	61 - 184		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*136*		*60 - 154*
DCB Decachlorobiphenyl	*137*		*65 - 174*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-671204/1-A
Matrix: Solid
Analysis Batch: 671538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671204

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.20		0.60	0.20	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Arsenic	<0.40		2.0	0.40	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Barium	<0.11		0.50	0.11	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Cadmium	<0.030		0.20	0.030	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Chromium	<0.20		0.50	0.20	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Lead	<0.24		1.0	0.24	mg/Kg		05/30/23 10:20	05/31/23 19:34	1
Selenium	<0.40		4.0	0.40	mg/Kg		05/30/23 10:20	05/31/23 19:34	1

Lab Sample ID: LCSSRM 480-671204/2-A
Matrix: Solid
Analysis Batch: 671538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671204

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			87.5	73.35		mg/Kg		83.8	63.7 - 115.4		
Arsenic			129	105.3		mg/Kg		81.7	60.9 - 113.2		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-671204/2-A
Matrix: Solid
Analysis Batch: 671538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671204

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Barium	169	152.0		mg/Kg		89.9	68.6 - 114.2
Cadmium	227	176.7		mg/Kg		77.9	64.8 - 110.1
Chromium	115	91.86		mg/Kg		79.9	62.4 - 115.7
Lead	74.8	84.90		mg/Kg		113.5	67.0 - 128.9
Selenium	246	197.3		mg/Kg		80.2	60.2 - 114.6

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-671298/1-A
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671298

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<4.2		18.3	4.2	ug/Kg		05/31/23 10:28	05/31/23 13:20	1

Lab Sample ID: LCSSRM 480-671298/2-A ^10
Matrix: Solid
Analysis Batch: 671461

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671298

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	20700	12670		ug/Kg		61.2	38.3 - 110.1

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

GC/MS VOA

Prep Batch: 671106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	5035A_H	
480-209253-2	P5M2-5A	Total/NA	Solid	5035A_H	
MB 480-671106/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-671106/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 671242

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	8260C	671106
480-209253-2	P5M2-5A	Total/NA	Solid	8260C	671106
MB 480-671106/1-A	Method Blank	Total/NA	Solid	8260C	671106
LCS 480-671106/2-A	Lab Control Sample	Total/NA	Solid	8260C	671106

GC Semi VOA

Prep Batch: 671324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	3550C	
480-209253-2	P5M2-5A	Total/NA	Solid	3550C	
MB 480-671324/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-671324/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 671335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	8082A	671324
480-209253-2	P5M2-5A	Total/NA	Solid	8082A	671324
MB 480-671324/1-A	Method Blank	Total/NA	Solid	8082A	671324
LCS 480-671324/2-A	Lab Control Sample	Total/NA	Solid	8082A	671324

Metals

Prep Batch: 671204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	3050B	
480-209253-2	P5M2-5A	Total/NA	Solid	3050B	
MB 480-671204/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-671204/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 671298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	7471B	
480-209253-2	P5M2-5A	Total/NA	Solid	7471B	
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 671461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	7471B	671298
480-209253-2	P5M2-5A	Total/NA	Solid	7471B	671298
MB 480-671298/1-A	Method Blank	Total/NA	Solid	7471B	671298
LCSSRM 480-671298/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	671298

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Metals

Analysis Batch: 671538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	6010C	671204
480-209253-2	P5M2-5A	Total/NA	Solid	6010C	671204
MB 480-671204/1-A	Method Blank	Total/NA	Solid	6010C	671204
LCSSRM 480-671204/2-A	Lab Control Sample	Total/NA	Solid	6010C	671204

General Chemistry

Analysis Batch: 671104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-209253-1	P5M1-11C	Total/NA	Solid	Moisture	
480-209253-2	P5M2-5A	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Client Sample ID: P5M1-11C
Date Collected: 05/25/23 08:30
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	671104	KER	EET BUF	05/26/23 16:59

Client Sample ID: P5M1-11C
Date Collected: 05/25/23 08:30
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-1
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			671106	ATG	EET BUF	05/26/23 18:02
Total/NA	Analysis	8260C		1	671242	AXK	EET BUF	05/30/23 17:58
Total/NA	Prep	3550C			671324	VXF	EET BUF	05/31/23 07:05
Total/NA	Analysis	8082A		1	671335	NC	EET BUF	05/31/23 17:05
Total/NA	Prep	3050B			671204	NVK	EET BUF	05/30/23 10:20
Total/NA	Analysis	6010C		1	671538	LMH	EET BUF	05/31/23 20:56
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:56

Client Sample ID: P5M2-5A
Date Collected: 05/25/23 14:00
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	671104	KER	EET BUF	05/26/23 16:59

Client Sample ID: P5M2-5A
Date Collected: 05/25/23 14:00
Date Received: 05/26/23 10:00

Lab Sample ID: 480-209253-2
Matrix: Solid
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			671106	ATG	EET BUF	05/26/23 18:02
Total/NA	Analysis	8260C		1	671242	AXK	EET BUF	05/30/23 18:21
Total/NA	Prep	3550C			671324	VXF	EET BUF	05/31/23 07:05
Total/NA	Analysis	8082A		1	671335	NC	EET BUF	05/31/23 17:18
Total/NA	Prep	3050B			671204	NVK	EET BUF	05/30/23 10:20
Total/NA	Analysis	6010C		1	671538	LMH	EET BUF	05/31/23 21:00
Total/NA	Prep	7471B			671298	NVK	EET BUF	05/31/23 10:28
Total/NA	Analysis	7471B		1	671461	NVK	EET BUF	05/31/23 13:57

Laboratory References:
EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-209253-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-23

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-209253-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-209253-1	P5M1-11C	Solid	05/25/23 08:30	05/26/23 10:00
480-209253-2	P5M2-5A	Solid	05/25/23 14:00	05/26/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-209253-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8082A	PCB-1254	Solid	Total/NA	ug/Kg	250	390
8082A	PCB-1260	Solid	Total/NA	ug/Kg	250	390
6010C	Chromium	Solid	Total/NA	mg/Kg	0.50	0.6667
6010C	Silver	Solid	Total/NA	mg/Kg	0.60	0.6667

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716 691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 5/25/2023	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler:
(xxx) xxx-xxxx Phone	☐CALENDAR DAYS ☑WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐2 weeks			Lab Sampling:
Site: Boundary Road landfill	☐1 week			Job / SDG No.:
P O # 48025931	☐2 days ☐1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocS	Sample Specific Notes:
PSMI-11C	5/25	13:30	G	S	3	N	N	X	X	PID 4.3 ppm
PSMZ-5A	5/25	14:00	G	S	3	N	N	X	X	PID 16.5 ppm
								1	1	

480-209253 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☑Disposal by Lab ☐Archive for Months

Special Instructions/QC Requirements & Comments:

#1 2,8

Custody Seals Intact: ☐Yes ☐No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: Corr'd: | Therm ID No.:

Relinquished by: Joe Slone (SCS)	Company: SCS Engineers	Date/Time: 15:00 5/25	Received by: C Walker	Company: TAS	Date/Time: 5/26/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

6/1/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-209253-1

Login Number: 209253
List Number: 1
Creator: Kolb, Chris M

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TCORES PUT IN FREEZER 5/26 @ 1200
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Appendix H

Temporary Monitoring Well Installation Documentation

State of Wisconsin
Department of Natural Resources

Route To:
☐ Watershed/Wastewater
☑ Remediation/Redev.
☑ Waste Management
☐ Other ______________________

SOIL BORING LOG INFORMATION

Form 4400-122 7-98
Revised by SCS 1-2016

Page 1

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Boundary Road Landfill SCS # 25222265.00	11	TMW501

Boring Drilled By (Firm name and name of crew chief)	Drilling Started	Drilling Completed	Drilling Method
Onsite Environmental Services Inc., Gage Kapugi	08/16/2023	08/16/2023	Geoprobe(direct push)

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Static Water Level	Surface Elevation	Borehole Diam.
N/A	N/A		749.17	758.74	2"

Boring Location	Lat. / Long.	Local Grid Location (If applicable)
State Plane 1/4 of SE 1/4 of Section 1, T. 8 N, R. 21E	Lat. Long.	437389.731 N, 2515216.207 E.

County	DNR County Code	Civil Town/City/or Village
Waukesha	68	Menomonee Falls

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Standard Penetration	Moisture Content	P200	RQD/ Comments
			1–4	Lean Clay (CL), brown to dark brown (5YR 5/6) blocky texture, medium stiffness, trace gravel (fine, subangular) - FILL	CL					D		
			4–6	Lean Clay with gravel (CL), dark brown (5YR 5/6), medium stiffness, blocky texture, subangular/ subrounded gravel, trace metallic gold-luster mineral - FILL	CL					D		
			6–9	Lean Clay with gravel (CL), dark grey to brown (5YR 5/6), medium stiffness, mottling, blocky texture, reddish brown to black gravel, subangular to subrounded, fine to coarse gravel, trace organics - FILL	CL					D M		
			9–11	Poorly graded Sand with silt and gravel (SP-SM), light brown (5YR 6/7), loose sand to medium dense silts, subrounded fine to coarse gravel	SP-SM					W		
			11–13	Gravelly silty clay (CL-ML), light brown to grey (5YR 6/7), very soft, subangular to subrounded gravel, fine to coarse, trace fine to coarse sand	CL-ML					W		
			13–15	Lean Clay with gravel (CL), grey (5YR 5/6), very soft, subangular to subrounded gravel, fine to coarse	CL					W		
			15–19	End of boring at 15 feet 5 foot, SCH 40 PVC Well Screen (0.010" slot size) set at 13.5 feet (bottom)								

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature]

Firm SCS ENGINEERS 2830 Dairy Drive Madison, WI 53718

SCS # 25222265.00

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☒ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Boundary Road Landfill	Local Grid Location of Well: ___ ft. ☐N. ☐S. ___ ft. ☐E. ☐W.	Well Name: TMW501
Facility License, Permit or Monitoring No.: 0011	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ___ ° ___ ' ___ " Long. ___ ° ___ ' ___ " or	Wis. Unique Well No.: N/A; DNR Well ID No.: N/A
Facility ID: 268152390	St. Plane 437389.731 ft. N, 2515216.207 ft. E. S/C/N	Date Well Installed: 08 / 16 / 2023 (m m / d d / y y y y)
Type of Well: Well Code 11 / mw	Section Location of Waste/Source: ___ 1/4 of SE 1/4 of Sec. 1, T. 8 N, R. 21 ☒E ☐W	Well Installed By: Name (first, last) and Firm: Gage Kapugi, Onsite Environmental Services, Inc.
Distance from Waste/Source ___ ft.; Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient; s ☐ Sidegradient; d ☒ Downgradient; n ☐ Not Known	Gov. Lot Number ___

A. Protective pipe, top elevation 762.724 ft. MSL
B. Well casing, top elevation 760.657 ft. MSL
C. Land surface elevation 758.735 ft. MSL
D. Surface seal, bottom 758.235 ft. MSL or 0.5 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☒ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☐ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☐ No

14. Drilling method used: Rotary ☐ 5 0
Hollow Stem Auger ☒ 4 1
geoprobe (direct push) Other ☒

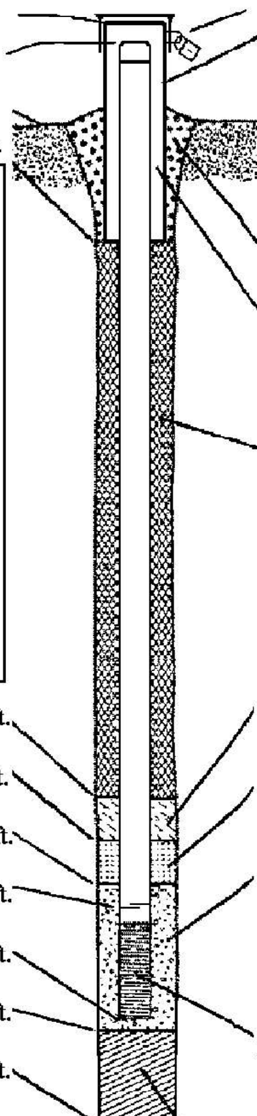
15. Drilling fluid used: Water ☐ 0 2 Air ☐ 0 1
Drilling Mud ☐ 0 3 None ☐ 9 9

16. Drilling additives used? ☐ Yes ☐ No

Describe ___

17. Source of water (attach analysis, if required): ___

E. Bentonite seal, top 758.235 ft. MSL or 0.5 ft.
F. Fine sand, top 751.735 ft. MSL or 7 ft.
G. Filter pack, top 751.235 ft. MSL or 7.5 ft.
H. Screen joint, top 750.735 ft. MSL or 8 ft.
I. Well bottom 745.735 ft. MSL or 13 ft.
J. Filter pack, bottom 745.735 ft. MSL or 13 ft.
K. Borehole, bottom 745.235 ft. MSL or 13.5 ft.
L. Borehole, diameter 8.5 in.
M. O.D. well casing 2.375 in.
N. I.D. well casing 2 in.



1. Cap and lock? ☐ Yes ☒ No
2. Protective cover pipe:
   a. Inside diameter: ___ in.
   b. Length: ___ ft.
   c. Material: Steel ☐ 0 4; Other ☐
   d. Additional protection? ☐ Yes ☐ No
   If yes, describe: ___
3. Surface seal: Bentonite ☐ 3 0; Concrete ☐ 0 1; soil Other ☒
4. Material between well casing and protective pipe: Bentonite ☐ 3 0; Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 3 3
   b. ___ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 3 5
   c. ___ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 3 1
   d. ___ % Bentonite . . . . . . Bentonite-cement grout ☐ 5 0
   e. ___ Ft^3 volume added for any of the above
   f. How installed: Tremie ☐ 0 1; Tremie pumped ☐ 0 2; Gravity ☒ 0 8
6. Bentonite seal: a. Bentonite granules ☐ 3 3
   b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 3 2
   c. three 50 lb. bags of Puregold medium b Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
   a. one 1/2 bag (50 lb) of NSF R.W. Sidley Inc. fin ☐
   b. Volume added 0.25 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
   a. 3.5 bags (50 lb) #15 Red Flint sand and gravel (☐
   b. Volume added 1.75 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 2 3; Flush threaded PVC schedule 80 ☐ 2 4; Other ☐
10. Screen material: ___
   a. Screen type: Factory cut ☐ 1 1; Continuous slot ☐ 0 1; 5' SCH 40 PVC Well Screen Other ☒
   b. Manufacturer ___
   c. Slot size: 0.01 in.
   d. Slotted length: 5 ft.
11. Backfill material (below filter pack): None ☐ 1 4; #15 Red Flint sand and gravel (coarse) Other ☒

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm
[signature]	SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SCS # 25222265.00

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☒
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Boundary Road Landfill	Waukesha	TMW501

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
0011	68	N/A	N/A

1. Can this well be purged dry? ☐ Yes ☒ No

2. Well development method
- surged with bailer and bailed ☐ 41
- surged with bailer and pumped ☒ 61
- surged with block and bailed ☐ 42
- surged with block and pumped ☐ 62
- surged with block, bailed and pumped ☐ 70
- compressed air ☐ 20
- bailed only ☐ 10
- pumped only ☐ 51
- pumped slowly ☐ 50
- Other _____ ☐

3. Time spent developing well 60 min.

4. Depth of well (from top of well casisng) 17.1 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 0.8 gal.

7. Volume of water removed from well 28.0 gal.

8. Volume of water added (if any) 0.0 gal.

9. Source of water added none

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☒ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 12.65 ft.	13.55 ft.
Date	b. 08/16/2023	09/13/2023
Time	c. 2:30 ☐ a.m. ☒ p.m.	1:15 ☐ a.m. ☒ p.m.
12. Sediment in well bottom	0.2 inches	0.2 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe)	Clear ☐ 20 Turbid ☐ 25 (Describe)
14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

Fill in if drilling fluids were used and well is at solid waste facility:

16. Well developed by: Name (first, last) and Firm
First Name: Aaron Last Name: Lofberg
Firm: SCS ENGINEERS, 2830 Dary Drive Madison, WI 53718

17. Additional comments on development:
Temporary monitoring well, developed by purging approximately 17 well volumes on 8/16/2023. Returned on 9/13/2023 to develop well with a pump, another 19 well volumes were removed on 9/13/2023 prior to collecting a groundwater sample.

Name and Address of Facility Contact /Owner/Responsible Party
First Name: _____ Last Name: _____
Facility/Firm: Waste Management of Wisconsin, Inc.
Street: W124 N8925 Boundary Road
City/State/Zip: Menomonee Falls, WI 53051

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: Aaron Lofberg
Print Name: Aaron Lofberg
Firm: SCS ENGINEERS

NOTE: See instructions for more information including a list of county codes and well type codes.

State of Wisconsin
Department of Natural Resources

Route To:
- ☐ Watershed/Wastewater
- ☑ Remediation/Redev.
- ☑ Waste Management
- ☐ Other _____

SOIL BORING LOG INFORMATION
Form 4400-122 7-98
Revised by SCS 1-2016

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Boundary Road Landfill SCS # 25222265.00	11	501A

Boring Drilled By (Firm name and name of crew chief)	Drilling Started	Drilling Completed	Drilling Method
Onsite Environmental Services Inc., Gage Kapugi	09/13/2023	09/13/2023	Geoprobe(direct push)

DNR Facility Well No.	WI Unique Well No.	Common Well Name	Static Water Level	Surface Elevation	Borehole Diam.
N/A	N/A		749.17	758.74	2"

Boring Location State Plane	Lat. Long.	Local Grid Location (If applicable)
1/4 of SE 1/4 of Section 1 , T. 8 N, R.21E		N. , E.

County	DNR County Code	Civil Town/City/or Village
Waukesha	68	Menomonee Falls

Sample Number	Sample Length Recovered	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Max. PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: P200	RQD/ Comments
			1	**See TMW501 boring log for soil descriptions								
			2									
			3									
			4									
			5									
			6									
			7									
			8									
			9									
			10									
			11									
			12									
			13									
			14									
			15	End of boring at 15 feet								
			16									
			17									
			18									
			19									

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature [signature] Firm SCS ENGINEERS 2830 Dairy Drive Madison, WI 53718

State of Wis., Dept. of Natural Resources SCS No. 25222265
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☐ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Waukesha	_ _ _ _ _	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼	¼ SE	Section	Township	Range
or Gov't Lot #		1	8 N	21 ☒ E ☐ W

Well Street Address: W124 N8925, Boundary Rd

Well City, Village or Town	Well ZIP Code
Menomonee Falls	53051

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
completion	_ _ _ _ _

2. Facility / Owner Information

Facility Name: Boundary Road Landfill
Facility ID (FID or PWS):
License/Permit/Monitoring #: 0011 / 501A
Original Well Owner:
Present Well Owner: Waste Management
Mailing Address of Present Owner:

City of Present Owner	State	ZIP Code

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well ☐ Water Well ☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 09/13/2023

If a Well Construction Report is available, please attach.

Construction Type:
☒ Drilled ☐ Driven (Sandpoint) ☐ Dug
☐ Other (specify): _____

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
15	2
Lower Drillhole Diameter (in.)	**Casing Depth (ft.)**
	--

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	12

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☐ Yes	☐ No	☒ N/A
Did material settle after 24 hours?	☐ Yes	☐ No	☒ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☐ Yes	☐ No	☒ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☐ Screened & Poured (Bentonite Chips) ☒ Other (Explain): poured-gravity

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
Bentonite Plug (3/8" chips)	Surface	15	0.8 cubic feet	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
On-site Environmental Services Inc.		09/13/2023

Street or Route	Telephone Number
PO Box 280	(608) 837-8992

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Sun Prairie	WI	53590		09/25/2023

DNR Use Only

Date Received	Noted By

Comments:

Appendix I

Monitoring Well Sample Analytical Reports

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 9/22/2023 11:05:18 AM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-212705-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

myEOL

Eurofins Buffalo

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

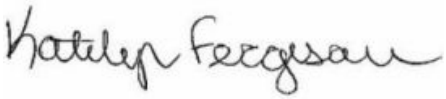


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Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Job ID: 480-212705-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-212705-1

Receipt
The samples were received on 9/14/2023 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method 8260C: The following sample was analyzed using medium level soil analysis to bring the concentration of target analytes within the calibration range: 501A (11-13`) (480-212705-2). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-683675 recovered above the upper control limit for 2,2-Dichloropropane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: 501A (11-13`) (480-212705-2).

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: TMW501 (480-212705-1), (480-212705-B-1 MS) and (480-212705-B-1 MSD).

Method 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: TMW501 (480-212705-1), (480-212705-B-1 MS) and (480-212705-B-1 MSD). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Client Sample ID: TMW501 — Lab Sample ID: 480-212705-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,4-Dichlorobenzene	8.6	J	10	8.4	ug/L	10		8260C	Total/NA
Benzene	5.8	J	10	4.1	ug/L	10		8260C	Total/NA
Chlorobenzene	110		10	7.5	ug/L	10		8260C	Total/NA
Isopropylbenzene	20		10	7.9	ug/L	10		8260C	Total/NA
n-Butylbenzene	6.5	J	10	6.4	ug/L	10		8260C	Total/NA
N-Propylbenzene	31		10	6.9	ug/L	10		8260C	Total/NA

Client Sample ID: 501A (11-13`) — Lab Sample ID: 480-212705-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.4	J	37	7.0	ug/Kg	1	☼	8260C	Total/NA
Methylene Chloride	12	J B	37	7.3	ug/Kg	1	☼	8260C	Total/NA
Naphthalene	150		37	12	ug/Kg	1	☼	8260C	Total/NA
Toluene	20	J	37	9.9	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Client Sample ID: TMW501
Date Collected: 09/13/23 13:30
Date Received: 09/14/23 10:00

Lab Sample ID: 480-212705-1
Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<3.5		10	3.5	ug/L			09/19/23 11:55	10
1,1,1-Trichloroethane	<8.2		10	8.2	ug/L			09/19/23 11:55	10
1,1,2,2-Tetrachloroethane	<2.1		10	2.1	ug/L			09/19/23 11:55	10
1,1,2-Trichloroethane	<2.3		10	2.3	ug/L			09/19/23 11:55	10
1,1-Dichloroethane	<3.8		10	3.8	ug/L			09/19/23 11:55	10
1,1-Dichloroethene	<2.9		10	2.9	ug/L			09/19/23 11:55	10
1,1-Dichloropropene	<7.2		10	7.2	ug/L			09/19/23 11:55	10
1,2,3-Trichlorobenzene	<4.1		10	4.1	ug/L			09/19/23 11:55	10
1,2,3-Trichloropropane	<8.9		10	8.9	ug/L			09/19/23 11:55	10
1,2,4-Trichlorobenzene	<4.1		10	4.1	ug/L			09/19/23 11:55	10
1,2,4-Trimethylbenzene	<7.5		10	7.5	ug/L			09/19/23 11:55	10
1,2-Dibromo-3-Chloropropane	<3.9		10	3.9	ug/L			09/19/23 11:55	10
1,2-Dichlorobenzene	<7.9		10	7.9	ug/L			09/19/23 11:55	10
1,2-Dichloroethane	<2.1		10	2.1	ug/L			09/19/23 11:55	10
1,2-Dichloropropane	<7.2		10	7.2	ug/L			09/19/23 11:55	10
1,3,5-Trimethylbenzene	<7.7		10	7.7	ug/L			09/19/23 11:55	10
1,3-Dichlorobenzene	<7.8		10	7.8	ug/L			09/19/23 11:55	10
1,3-Dichloropropane	<7.5		10	7.5	ug/L			09/19/23 11:55	10
1,4-Dichlorobenzene	**8.6**	**J**	10	8.4	ug/L			09/19/23 11:55	10
2,2-Dichloropropane	<4.0		10	4.0	ug/L			09/19/23 11:55	10
2-Chlorotoluene	<8.6		10	8.6	ug/L			09/19/23 11:55	10
4-Chlorotoluene	<8.4		10	8.4	ug/L			09/19/23 11:55	10
p-Isopropyltoluene	<3.1		10	3.1	ug/L			09/19/23 11:55	10
Benzene	**5.8**	**J**	10	4.1	ug/L			09/19/23 11:55	10
Bromobenzene	<8.0		10	8.0	ug/L			09/19/23 11:55	10
Bromoform	<2.6		10	2.6	ug/L			09/19/23 11:55	10
Bromomethane	<6.9		10	6.9	ug/L			09/19/23 11:55	10
Carbon tetrachloride	<2.7		10	2.7	ug/L			09/19/23 11:55	10
Chlorobenzene	**110**		10	7.5	ug/L			09/19/23 11:55	10
Bromochloromethane	<8.7		10	8.7	ug/L			09/19/23 11:55	10
Dibromochloromethane	<3.2		10	3.2	ug/L			09/19/23 11:55	10
Chloroethane	<3.2		10	3.2	ug/L			09/19/23 11:55	10
Chloroform	<3.4		10	3.4	ug/L			09/19/23 11:55	10
Chloromethane	<3.5		10	3.5	ug/L			09/19/23 11:55	10
cis-1,2-Dichloroethene	<8.1		10	8.1	ug/L			09/19/23 11:55	10
Dibromomethane	<4.1		10	4.1	ug/L			09/19/23 11:55	10
Bromodichloromethane	<3.9		10	3.9	ug/L			09/19/23 11:55	10
Dichlorodifluoromethane	<6.8		10	6.8	ug/L			09/19/23 11:55	10
Ethylbenzene	<7.4		10	7.4	ug/L			09/19/23 11:55	10
1,2-Dibromoethane	<7.3		10	7.3	ug/L			09/19/23 11:55	10
Hexachlorobutadiene	<2.8		20	2.8	ug/L			09/19/23 11:55	10
Isopropyl ether	<5.9		10	5.9	ug/L			09/19/23 11:55	10
Isopropylbenzene	**20**		10	7.9	ug/L			09/19/23 11:55	10
Methyl tert-butyl ether	<1.6		10	1.6	ug/L			09/19/23 11:55	10
Methylene Chloride	<4.4		10	4.4	ug/L			09/19/23 11:55	10
m&p-Xylene	<6.6		20	6.6	ug/L			09/19/23 11:55	10
Naphthalene	<4.3		10	4.3	ug/L			09/19/23 11:55	10
n-Butylbenzene	**6.5**	**J**	10	6.4	ug/L			09/19/23 11:55	10
N-Propylbenzene	**31**		10	6.9	ug/L			09/19/23 11:55	10

Client Sample ID: TMW501

Date Collected: 09/13/23 13:30
Date Received: 09/14/23 10:00

Lab Sample ID: 480-212705-1

Matrix: Water

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<7.6		10	7.6	ug/L			09/19/23 11:55	10
sec-Butylbenzene	<7.5		10	7.5	ug/L			09/19/23 11:55	10
Tetrachloroethene	<3.6		10	3.6	ug/L			09/19/23 11:55	10
Toluene	<5.1		10	5.1	ug/L			09/19/23 11:55	10
trans-1,2-Dichloroethene	<9.0		10	9.0	ug/L			09/19/23 11:55	10
trans-1,3-Dichloropropene	<3.7		10	3.7	ug/L			09/19/23 11:55	10
Trichloroethene	<4.6		10	4.6	ug/L			09/19/23 11:55	10
Trichlorofluoromethane	<8.8		10	8.8	ug/L			09/19/23 11:55	10
Vinyl chloride	<9.0		10	9.0	ug/L			09/19/23 11:55	10
Xylenes, Total	<6.6		20	6.6	ug/L			09/19/23 11:55	10
cis-1,3-Dichloropropene	<3.6		10	3.6	ug/L			09/19/23 11:55	10
Styrene	<7.3		10	7.3	ug/L			09/19/23 11:55	10
tert-Butylbenzene	<8.1		10	8.1	ug/L			09/19/23 11:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*09/19/23 11:55*	*10*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*09/19/23 11:55*	*10*
Toluene-d8 (Surr)	*100*		*80 - 120*		*09/19/23 11:55*	*10*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*09/19/23 11:55*	*10*

Client Sample ID: 501A (11-13`)

Date Collected: 09/13/23 11:00
Date Received: 09/14/23 10:00

Lab Sample ID: 480-212705-2

Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<11		37	11	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1,1-Trichloroethane	<10		37	10	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1,2,2-Tetrachloroethane	<6.0		37	6.0	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1,2-Trichloroethane	<7.8		37	7.8	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1-Dichloroethane	<11		37	11	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1-Dichloroethene	<13		37	13	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,1-Dichloropropene	<9.2		37	9.2	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2,3-Trichlorobenzene	<17		37	17	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2,3-Trichloropropane	<8.2		37	8.2	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2,4-Trichlorobenzene	<14		37	14	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2,4-Trimethylbenzene	<10		37	10	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2-Dibromo-3-Chloropropane	<18		37	18	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2-Dichlorobenzene	<9.4		37	9.4	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2-Dichloroethane	<15		37	15	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2-Dichloropropane	<6.0		37	6.0	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,3,5-Trimethylbenzene	<11		37	11	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,3-Dichlorobenzene	<9.9		37	9.9	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,3-Dichloropropane	<6.7		37	6.7	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,4-Dichlorobenzene	<5.2		37	5.2	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
2,2-Dichloropropane	<8.4	^c	37	8.4	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
2-Chlorotoluene	<14		37	14	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
4-Chlorotoluene	<7.5		37	7.5	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
p-Isopropyltoluene	<12		37	12	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Benzene	**7.4**	**J**	37	7.0	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1

Client Sample ID: 501A (11-13`)
Date Collected: 09/13/23 11:00
Date Received: 09/14/23 10:00

Lab Sample ID: 480-212705-2
Matrix: Solid
Percent Solids: 87.8

Method: SW846 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<8.1		37	8.1	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Bromoform	<18		37	18	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Bromomethane	<8.1		37	8.1	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Carbon tetrachloride	<9.4		37	9.4	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Chlorobenzene	<4.9		37	4.9	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Bromochloromethane	<13		37	13	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Dibromochloromethane	<18		37	18	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Chloroethane	<7.7		37	7.7	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Chloroform	<25		37	25	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Chloromethane	<8.8		37	8.8	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
cis-1,2-Dichloroethene	<10		37	10	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Dibromomethane	<12		37	12	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Bromodichloromethane	<7.4		37	7.4	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Dichlorodifluoromethane	<16		37	16	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Ethylbenzene	<11		37	11	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
1,2-Dibromoethane	<6.5		37	6.5	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Hexachlorobutadiene	<15		37	15	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Isopropyl ether	<20		37	20	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Isopropylbenzene	<5.5		37	5.5	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Methyl tert-butyl ether	<14		37	14	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Methylene Chloride	**12**	**J B**	37	7.3	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
m&p-Xylene	<20		74	20	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Naphthalene	**150**		37	12	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
n-Butylbenzene	<11		37	11	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
N-Propylbenzene	<9.7		37	9.7	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
o-Xylene	<4.8		37	4.8	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
sec-Butylbenzene	<14		37	14	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Tetrachloroethene	<5.0		37	5.0	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Toluene	**20**	**J**	37	9.9	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
trans-1,2-Dichloroethene	<8.7		37	8.7	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
trans-1,3-Dichloropropene	<3.6		37	3.6	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Trichloroethene	<10		37	10	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Trichlorofluoromethane	<17		37	17	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Vinyl chloride	<12		37	12	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Xylenes, Total	<20		74	20	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
cis-1,3-Dichloropropene	<8.8		37	8.8	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
Styrene	<8.9		37	8.9	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1
tert-Butylbenzene	<10		37	10	ug/Kg	☼	09/15/23 13:50	09/15/23 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*	*09/15/23 13:50*	*09/15/23 22:28*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*09/15/23 13:50*	*09/15/23 22:28*	*1*
Toluene-d8 (Surr)	*106*		*50 - 149*	*09/15/23 13:50*	*09/15/23 22:28*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*	*09/15/23 13:50*	*09/15/23 22:28*	*1*

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(50-149)	(60-140)
480-212705-2	501A (11-13`)	107	96	106	101
LCS 480-683698/2-A	Lab Control Sample	106	95	108	102
MB 480-683698/1-A	Method Blank	109	96	105	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	TOL	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(80-120)	(75-123)
480-212705-1	TMW501	107	101	100	112
480-212705-1 MS	TMW501	112	102	100	114
480-212705-1 MSD	TMW501	105	103	100	103
LCS 480-683977/6	Lab Control Sample	111	106	101	108
MB 480-683977/8	Method Blank	110	105	99	109

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-683698/1-A
Matrix: Solid
Analysis Batch: 683675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683698

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<29		100	29	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1,1-Trichloroethane	<28		100	28	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1,2,2-Tetrachloroethane	<16		100	16	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1,2-Trichloroethane	<21		100	21	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1-Dichloroethane	<31		100	31	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1-Dichloroethene	<35		100	35	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,1-Dichloropropene	<25		100	25	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2,3-Trichlorobenzene	<46		100	46	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2,3-Trichloropropane	<22		100	22	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2,4-Trichlorobenzene	<38		100	38	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2,4-Trimethylbenzene	<28		100	28	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2-Dibromo-3-Chloropropane	<50		100	50	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2-Dichlorobenzene	<26		100	26	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2-Dichloroethane	<41		100	41	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2-Dichloropropane	<16		100	16	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,3,5-Trimethylbenzene	<30		100	30	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,3-Dichlorobenzene	<27		100	27	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,3-Dichloropropane	<18		100	18	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,4-Dichlorobenzene	<14		100	14	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
2,2-Dichloropropane	<23		100	23	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
2-Chlorotoluene	<38		100	38	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
4-Chlorotoluene	<20		100	20	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
p-Isopropyltoluene	<34		100	34	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Benzene	<19		100	19	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Bromobenzene	<22		100	22	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Bromoform	<50		100	50	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Bromomethane	<22		100	22	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Carbon tetrachloride	<26		100	26	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Chlorobenzene	<13		100	13	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Bromochloromethane	<36		100	36	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Dibromochloromethane	<48		100	48	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Chloroethane	<21		100	21	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Chloroform	<69		100	69	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Chloromethane	<24		100	24	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
cis-1,2-Dichloroethene	<28		100	28	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Dibromomethane	<33		100	33	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Bromodichloromethane	<20		100	20	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Dichlorodifluoromethane	<44		100	44	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Ethylbenzene	<29		100	29	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
1,2-Dibromoethane	<18		100	18	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Hexachlorobutadiene	<40		100	40	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Isopropyl ether	<53		100	53	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Isopropylbenzene	<15		100	15	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Methyl tert-butyl ether	<38		100	38	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Methylene Chloride	44.4	J	100	20	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
m&p-Xylene	<55		200	55	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Naphthalene	<34		100	34	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
n-Butylbenzene	<29		100	29	ug/Kg		09/15/23 13:50	09/15/23 17:14	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-683698/1-A
Matrix: Solid
Analysis Batch: 683675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 683698

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<26		100	26	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
o-Xylene	<13		100	13	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
sec-Butylbenzene	<37		100	37	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Tetrachloroethene	<13		100	13	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Toluene	<27		100	27	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
trans-1,2-Dichloroethene	<24		100	24	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
trans-1,3-Dichloropropene	<9.8		100	9.8	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Trichloroethene	<28		100	28	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Trichlorofluoromethane	<47		100	47	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Vinyl chloride	<34		100	34	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Xylenes, Total	<55		200	55	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
cis-1,3-Dichloropropene	<24		100	24	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
Styrene	<24		100	24	ug/Kg		09/15/23 13:50	09/15/23 17:14	1
tert-Butylbenzene	<28		100	28	ug/Kg		09/15/23 13:50	09/15/23 17:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*53 - 146*	*09/15/23 13:50*	*09/15/23 17:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*09/15/23 13:50*	*09/15/23 17:14*	*1*
Toluene-d8 (Surr)	*105*		*50 - 149*	*09/15/23 13:50*	*09/15/23 17:14*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*09/15/23 13:50*	*09/15/23 17:14*	*1*

Lab Sample ID: LCS 480-683698/2-A
Matrix: Solid
Analysis Batch: 683675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	2500	2740		ug/Kg		110	78 - 120
1,1,1-Trichloroethane	2500	2650		ug/Kg		106	68 - 130
1,1,2,2-Tetrachloroethane	2500	2560		ug/Kg		103	73 - 120
1,1,2-Trichloroethane	2500	2540		ug/Kg		102	80 - 120
1,1-Dichloroethane	2500	2560		ug/Kg		102	78 - 121
1,1-Dichloroethene	2500	2460		ug/Kg		99	48 - 133
1,1-Dichloropropene	2500	2740		ug/Kg		110	75 - 121
1,2,3-Trichlorobenzene	2500	2520		ug/Kg		101	57 - 150
1,2,3-Trichloropropane	2500	2570		ug/Kg		103	75 - 120
1,2,4-Trichlorobenzene	2500	2580		ug/Kg		103	70 - 140
1,2,4-Trimethylbenzene	2500	2680		ug/Kg		107	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2700		ug/Kg		108	56 - 122
1,2-Dichlorobenzene	2500	2590		ug/Kg		103	78 - 125
1,2-Dichloroethane	2500	2540		ug/Kg		101	74 - 127
1,2-Dichloropropane	2500	2560		ug/Kg		102	80 - 120
1,3,5-Trimethylbenzene	2500	2820		ug/Kg		113	79 - 120
1,3-Dichlorobenzene	2500	2640		ug/Kg		106	80 - 120
1,3-Dichloropropane	2500	2570		ug/Kg		103	80 - 120
1,4-Dichlorobenzene	2500	2560		ug/Kg		102	80 - 120
2,2-Dichloropropane	2500	2670		ug/Kg		107	58 - 142
2-Chlorotoluene	2500	2660		ug/Kg		106	72 - 122
4-Chlorotoluene	2500	2620		ug/Kg		105	73 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-683698/2-A
Matrix: Solid
Analysis Batch: 683675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 683698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	2500	2810		ug/Kg		112	80 - 120
Benzene	2500	2570		ug/Kg		103	77 - 125
Bromobenzene	2500	2570		ug/Kg		103	78 - 120
Bromoform	2500	2480		ug/Kg		99	48 - 125
Bromomethane	2500	1770		ug/Kg		71	39 - 149
Carbon tetrachloride	2500	2660		ug/Kg		106	54 - 135
Chlorobenzene	2500	2520		ug/Kg		101	76 - 126
Bromochloromethane	2500	2530		ug/Kg		101	79 - 120
Dibromochloromethane	2500	2760		ug/Kg		110	64 - 120
Chloroethane	2500	1950		ug/Kg		78	23 - 150
Chloroform	2500	2470		ug/Kg		99	78 - 120
Chloromethane	2500	2490		ug/Kg		100	61 - 124
cis-1,2-Dichloroethene	2500	2550		ug/Kg		102	79 - 124
Dibromomethane	2500	2530		ug/Kg		101	79 - 120
Bromodichloromethane	2500	2620		ug/Kg		105	71 - 121
Dichlorodifluoromethane	2500	2240		ug/Kg		90	10 - 150
Ethylbenzene	2500	2600		ug/Kg		104	78 - 124
1,2-Dibromoethane	2500	2520		ug/Kg		101	80 - 120
Hexachlorobutadiene	2500	2790		ug/Kg		112	61 - 149
Isopropylbenzene	2500	2810		ug/Kg		113	76 - 120
Methyl tert-butyl ether	2500	2430		ug/Kg		97	67 - 137
Methylene Chloride	2500	2500		ug/Kg		100	75 - 118
m&p-Xylene	2500	2570		ug/Kg		103	77 - 125
Naphthalene	2500	2430		ug/Kg		97	65 - 142
n-Butylbenzene	2500	2880		ug/Kg		115	80 - 120
N-Propylbenzene	2500	2800		ug/Kg		112	76 - 120
o-Xylene	2500	2520		ug/Kg		101	80 - 124
sec-Butylbenzene	2500	2840		ug/Kg		113	79 - 120
Tetrachloroethene	2500	2530		ug/Kg		101	73 - 133
Toluene	2500	2600		ug/Kg		104	75 - 124
trans-1,2-Dichloroethene	2500	2540		ug/Kg		102	74 - 129
trans-1,3-Dichloropropene	2500	2620		ug/Kg		105	73 - 120
Trichloroethene	2500	2500		ug/Kg		100	75 - 131
Trichlorofluoromethane	2500	2270		ug/Kg		91	29 - 158
Vinyl chloride	2500	2560		ug/Kg		102	59 - 124
cis-1,3-Dichloropropene	2500	2540		ug/Kg		102	75 - 121
Styrene	2500	2460		ug/Kg		99	80 - 120
tert-Butylbenzene	2500	2810		ug/Kg		112	78 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*53 - 146*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*
Toluene-d8 (Surr)	*108*		*50 - 149*
Dibromofluoromethane (Surr)	*102*		*60 - 140*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-683977/8
Matrix: Water
Analysis Batch: 683977

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.35		1.0	0.35	ug/L			09/19/23 10:59	1
1,1,1-Trichloroethane	<0.82		1.0	0.82	ug/L			09/19/23 10:59	1
1,1,2,2-Tetrachloroethane	<0.21		1.0	0.21	ug/L			09/19/23 10:59	1
1,1,2-Trichloroethane	<0.23		1.0	0.23	ug/L			09/19/23 10:59	1
1,1-Dichloroethane	<0.38		1.0	0.38	ug/L			09/19/23 10:59	1
1,1-Dichloroethene	<0.29		1.0	0.29	ug/L			09/19/23 10:59	1
1,1-Dichloropropene	<0.72		1.0	0.72	ug/L			09/19/23 10:59	1
1,2,3-Trichlorobenzene	<0.41		1.0	0.41	ug/L			09/19/23 10:59	1
1,2,3-Trichloropropane	<0.89		1.0	0.89	ug/L			09/19/23 10:59	1
1,2,4-Trichlorobenzene	<0.41		1.0	0.41	ug/L			09/19/23 10:59	1
1,2,4-Trimethylbenzene	<0.75		1.0	0.75	ug/L			09/19/23 10:59	1
1,2-Dibromo-3-Chloropropane	<0.39		1.0	0.39	ug/L			09/19/23 10:59	1
1,2-Dichlorobenzene	<0.79		1.0	0.79	ug/L			09/19/23 10:59	1
1,2-Dichloroethane	<0.21		1.0	0.21	ug/L			09/19/23 10:59	1
1,2-Dichloropropane	<0.72		1.0	0.72	ug/L			09/19/23 10:59	1
1,3,5-Trimethylbenzene	<0.77		1.0	0.77	ug/L			09/19/23 10:59	1
1,3-Dichlorobenzene	<0.78		1.0	0.78	ug/L			09/19/23 10:59	1
1,3-Dichloropropane	<0.75		1.0	0.75	ug/L			09/19/23 10:59	1
1,4-Dichlorobenzene	<0.84		1.0	0.84	ug/L			09/19/23 10:59	1
2,2-Dichloropropane	<0.40		1.0	0.40	ug/L			09/19/23 10:59	1
2-Chlorotoluene	<0.86		1.0	0.86	ug/L			09/19/23 10:59	1
4-Chlorotoluene	<0.84		1.0	0.84	ug/L			09/19/23 10:59	1
p-Isopropyltoluene	<0.31		1.0	0.31	ug/L			09/19/23 10:59	1
Benzene	<0.41		1.0	0.41	ug/L			09/19/23 10:59	1
Bromobenzene	<0.80		1.0	0.80	ug/L			09/19/23 10:59	1
Bromoform	<0.26		1.0	0.26	ug/L			09/19/23 10:59	1
Bromomethane	<0.69		1.0	0.69	ug/L			09/19/23 10:59	1
Carbon tetrachloride	<0.27		1.0	0.27	ug/L			09/19/23 10:59	1
Chlorobenzene	<0.75		1.0	0.75	ug/L			09/19/23 10:59	1
Bromochloromethane	<0.87		1.0	0.87	ug/L			09/19/23 10:59	1
Dibromochloromethane	<0.32		1.0	0.32	ug/L			09/19/23 10:59	1
Chloroethane	<0.32		1.0	0.32	ug/L			09/19/23 10:59	1
Chloroform	<0.34		1.0	0.34	ug/L			09/19/23 10:59	1
Chloromethane	<0.35		1.0	0.35	ug/L			09/19/23 10:59	1
cis-1,2-Dichloroethene	<0.81		1.0	0.81	ug/L			09/19/23 10:59	1
Dibromomethane	<0.41		1.0	0.41	ug/L			09/19/23 10:59	1
Bromodichloromethane	<0.39		1.0	0.39	ug/L			09/19/23 10:59	1
Dichlorodifluoromethane	<0.68		1.0	0.68	ug/L			09/19/23 10:59	1
Ethylbenzene	<0.74		1.0	0.74	ug/L			09/19/23 10:59	1
1,2-Dibromoethane	<0.73		1.0	0.73	ug/L			09/19/23 10:59	1
Hexachlorobutadiene	<0.28		2.0	0.28	ug/L			09/19/23 10:59	1
Isopropyl ether	<0.59		1.0	0.59	ug/L			09/19/23 10:59	1
Isopropylbenzene	<0.79		1.0	0.79	ug/L			09/19/23 10:59	1
Methyl tert-butyl ether	<0.16		1.0	0.16	ug/L			09/19/23 10:59	1
Methylene Chloride	<0.44		1.0	0.44	ug/L			09/19/23 10:59	1
m&p-Xylene	<0.66		2.0	0.66	ug/L			09/19/23 10:59	1
Naphthalene	<0.43		1.0	0.43	ug/L			09/19/23 10:59	1
n-Butylbenzene	<0.64		1.0	0.64	ug/L			09/19/23 10:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-683977/8
Matrix: Water
Analysis Batch: 683977

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.69		1.0	0.69	ug/L			09/19/23 10:59	1
o-Xylene	<0.76		1.0	0.76	ug/L			09/19/23 10:59	1
sec-Butylbenzene	<0.75		1.0	0.75	ug/L			09/19/23 10:59	1
Tetrachloroethene	<0.36		1.0	0.36	ug/L			09/19/23 10:59	1
Toluene	<0.51		1.0	0.51	ug/L			09/19/23 10:59	1
trans-1,2-Dichloroethene	<0.90		1.0	0.90	ug/L			09/19/23 10:59	1
trans-1,3-Dichloropropene	<0.37		1.0	0.37	ug/L			09/19/23 10:59	1
Trichloroethene	<0.46		1.0	0.46	ug/L			09/19/23 10:59	1
Trichlorofluoromethane	<0.88		1.0	0.88	ug/L			09/19/23 10:59	1
Vinyl chloride	<0.90		1.0	0.90	ug/L			09/19/23 10:59	1
Xylenes, Total	<0.66		2.0	0.66	ug/L			09/19/23 10:59	1
cis-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			09/19/23 10:59	1
Styrene	<0.73		1.0	0.73	ug/L			09/19/23 10:59	1
tert-Butylbenzene	<0.81		1.0	0.81	ug/L			09/19/23 10:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*09/19/23 10:59*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*09/19/23 10:59*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*09/19/23 10:59*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*09/19/23 10:59*	*1*

Lab Sample ID: LCS 480-683977/6
Matrix: Water
Analysis Batch: 683977

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	25.0	25.4		ug/L		102	80 - 120
1,1,1-Trichloroethane	25.0	27.3		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.5		ug/L		90	76 - 120
1,1,2-Trichloroethane	25.0	22.1		ug/L		88	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127
1,1-Dichloropropene	25.0	24.9		ug/L		100	72 - 122
1,2,3-Trichlorobenzene	25.0	21.9		ug/L		88	75 - 123
1,2,3-Trichloropropane	25.0	25.1		ug/L		101	68 - 122
1,2,4-Trichlorobenzene	25.0	23.2		ug/L		93	79 - 122
1,2,4-Trimethylbenzene	25.0	23.5		ug/L		94	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	20.3		ug/L		81	56 - 134
1,2-Dichlorobenzene	25.0	24.4		ug/L		98	80 - 124
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
1,3,5-Trimethylbenzene	25.0	23.9		ug/L		96	77 - 121
1,3-Dichlorobenzene	25.0	23.5		ug/L		94	77 - 120
1,3-Dichloropropane	25.0	22.7		ug/L		91	75 - 120
1,4-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 120
2,2-Dichloropropane	25.0	27.9		ug/L		112	63 - 136
2-Chlorotoluene	25.0	23.3		ug/L		93	76 - 121
4-Chlorotoluene	25.0	23.6		ug/L		94	77 - 121

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-683977/6
Matrix: Water
Analysis Batch: 683977

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
p-Isopropyltoluene	25.0	24.7		ug/L		99	73 - 120
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromobenzene	25.0	25.4		ug/L		102	78 - 120
Bromoform	25.0	23.6		ug/L		95	61 - 132
Bromomethane	25.0	22.3		ug/L		89	55 - 144
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Bromochloromethane	25.0	28.0		ug/L		112	72 - 130
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125
Chloroethane	25.0	22.1		ug/L		88	69 - 136
Chloroform	25.0	25.4		ug/L		102	73 - 127
Chloromethane	25.0	23.8		ug/L		95	68 - 124
cis-1,2-Dichloroethene	25.0	26.1		ug/L		105	74 - 124
Dibromomethane	25.0	26.0		ug/L		104	76 - 127
Bromodichloromethane	25.0	24.3		ug/L		97	80 - 122
Dichlorodifluoromethane	25.0	22.5		ug/L		90	59 - 135
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
1,2-Dibromoethane	25.0	23.5		ug/L		94	77 - 120
Hexachlorobutadiene	25.0	24.9		ug/L		99	68 - 131
Isopropylbenzene	25.0	24.0		ug/L		96	77 - 122
Methyl tert-butyl ether	25.0	26.2		ug/L		105	77 - 120
Methylene Chloride	25.0	26.7		ug/L		107	75 - 124
m&p-Xylene	25.0	24.8		ug/L		99	76 - 122
Naphthalene	25.0	23.6		ug/L		94	66 - 125
n-Butylbenzene	25.0	23.5		ug/L		94	71 - 128
N-Propylbenzene	25.0	23.6		ug/L		94	75 - 127
o-Xylene	25.0	24.2		ug/L		97	76 - 122
sec-Butylbenzene	25.0	24.3		ug/L		97	74 - 127
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.2		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	26.2		ug/L		105	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	24.6		ug/L		98	74 - 123
Trichlorofluoromethane	25.0	28.8		ug/L		115	62 - 150
Vinyl chloride	25.0	24.8		ug/L		99	65 - 133
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Styrene	25.0	24.5		ug/L		98	80 - 120
tert-Butylbenzene	25.0	24.7		ug/L		99	75 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-212705-1 MS
Matrix: Water
Analysis Batch: 683977

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<3.5		250	254		ug/L		102	80 - 120
1,1,1-Trichloroethane	<8.2		250	261		ug/L		105	73 - 126
1,1,2,2-Tetrachloroethane	<2.1		250	228		ug/L		91	76 - 120
1,1,2-Trichloroethane	<2.3		250	230		ug/L		92	76 - 122
1,1-Dichloroethane	<3.8		250	253		ug/L		101	77 - 120
1,1-Dichloroethene	<2.9		250	234		ug/L		94	66 - 127
1,1-Dichloropropene	<7.2		250	258		ug/L		103	72 - 122
1,2,3-Trichlorobenzene	<4.1		250	226		ug/L		90	75 - 123
1,2,3-Trichloropropane	<8.9		250	251		ug/L		100	68 - 122
1,2,4-Trichlorobenzene	<4.1		250	239		ug/L		96	79 - 122
1,2,4-Trimethylbenzene	<7.5		250	237		ug/L		95	76 - 121
1,2-Dibromo-3-Chloropropane	<3.9		250	224		ug/L		89	56 - 134
1,2-Dichlorobenzene	<7.9		250	244		ug/L		98	80 - 124
1,2-Dichloroethane	<2.1		250	253		ug/L		101	75 - 120
1,2-Dichloropropane	<7.2		250	252		ug/L		101	76 - 120
1,3,5-Trimethylbenzene	<7.7		250	242		ug/L		97	77 - 121
1,3-Dichlorobenzene	<7.8		250	236		ug/L		94	77 - 120
1,3-Dichloropropane	<7.5		250	226		ug/L		91	75 - 120
1,4-Dichlorobenzene	8.6	J	250	246		ug/L		95	78 - 124
2,2-Dichloropropane	<4.0		250	240		ug/L		96	63 - 136
2-Chlorotoluene	<8.6		250	235		ug/L		94	76 - 121
4-Chlorotoluene	<8.4		250	234		ug/L		94	77 - 121
p-Isopropyltoluene	<3.1		250	242		ug/L		97	73 - 120
Benzene	5.8	J	250	252		ug/L		99	71 - 124
Bromobenzene	<8.0		250	244		ug/L		98	78 - 120
Bromoform	<2.6		250	226		ug/L		90	61 - 132
Bromomethane	<6.9		250	219		ug/L		87	55 - 144
Carbon tetrachloride	<2.7		250	266		ug/L		106	72 - 134
Chlorobenzene	110		250	350		ug/L		95	80 - 120
Bromochloromethane	<8.7		250	262		ug/L		105	72 - 130
Dibromochloromethane	<3.2		250	248		ug/L		99	75 - 125
Chloroethane	<3.2		250	228		ug/L		91	69 - 136
Chloroform	<3.4		250	255		ug/L		102	73 - 127
Chloromethane	<3.5		250	244		ug/L		98	68 - 124
cis-1,2-Dichloroethene	<8.1		250	259		ug/L		103	74 - 124
Dibromomethane	<4.1		250	252		ug/L		101	76 - 127
Bromodichloromethane	<3.9		250	248		ug/L		99	80 - 122
Dichlorodifluoromethane	<6.8		250	221		ug/L		88	59 - 135
Ethylbenzene	<7.4		250	237		ug/L		95	77 - 123
1,2-Dibromoethane	<7.3		250	236		ug/L		95	77 - 120
Hexachlorobutadiene	<2.8		250	238		ug/L		95	68 - 131
Isopropylbenzene	20		250	257		ug/L		95	77 - 122
Methyl tert-butyl ether	<1.6		250	246		ug/L		98	77 - 120
Methylene Chloride	<4.4		250	263		ug/L		105	75 - 124
m&p-Xylene	<6.6		250	243		ug/L		97	76 - 122
Naphthalene	<4.3		250	241		ug/L		96	66 - 125
n-Butylbenzene	6.5	J	250	240		ug/L		94	71 - 128
N-Propylbenzene	31		250	264		ug/L		93	75 - 127

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-212705-1 MS
Matrix: Water
Analysis Batch: 683977

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<7.6		250	238		ug/L		95	76 - 122
sec-Butylbenzene	<7.5		250	240		ug/L		96	74 - 127
Tetrachloroethene	<3.6		250	266		ug/L		106	74 - 122
Toluene	<5.1		250	247		ug/L		99	80 - 122
trans-1,2-Dichloroethene	<9.0		250	261		ug/L		104	73 - 127
trans-1,3-Dichloropropene	<3.7		250	222		ug/L		89	80 - 120
Trichloroethene	<4.6		250	250		ug/L		100	74 - 123
Trichlorofluoromethane	<8.8		250	272		ug/L		109	62 - 150
Vinyl chloride	<9.0		250	247		ug/L		99	65 - 133
cis-1,3-Dichloropropene	<3.6		250	233		ug/L		93	74 - 124
Styrene	<7.3		250	235		ug/L		94	80 - 120
tert-Butylbenzene	<8.1		250	261		ug/L		105	75 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*

Lab Sample ID: 480-212705-1 MSD
Matrix: Water
Analysis Batch: 683977

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<3.5		250	250		ug/L		100	80 - 120	2	20
1,1,1-Trichloroethane	<8.2		250	239		ug/L		96	73 - 126	9	15
1,1,2,2-Tetrachloroethane	<2.1		250	229		ug/L		92	76 - 120	1	15
1,1,2-Trichloroethane	<2.3		250	224		ug/L		90	76 - 122	3	15
1,1-Dichloroethane	<3.8		250	226		ug/L		90	77 - 120	11	20
1,1-Dichloroethene	<2.9		250	226		ug/L		91	66 - 127	3	16
1,1-Dichloropropene	<7.2		250	226		ug/L		90	72 - 122	13	20
1,2,3-Trichlorobenzene	<4.1		250	217		ug/L		87	75 - 123	4	20
1,2,3-Trichloropropane	<8.9		250	259		ug/L		104	68 - 122	3	14
1,2,4-Trichlorobenzene	<4.1		250	225		ug/L		90	79 - 122	6	20
1,2,4-Trimethylbenzene	<7.5		250	229		ug/L		92	76 - 121	3	20
1,2-Dibromo-3-Chloropropane	<3.9		250	222		ug/L		89	56 - 134	1	15
1,2-Dichlorobenzene	<7.9		250	235		ug/L		94	80 - 124	4	20
1,2-Dichloroethane	<2.1		250	230		ug/L		92	75 - 120	10	20
1,2-Dichloropropane	<7.2		250	240		ug/L		96	76 - 120	5	20
1,3,5-Trimethylbenzene	<7.7		250	233		ug/L		93	77 - 121	4	20
1,3-Dichlorobenzene	<7.8		250	237		ug/L		95	77 - 120	0	20
1,3-Dichloropropane	<7.5		250	224		ug/L		90	75 - 120	1	20
1,4-Dichlorobenzene	8.6	J	250	237		ug/L		91	78 - 124	4	20
2,2-Dichloropropane	<4.0		250	227		ug/L		91	63 - 136	6	20
2-Chlorotoluene	<8.6		250	228		ug/L		91	76 - 121	3	20
4-Chlorotoluene	<8.4		250	229		ug/L		92	77 - 121	2	15
p-Isopropyltoluene	<3.1		250	235		ug/L		94	73 - 120	3	20
Benzene	5.8	J	250	232		ug/L		91	71 - 124	8	13

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-212705-1 MSD
Matrix: Water
Analysis Batch: 683977

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromobenzene	<8.0		250	242		ug/L		97	78 - 120	1	15
Bromoform	<2.6		250	228		ug/L		91	61 - 132	1	15
Bromomethane	<6.9		250	199		ug/L		80	55 - 144	9	15
Carbon tetrachloride	<2.7		250	245		ug/L		98	72 - 134	8	15
Chlorobenzene	110		250	331		ug/L		87	80 - 120	5	25
Bromochloromethane	<8.7		250	241		ug/L		96	72 - 130	8	15
Dibromochloromethane	<3.2		250	236		ug/L		94	75 - 125	5	15
Chloroethane	<3.2		250	198		ug/L		79	69 - 136	14	15
Chloroform	<3.4		250	226		ug/L		90	73 - 127	12	20
Chloromethane	<3.5		250	209		ug/L		84	68 - 124	15	15
cis-1,2-Dichloroethene	<8.1		250	235		ug/L		94	74 - 124	9	15
Dibromomethane	<4.1		250	245		ug/L		98	76 - 127	3	15
Bromodichloromethane	<3.9		250	225		ug/L		90	80 - 122	10	15
Dichlorodifluoromethane	<6.8		250	185		ug/L		74	59 - 135	18	20
Ethylbenzene	<7.4		250	227		ug/L		91	77 - 123	4	15
1,2-Dibromoethane	<7.3		250	232		ug/L		93	77 - 120	2	15
Hexachlorobutadiene	<2.8		250	231		ug/L		92	68 - 131	3	20
Isopropylbenzene	20		250	254		ug/L		93	77 - 122	1	20
Methyl tert-butyl ether	<1.6		250	232		ug/L		93	77 - 120	6	37
Methylene Chloride	<4.4		250	247		ug/L		99	75 - 124	6	15
m&p-Xylene	<6.6		250	236		ug/L		94	76 - 122	3	16
Naphthalene	<4.3		250	232		ug/L		93	66 - 125	4	20
n-Butylbenzene	6.5	J	250	231		ug/L		90	71 - 128	4	15
N-Propylbenzene	31		250	257		ug/L		90	75 - 127	3	15
o-Xylene	<7.6		250	237		ug/L		95	76 - 122	1	16
sec-Butylbenzene	<7.5		250	238		ug/L		95	74 - 127	1	15
Tetrachloroethene	<3.6		250	254		ug/L		102	74 - 122	4	20
Toluene	<5.1		250	232		ug/L		93	80 - 122	6	15
trans-1,2-Dichloroethene	<9.0		250	235		ug/L		94	73 - 127	10	20
trans-1,3-Dichloropropene	<3.7		250	224		ug/L		89	80 - 120	1	15
Trichloroethene	<4.6		250	220		ug/L		88	74 - 123	13	16
Trichlorofluoromethane	<8.8		250	260		ug/L		104	62 - 150	4	20
Vinyl chloride	<9.0		250	222		ug/L		89	65 - 133	11	15
cis-1,3-Dichloropropene	<3.6		250	221		ug/L		89	74 - 124	5	15
Styrene	<7.3		250	231		ug/L		92	80 - 120	2	20
tert-Butylbenzene	<8.1		250	252		ug/L		101	75 - 123	4	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
Dibromofluoromethane (Surr)	*103*		*75 - 123*

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

GC/MS VOA

Analysis Batch: 683675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212705-2	501A (11-13`)	Total/NA	Solid	8260C	683698
MB 480-683698/1-A	Method Blank	Total/NA	Solid	8260C	683698
LCS 480-683698/2-A	Lab Control Sample	Total/NA	Solid	8260C	683698

Prep Batch: 683698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212705-2	501A (11-13`)	Total/NA	Solid	5035A_H	
MB 480-683698/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-683698/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 683977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212705-1	TMW501	Total/NA	Water	8260C	
MB 480-683977/8	Method Blank	Total/NA	Water	8260C	
LCS 480-683977/6	Lab Control Sample	Total/NA	Water	8260C	
480-212705-1 MS	TMW501	Total/NA	Water	8260C	
480-212705-1 MSD	TMW501	Total/NA	Water	8260C	

General Chemistry

Analysis Batch: 683713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212705-2	501A (11-13`)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Client Sample ID: TMW501

Lab Sample ID: 480-212705-1
Date Collected: 09/13/23 13:30
Matrix: Water
Date Received: 09/14/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260C		10	683977	AXK	EET BUF	09/19/23 11:55

Client Sample ID: 501A (11-13`)

Lab Sample ID: 480-212705-2
Date Collected: 09/13/23 11:00
Matrix: Solid
Date Received: 09/14/23 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	683713	AF	EET BUF	09/15/23 15:17

Client Sample ID: 501A (11-13`)

Lab Sample ID: 480-212705-2
Date Collected: 09/13/23 11:00
Matrix: Solid
Date Received: 09/14/23 10:00
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035A_H			683698	ATG	EET BUF	09/15/23 13:50
Total/NA	Analysis	8260C		1	683675	AXK	EET BUF	09/15/23 22:28

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-212705-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998310390	08-31-24

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

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
5030C	Purge and Trap	SW846	EET BUF
5035A_H	Closed System Purge and Trap	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-212705-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212705-1	TMW501	Water	09/13/23 13:30	09/14/23 10:00
480-212705-2	501A (11-13`)	Solid	09/13/23 11:00	09/14/23 10:00

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-212705-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	1,1,1,2-Tetrachloroethane	Water	Total/NA	ug/L	1.0	1.1667
8260C	1,1,1-Trichloroethane	Water	Total/NA	ug/L	1.0	2.7333
8260C	1,1-Dichloroethane	Solid	Total/NA	ug/Kg	100	103
8260C	1,1-Dichloroethane	Water	Total/NA	ug/L	1.0	1.2667
8260C	1,1-Dichloroethene	Solid	Total/NA	ug/Kg	100	115.3
8260C	1,1-Dichloropropene	Water	Total/NA	ug/L	1.0	2.400
8260C	1,2,3-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	153.3
8260C	1,2,3-Trichlorobenzene	Water	Total/NA	ug/L	1.0	1.3667
8260C	1,2,3-Trichloropropane	Water	Total/NA	ug/L	1.0	2.9667
8260C	1,2,4-Trichlorobenzene	Solid	Total/NA	ug/Kg	100	126.33
8260C	1,2,4-Trichlorobenzene	Water	Total/NA	ug/L	1.0	1.3667
8260C	1,2,4-Trimethylbenzene	Water	Total/NA	ug/L	1.0	2.500
8260C	1,2-Dibromo-3-Chloropropane	Solid	Total/NA	ug/Kg	100	166.67
8260C	1,2-Dibromo-3-Chloropropane	Water	Total/NA	ug/L	1.0	1.300
8260C	1,2-Dibromoethane	Water	Total/NA	ug/L	1.0	2.4333
8260C	1,2-Dichlorobenzene	Water	Total/NA	ug/L	1.0	2.6333
8260C	1,2-Dichloroethane	Solid	Total/NA	ug/Kg	100	136.3
8260C	1,2-Dichloropropane	Water	Total/NA	ug/L	1.0	2.4000
8260C	1,3,5-Trimethylbenzene	Solid	Total/NA	ug/Kg	100	100.7
8260C	1,3,5-Trimethylbenzene	Water	Total/NA	ug/L	1.0	2.5667
8260C	1,3-Dichlorobenzene	Water	Total/NA	ug/L	1.0	2.600
8260C	1,3-Dichloropropane	Water	Total/NA	ug/L	1.0	2.500
8260C	1,4-Dichlorobenzene	Water	Total/NA	ug/L	1.0	2.800
8260C	2,2-Dichloropropane	Water	Total/NA	ug/L	1.0	1.333
8260C	2-Chlorotoluene	Solid	Total/NA	ug/Kg	100	127.67
8260C	2-Chlorotoluene	Water	Total/NA	ug/L	1.0	2.8667
8260C	4-Chlorotoluene	Water	Total/NA	ug/L	1.0	2.800
8260C	Benzene	Water	Total/NA	ug/L	1.0	1.3667
8260C	Bromobenzene	Water	Total/NA	ug/L	1.0	2.667
8260C	Bromochloromethane	Solid	Total/NA	ug/Kg	100	120.33
8260C	Bromochloromethane	Water	Total/NA	ug/L	1.0	2.900
8260C	Bromodichloromethane	Water	Total/NA	ug/L	1.0	1.2667
8260C	Bromoform	Solid	Total/NA	ug/Kg	100	167.67
8260C	Bromomethane	Water	Total/NA	ug/L	1.0	2.300
8260C	Chlorobenzene	Water	Total/NA	ug/L	1.0	2.500
8260C	Chloroethane	Water	Total/NA	ug/L	1.0	1.0667
8260C	Chloroform	Solid	Total/NA	ug/Kg	100	228.66
8260C	Chloroform	Water	Total/NA	ug/L	1.0	1.1333
8260C	Chloromethane	Water	Total/NA	ug/L	1.0	1.1667
8260C	cis-1,2-Dichloroethene	Water	Total/NA	ug/L	1.0	2.700
8260C	cis-1,3-Dichloropropene	Water	Total/NA	ug/L	1.0	1.200
8260C	Dibromochloromethane	Solid	Total/NA	ug/Kg	100	161.33
8260C	Dibromochloromethane	Water	Total/NA	ug/L	1.0	1.0667
8260C	Dibromomethane	Solid	Total/NA	ug/Kg	100	108.33
8260C	Dibromomethane	Water	Total/NA	ug/L	1.0	1.3667
8260C	Dichlorodifluoromethane	Solid	Total/NA	ug/Kg	100	145.33
8260C	Dichlorodifluoromethane	Water	Total/NA	ug/L	1.0	2.2667
8260C	Ethylbenzene	Water	Total/NA	ug/L	1.0	2.4667
8260C	Hexachlorobutadiene	Solid	Total/NA	ug/Kg	100	132.0

Quantitation Limit Exceptions Summary

Client: Waste Management
Job ID: 480-212705-1
Project/Site: Orchard Ridge-Boundary Road

The requested project specific reporting limits listed below were less than laboratory standard quantitation limits (PQL) but greater than or equal to the laboratory method detection limits (MDL). It must be noted that results reported below lab standard quantitation limits may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

Method	Analyte	Matrix	Prep Type	Unit	Client RL	Lab PQL
8260C	Isopropyl ether	Solid	Total/NA	ug/Kg	100	176.67
8260C	Isopropyl ether	Water	Total/NA	ug/L	1.0	1.9667
8260C	Isopropylbenzene	Water	Total/NA	ug/L	1.0	2.6333
8260C	m&p-Xylene	Water	Total/NA	ug/L	2.0	2.200
8260C	Methyl tert-butyl ether	Solid	Total/NA	ug/Kg	100	126.0
8260C	Methylene Chloride	Water	Total/NA	ug/L	1.0	1.4667
8260C	Naphthalene	Solid	Total/NA	ug/Kg	100	112.33
8260C	Naphthalene	Water	Total/NA	ug/L	1.0	1.4333
8260C	n-Butylbenzene	Water	Total/NA	ug/L	1.0	2.1333
8260C	N-Propylbenzene	Water	Total/NA	ug/L	1.0	2.300
8260C	o-Xylene	Water	Total/NA	ug/L	1.0	2.5333
8260C	p-Isopropyltoluene	Solid	Total/NA	ug/Kg	100	112.33
8260C	p-Isopropyltoluene	Water	Total/NA	ug/L	1.0	1.033
8260C	sec-Butylbenzene	Solid	Total/NA	ug/Kg	100	122.67
8260C	sec-Butylbenzene	Water	Total/NA	ug/L	1.0	2.500
8260C	Styrene	Water	Total/NA	ug/L	1.0	2.4333
8260C	tert-Butylbenzene	Water	Total/NA	ug/L	1.0	2.700
8260C	Tetrachloroethene	Water	Total/NA	ug/L	1.0	1.200
8260C	Toluene	Water	Total/NA	ug/L	1.0	1.700
8260C	trans-1,2-Dichloroethene	Water	Total/NA	ug/L	1.0	3.00
8260C	trans-1,3-Dichloropropene	Water	Total/NA	ug/L	1.0	1.2333
8260C	Trichloroethene	Water	Total/NA	ug/L	1.0	1.5333
8260C	Trichlorofluoromethane	Solid	Total/NA	ug/Kg	100	156.33
8260C	Trichlorofluoromethane	Water	Total/NA	ug/L	1.0	2.9333
8260C	Vinyl chloride	Solid	Total/NA	ug/Kg	100	111.67
8260C	Vinyl chloride	Water	Total/NA	ug/L	1.0	3.00
8260C	Xylenes, Total	Water	Total/NA	ug/L	2.0	2.200

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716.691.2600 fax 716.691.7991

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: WDNR R&R

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date: 9/13/23	COC No:
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	1 of 1 COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #:
Menomonee Falls, WI 53051	Analysis Turnaround Time			Sampler:
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name: Orchard Ridge - Boundary Road	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Site: Boundary Road landfill				Job / SDG No.:
P O # 48025931				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocs	8260 - VOCs dry weight	Sample Specific Notes:
TMW501	9/13/23	13:30	G	GW	3	N	N			X	
501A (11-13')	9/13/23	11:00	G	S	2	N	N		X	X	

480-212705 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

1 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

#1 2.6 ICE

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: SCS Engineers	Date/Time: 9/13/23	Received by:	Company: TAB	Date/Time: 9/14/23 1000
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

9/22/2023

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-212705-1

Login Number: 212705
List Number: 1
Creator: Yeager, Brian A

List Source: Eurofins Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	SCS
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Dan Roche
Waste Management
W124 N9355 Boundary Road
Menomonee Falls, Wisconsin 53051

Generated 11/28/2023 4:53:15 PM

JOB DESCRIPTION

Orchard Ridge-Boundary Road

JOB NUMBER

480-215005-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

Job Notes

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

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization

Generated
11/28/2023 4:53:15 PM

Authorized for release by
Joshua Velez, Project Management Assistant I
Joshua.Velez@et.eurofinsus.com
Designee for
Katelyn Proulx, Project Manager I
Katelyn.Proulx@et.eurofinsus.com
(716)691-2600

Table of Contents

Definitions/Glossary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
^c	CCV Recovery is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Job ID: 480-215005-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-215005-1

Receipt
The sample was received on 11/17/2023 9:35 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.9º C.

Receipt Exceptions
Received two of three voa vials with bubble greater than 6mm.

GC/MS VOA
Method 8260D: The method blank for analytical batch 500-743775 contained 1,2,4-Trichlorobenzene, 1,2,3-Trichlorobenzene, Methylene Chloride, and Naphthalene above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8260D: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The sample was analyzed outside the 7-day holding time specified for unpreserved samples but within the 14-day holding time specified for preserved samples: TMW501 (480-215005-1).

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

Detection Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Client Sample ID: TMW501

Lab Sample ID: 480-215005-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.38	J	1.0	0.33	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	6.6		1.0	0.36	ug/L	1		8260D	Total/NA
Benzene	3.1		0.50	0.15	ug/L	1		8260D	Total/NA
Chlorobenzene	93		1.0	0.39	ug/L	1		8260D	Total/NA
Isopropylbenzene	5.0	^c	1.0	0.39	ug/L	1		8260D	Total/NA
Methylene Chloride	1.8	J B	5.0	1.6	ug/L	1		8260D	Total/NA
Naphthalene	0.75	J B	1.0	0.34	ug/L	1		8260D	Total/NA
N-Propylbenzene	2.8		1.0	0.41	ug/L	1		8260D	Total/NA
sec-Butylbenzene	0.88	J	1.0	0.40	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Client Sample ID: TMW501
Date Collected: 11/16/23 13:15
Date Received: 11/17/23 09:35

Lab Sample ID: 480-215005-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/27/23 12:00	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/27/23 12:00	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/27/23 12:00	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/27/23 12:00	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/27/23 12:00	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/27/23 12:00	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			11/27/23 12:00	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/27/23 12:00	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			11/27/23 12:00	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/27/23 12:00	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/27/23 12:00	1
1,2-Dichlorobenzene	**0.38**	**J**	1.0	0.33	ug/L			11/27/23 12:00	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/27/23 12:00	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/27/23 12:00	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/27/23 12:00	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/27/23 12:00	1
1,4-Dichlorobenzene	**6.6**		1.0	0.36	ug/L			11/27/23 12:00	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/27/23 12:00	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/27/23 12:00	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/27/23 12:00	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/27/23 12:00	1
Benzene	**3.1**		0.50	0.15	ug/L			11/27/23 12:00	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/27/23 12:00	1
Bromoform	<0.48		1.0	0.48	ug/L			11/27/23 12:00	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/27/23 12:00	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/27/23 12:00	1
Chlorobenzene	**93**		1.0	0.39	ug/L			11/27/23 12:00	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/27/23 12:00	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/27/23 12:00	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/27/23 12:00	1
Chloroform	<0.37		2.0	0.37	ug/L			11/27/23 12:00	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/27/23 12:00	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/27/23 12:00	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/27/23 12:00	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/27/23 12:00	1
Dichlorodifluoromethane	<0.67	^c	3.0	0.67	ug/L			11/27/23 12:00	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/27/23 12:00	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
Hexachlorobutadiene	<0.45	^c	1.0	0.45	ug/L			11/27/23 12:00	1
Isopropyl ether	<0.28	^c	1.0	0.28	ug/L			11/27/23 12:00	1
Isopropylbenzene	**5.0**	**^c**	1.0	0.39	ug/L			11/27/23 12:00	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
Methylene Chloride	**1.8**	**J B**	5.0	1.6	ug/L			11/27/23 12:00	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			11/27/23 12:00	1
Naphthalene	**0.75**	**J B**	1.0	0.34	ug/L			11/27/23 12:00	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
N-Propylbenzene	**2.8**		1.0	0.41	ug/L			11/27/23 12:00	1

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Client Sample ID: TMW501
Date Collected: 11/16/23 13:15
Date Received: 11/17/23 09:35

Lab Sample ID: 480-215005-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.22		0.50	0.22	ug/L			11/27/23 12:00	1
sec-Butylbenzene	**0.88**	**J**	1.0	0.40	ug/L			11/27/23 12:00	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/27/23 12:00	1
Toluene	<0.15		0.50	0.15	ug/L			11/27/23 12:00	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/27/23 12:00	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/27/23 12:00	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/27/23 12:00	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/27/23 12:00	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/27/23 12:00	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/27/23 12:00	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/27/23 12:00	1
Styrene	<0.39		1.0	0.39	ug/L			11/27/23 12:00	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/27/23 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*		*11/27/23 12:00*	*1*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*		*11/27/23 12:00*	*1*
Toluene-d8 (Surr)	*90*		*75 - 120*		*11/27/23 12:00*	*1*

Surrogate Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)		
		DCA	BFB	TOL
Lab Sample ID	Client Sample ID	(75-126)	(72-124)	(75-120)
480-215005-1	TMW501	100	105	90
480-215005-1 MS	TMW501	100	108	89
480-215005-1 MSD	TMW501	101	105	92
LCS 500-743775/4	Lab Control Sample	99	100	93
MB 500-743775/7	Method Blank	104	98	92

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 500-743775/7
Matrix: Water
Analysis Batch: 743775

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			11/27/23 11:37	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			11/27/23 11:37	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			11/27/23 11:37	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			11/27/23 11:37	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			11/27/23 11:37	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			11/27/23 11:37	1
1,2,3-Trichlorobenzene	0.572	J	1.0	0.46	ug/L			11/27/23 11:37	1
1,2,3-Trichloropropane	<0.41		2.0	0.41	ug/L			11/27/23 11:37	1
1,2,4-Trichlorobenzene	0.470	J	1.0	0.34	ug/L			11/27/23 11:37	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			11/27/23 11:37	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			11/27/23 11:37	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			11/27/23 11:37	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			11/27/23 11:37	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			11/27/23 11:37	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
2,2-Dichloropropane	<0.44		5.0	0.44	ug/L			11/27/23 11:37	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			11/27/23 11:37	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			11/27/23 11:37	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
Benzene	<0.15		0.50	0.15	ug/L			11/27/23 11:37	1
Bromobenzene	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
Bromoform	<0.48		1.0	0.48	ug/L			11/27/23 11:37	1
Bromomethane	<0.80		3.0	0.80	ug/L			11/27/23 11:37	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			11/27/23 11:37	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			11/27/23 11:37	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			11/27/23 11:37	1
Chloroethane	<0.51		5.0	0.51	ug/L			11/27/23 11:37	1
Chloroform	<0.37		2.0	0.37	ug/L			11/27/23 11:37	1
Chloromethane	<0.32		5.0	0.32	ug/L			11/27/23 11:37	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			11/27/23 11:37	1
Dibromomethane	<0.27		1.0	0.27	ug/L			11/27/23 11:37	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			11/27/23 11:37	1
Dichlorodifluoromethane	<0.67		3.0	0.67	ug/L			11/27/23 11:37	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			11/27/23 11:37	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			11/27/23 11:37	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			11/27/23 11:37	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
Methylene Chloride	1.83	J	5.0	1.6	ug/L			11/27/23 11:37	1
m&p-Xylene	<0.18		1.0	0.18	ug/L			11/27/23 11:37	1
Naphthalene	0.730	J	1.0	0.34	ug/L			11/27/23 11:37	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 500-743775/7
Matrix: Water
Analysis Batch: 743775

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

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
N-Propylbenzene	<0.41		1.0	0.41	ug/L			11/27/23 11:37	1
o-Xylene	<0.22		0.50	0.22	ug/L			11/27/23 11:37	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			11/27/23 11:37	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			11/27/23 11:37	1
Toluene	<0.15		0.50	0.15	ug/L			11/27/23 11:37	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			11/27/23 11:37	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			11/27/23 11:37	1
Trichloroethene	<0.16		0.50	0.16	ug/L			11/27/23 11:37	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			11/27/23 11:37	1
Vinyl chloride	<0.20		1.0	0.20	ug/L			11/27/23 11:37	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			11/27/23 11:37	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			11/27/23 11:37	1
Styrene	<0.39		1.0	0.39	ug/L			11/27/23 11:37	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			11/27/23 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*75 - 126*		*11/27/23 11:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*11/27/23 11:37*	*1*
Toluene-d8 (Surr)	*92*		*75 - 120*		*11/27/23 11:37*	*1*

Lab Sample ID: LCS 500-743775/4
Matrix: Water
Analysis Batch: 743775

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	54.0		ug/L		108	70 - 125
1,1,1-Trichloroethane	50.0	49.7		ug/L		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	50.6		ug/L		101	62 - 140
1,1,2-Trichloroethane	50.0	47.7		ug/L		95	71 - 130
1,1-Dichloroethane	50.0	49.5		ug/L		99	70 - 125
1,1-Dichloroethene	50.0	43.9		ug/L		88	67 - 122
1,1-Dichloropropene	50.0	51.2		ug/L		102	70 - 121
1,2,3-Trichlorobenzene	50.0	42.3		ug/L		85	51 - 145
1,2,3-Trichloropropane	50.0	52.9		ug/L		106	50 - 133
1,2,4-Trichlorobenzene	50.0	43.0		ug/L		86	57 - 137
1,2,4-Trimethylbenzene	50.0	52.2		ug/L		104	70 - 123
1,2-Dibromo-3-Chloropropane	50.0	52.3		ug/L		105	56 - 123
1,2-Dichlorobenzene	50.0	49.3		ug/L		99	70 - 125
1,2-Dichloroethane	50.0	52.8		ug/L		106	68 - 127
1,2-Dichloropropane	50.0	51.5		ug/L		103	67 - 130
1,3,5-Trimethylbenzene	50.0	51.8		ug/L		104	70 - 123
1,3-Dichlorobenzene	50.0	49.8		ug/L		100	70 - 125
1,3-Dichloropropane	50.0	47.5		ug/L		95	62 - 136
1,4-Dichlorobenzene	50.0	49.0		ug/L		98	70 - 120
2,2-Dichloropropane	50.0	46.5		ug/L		93	58 - 139
2-Chlorotoluene	50.0	52.2		ug/L		104	70 - 125
4-Chlorotoluene	50.0	51.6		ug/L		103	68 - 124
p-Isopropyltoluene	50.0	50.3		ug/L		101	70 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 500-743775/4
Matrix: Water
Analysis Batch: 743775

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	50.0	46.3		ug/L		93	70 - 120
Bromobenzene	50.0	52.3		ug/L		105	70 - 122
Bromoform	50.0	56.8		ug/L		114	56 - 132
Bromomethane	50.0	43.5		ug/L		87	40 - 152
Carbon tetrachloride	50.0	52.7		ug/L		105	59 - 133
Chlorobenzene	50.0	48.3		ug/L		97	70 - 120
Bromochloromethane	50.0	47.5		ug/L		95	65 - 122
Dibromochloromethane	50.0	51.5		ug/L		103	68 - 125
Chloroethane	50.0	43.5		ug/L		87	48 - 136
Chloroform	50.0	49.3		ug/L		99	70 - 120
Chloromethane	50.0	51.4		ug/L		103	56 - 152
cis-1,2-Dichloroethene	50.0	47.4		ug/L		95	70 - 125
Dibromomethane	50.0	50.9		ug/L		102	70 - 120
Bromodichloromethane	50.0	50.1		ug/L		100	69 - 120
Dichlorodifluoromethane	50.0	40.0		ug/L		80	40 - 159
Ethylbenzene	50.0	47.9		ug/L		96	70 - 123
1,2-Dibromoethane	50.0	48.3		ug/L		97	70 - 125
Hexachlorobutadiene	50.0	33.9		ug/L		68	51 - 150
Isopropylbenzene	50.0	50.6		ug/L		101	70 - 126
Methyl tert-butyl ether	50.0	48.4		ug/L		97	55 - 123
Methylene Chloride	50.0	44.0		ug/L		88	69 - 125
m&p-Xylene	50.0	52.1		ug/L		104	70 - 125
Naphthalene	50.0	43.7		ug/L		87	53 - 144
n-Butylbenzene	50.0	47.4		ug/L		95	68 - 125
N-Propylbenzene	50.0	50.6		ug/L		101	69 - 127
o-Xylene	50.0	54.4		ug/L		109	70 - 120
sec-Butylbenzene	50.0	48.7		ug/L		97	70 - 123
Tetrachloroethene	50.0	47.6		ug/L		95	70 - 128
Toluene	50.0	45.1		ug/L		90	70 - 125
trans-1,2-Dichloroethene	50.0	45.0		ug/L		90	70 - 125
trans-1,3-Dichloropropene	50.0	49.4		ug/L		99	62 - 128
Trichloroethene	50.0	48.3		ug/L		97	70 - 125
Trichlorofluoromethane	50.0	49.5		ug/L		99	55 - 128
Vinyl chloride	50.0	42.5		ug/L		85	64 - 126
cis-1,3-Dichloropropene	50.0	51.7		ug/L		103	64 - 127
Styrene	50.0	53.7		ug/L		107	70 - 120
tert-Butylbenzene	50.0	51.7		ug/L		103	70 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*75 - 126*
4-Bromofluorobenzene (Surr)	*100*		*72 - 124*
Toluene-d8 (Surr)	*93*		*75 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-215005-1 MS
Matrix: Water
Analysis Batch: 743775

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	<0.46		50.0	46.1		ug/L		92	70 - 125
1,1,1-Trichloroethane	<0.38		50.0	44.3		ug/L		89	70 - 125
1,1,2,2-Tetrachloroethane	<0.40		50.0	49.7		ug/L		99	62 - 140
1,1,2-Trichloroethane	<0.35		50.0	46.7		ug/L		93	71 - 130
1,1-Dichloroethane	<0.41		50.0	45.5		ug/L		91	70 - 125
1,1-Dichloroethene	<0.39		50.0	39.0		ug/L		78	67 - 122
1,1-Dichloropropene	<0.30		50.0	48.9		ug/L		98	70 - 121
1,2,3-Trichlorobenzene	<0.46		50.0	38.8		ug/L		78	51 - 145
1,2,3-Trichloropropane	<0.41		50.0	51.8		ug/L		104	50 - 133
1,2,4-Trichlorobenzene	<0.34		50.0	39.2		ug/L		78	57 - 137
1,2,4-Trimethylbenzene	<0.36		50.0	50.8		ug/L		102	70 - 123
1,2-Dibromo-3-Chloropropane	<2.0		50.0	47.8		ug/L		96	56 - 123
1,2-Dichlorobenzene	0.38	J	50.0	47.3		ug/L		94	70 - 125
1,2-Dichloroethane	<0.39		50.0	51.5		ug/L		103	68 - 127
1,2-Dichloropropane	<0.43		50.0	51.4		ug/L		103	67 - 130
1,3,5-Trimethylbenzene	<0.25		50.0	50.8		ug/L		102	70 - 123
1,3-Dichlorobenzene	<0.40		50.0	49.1		ug/L		98	70 - 125
1,3-Dichloropropane	<0.36		50.0	50.0		ug/L		100	62 - 136
1,4-Dichlorobenzene	6.6		50.0	53.9		ug/L		95	70 - 120
2,2-Dichloropropane	<0.44		50.0	38.1		ug/L		76	58 - 139
2-Chlorotoluene	<0.31		50.0	51.2		ug/L		102	70 - 125
4-Chlorotoluene	<0.35		50.0	52.1		ug/L		104	68 - 124
p-Isopropyltoluene	<0.36		50.0	50.3		ug/L		101	70 - 125
Benzene	3.1		50.0	48.0		ug/L		90	70 - 120
Bromobenzene	<0.36		50.0	54.1		ug/L		108	70 - 122
Bromoform	<0.48		50.0	51.1		ug/L		102	56 - 132
Bromomethane	<0.80		50.0	40.7		ug/L		81	40 - 152
Carbon tetrachloride	<0.38		50.0	46.9		ug/L		94	59 - 133
Chlorobenzene	93		50.0	135		ug/L		84	70 - 120
Bromochloromethane	<0.43		50.0	44.3		ug/L		89	65 - 122
Dibromochloromethane	<0.49		50.0	49.1		ug/L		98	68 - 125
Chloroethane	<0.51		50.0	41.4		ug/L		83	48 - 136
Chloroform	<0.37		50.0	45.2		ug/L		90	70 - 120
Chloromethane	<0.32		50.0	46.2		ug/L		92	56 - 152
cis-1,2-Dichloroethene	<0.41		50.0	43.2		ug/L		86	70 - 125
Dibromomethane	<0.27		50.0	50.6		ug/L		101	70 - 120
Bromodichloromethane	<0.37		50.0	50.4		ug/L		101	69 - 120
Dichlorodifluoromethane	<0.67	^c	50.0	38.2		ug/L		76	40 - 159
Ethylbenzene	<0.18		50.0	44.7		ug/L		89	70 - 123
1,2-Dibromoethane	<0.39		50.0	50.1		ug/L		100	70 - 125
Hexachlorobutadiene	<0.45	^c	50.0	35.6		ug/L		71	51 - 150
Isopropylbenzene	5.0	^c	50.0	54.6		ug/L		99	70 - 126
Methyl tert-butyl ether	<0.39		50.0	42.8		ug/L		86	55 - 123
Methylene Chloride	1.8	J B	50.0	41.3		ug/L		79	69 - 125
m&p-Xylene	<0.18		50.0	48.4		ug/L		97	70 - 125
Naphthalene	0.75	J B	50.0	41.9		ug/L		82	53 - 144
n-Butylbenzene	<0.39		50.0	49.0		ug/L		98	68 - 125
N-Propylbenzene	2.8		50.0	53.0		ug/L		100	69 - 127

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-215005-1 MS
Matrix: Water
Analysis Batch: 743775

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.22		50.0	48.5		ug/L		97	70 - 120
sec-Butylbenzene	0.88	J	50.0	50.1		ug/L		99	70 - 123
Tetrachloroethene	<0.37		50.0	44.7		ug/L		89	70 - 128
Toluene	<0.15		50.0	42.2		ug/L		84	70 - 125
trans-1,2-Dichloroethene	<0.35		50.0	40.2		ug/L		80	70 - 125
trans-1,3-Dichloropropene	<0.36		50.0	53.0		ug/L		106	62 - 128
Trichloroethene	<0.16		50.0	47.6		ug/L		95	70 - 125
Trichlorofluoromethane	<0.43		50.0	46.2		ug/L		92	55 - 128
Vinyl chloride	<0.20		50.0	38.2		ug/L		76	64 - 126
cis-1,3-Dichloropropene	<0.42		50.0	51.7		ug/L		103	64 - 127
Styrene	<0.39		50.0	51.0		ug/L		102	70 - 120
tert-Butylbenzene	<0.40		50.0	52.5		ug/L		105	70 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
4-Bromofluorobenzene (Surr)	*108*		*72 - 124*
Toluene-d8 (Surr)	*89*		*75 - 120*

Lab Sample ID: 480-215005-1 MSD
Matrix: Water
Analysis Batch: 743775

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	<0.46		50.0	51.6		ug/L		103	70 - 125	11	20
1,1,1-Trichloroethane	<0.38		50.0	48.1		ug/L		96	70 - 125	8	20
1,1,2,2-Tetrachloroethane	<0.40		50.0	53.4		ug/L		107	62 - 140	7	20
1,1,2-Trichloroethane	<0.35		50.0	49.4		ug/L		99	71 - 130	6	20
1,1-Dichloroethane	<0.41		50.0	49.6		ug/L		99	70 - 125	9	20
1,1-Dichloroethene	<0.39		50.0	43.5		ug/L		87	67 - 122	11	20
1,1-Dichloropropene	<0.30		50.0	52.0		ug/L		104	70 - 121	6	20
1,2,3-Trichlorobenzene	<0.46		50.0	41.0		ug/L		82	51 - 145	5	20
1,2,3-Trichloropropane	<0.41		50.0	55.0		ug/L		110	50 - 133	6	20
1,2,4-Trichlorobenzene	<0.34		50.0	41.2		ug/L		82	57 - 137	5	20
1,2,4-Trimethylbenzene	<0.36		50.0	53.8		ug/L		108	70 - 123	6	20
1,2-Dibromo-3-Chloropropane	<2.0		50.0	54.9		ug/L		110	56 - 123	14	20
1,2-Dichlorobenzene	0.38	J	50.0	50.2		ug/L		100	70 - 125	6	20
1,2-Dichloroethane	<0.39		50.0	54.1		ug/L		108	68 - 127	5	20
1,2-Dichloropropane	<0.43		50.0	54.1		ug/L		108	67 - 130	5	20
1,3,5-Trimethylbenzene	<0.25		50.0	53.1		ug/L		106	70 - 123	5	20
1,3-Dichlorobenzene	<0.40		50.0	50.6		ug/L		101	70 - 125	3	20
1,3-Dichloropropane	<0.36		50.0	50.8		ug/L		102	62 - 136	2	20
1,4-Dichlorobenzene	6.6		50.0	55.4		ug/L		98	70 - 120	3	20
2,2-Dichloropropane	<0.44		50.0	41.0		ug/L		82	58 - 139	7	20
2-Chlorotoluene	<0.31		50.0	53.2		ug/L		106	70 - 125	4	20
4-Chlorotoluene	<0.35		50.0	53.1		ug/L		106	68 - 124	2	20
p-Isopropyltoluene	<0.36		50.0	53.4		ug/L		107	70 - 125	6	20
Benzene	3.1		50.0	50.2		ug/L		94	70 - 120	5	20
Bromobenzene	<0.36		50.0	55.1		ug/L		110	70 - 122	2	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 480-215005-1 MSD
Matrix: Water
Analysis Batch: 743775

Client Sample ID: TMW501
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Bromoform	<0.48		50.0	55.5		ug/L		111	56 - 132	8	20
Bromomethane	<0.80		50.0	43.3		ug/L		87	40 - 152	6	20
Carbon tetrachloride	<0.38		50.0	51.8		ug/L		104	59 - 133	10	20
Chlorobenzene	93		50.0	137		ug/L		87	70 - 120	1	20
Bromochloromethane	<0.43		50.0	48.2		ug/L		96	65 - 122	9	20
Dibromochloromethane	<0.49		50.0	51.9		ug/L		104	68 - 125	6	20
Chloroethane	<0.51		50.0	44.1		ug/L		88	48 - 136	6	20
Chloroform	<0.37		50.0	48.9		ug/L		98	70 - 120	8	20
Chloromethane	<0.32		50.0	49.9		ug/L		100	56 - 152	8	20
cis-1,2-Dichloroethene	<0.41		50.0	46.9		ug/L		94	70 - 125	8	20
Dibromomethane	<0.27		50.0	53.1		ug/L		106	70 - 120	5	20
Bromodichloromethane	<0.37		50.0	52.3		ug/L		105	69 - 120	4	20
Dichlorodifluoromethane	<0.67	^c	50.0	42.4		ug/L		85	40 - 159	10	20
Ethylbenzene	<0.18		50.0	47.7		ug/L		95	70 - 123	7	20
1,2-Dibromoethane	<0.39		50.0	51.8		ug/L		104	70 - 125	3	20
Hexachlorobutadiene	<0.45	^c	50.0	39.1		ug/L		78	51 - 150	10	20
Isopropylbenzene	5.0	^c	50.0	57.3		ug/L		105	70 - 126	5	20
Methyl tert-butyl ether	<0.39		50.0	47.9		ug/L		96	55 - 123	11	20
Methylene Chloride	1.8	J B	50.0	45.7		ug/L		88	69 - 125	10	20
m&p-Xylene	<0.18		50.0	51.2		ug/L		102	70 - 125	6	20
Naphthalene	0.75	J B	50.0	46.3		ug/L		91	53 - 144	10	20
n-Butylbenzene	<0.39		50.0	52.0		ug/L		104	68 - 125	6	20
N-Propylbenzene	2.8		50.0	54.6		ug/L		104	69 - 127	3	20
o-Xylene	<0.22		50.0	52.4		ug/L		105	70 - 120	8	20
sec-Butylbenzene	0.88	J	50.0	52.8		ug/L		104	70 - 123	5	20
Tetrachloroethene	<0.37		50.0	47.2		ug/L		94	70 - 128	5	20
Toluene	<0.15		50.0	44.7		ug/L		89	70 - 125	6	20
trans-1,2-Dichloroethene	<0.35		50.0	44.7		ug/L		89	70 - 125	11	20
trans-1,3-Dichloropropene	<0.36		50.0	53.4		ug/L		107	62 - 128	1	20
Trichloroethene	<0.16		50.0	50.1		ug/L		100	70 - 125	5	20
Trichlorofluoromethane	<0.43		50.0	49.2		ug/L		98	55 - 128	6	20
Vinyl chloride	<0.20		50.0	41.2		ug/L		82	64 - 126	8	20
cis-1,3-Dichloropropene	<0.42		50.0	53.4		ug/L		107	64 - 127	3	20
Styrene	<0.39		50.0	53.3		ug/L		107	70 - 120	4	20
tert-Butylbenzene	<0.40		50.0	55.0		ug/L		110	70 - 121	5	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*
4-Bromofluorobenzene (Surr)	*105*		*72 - 124*
Toluene-d8 (Surr)	*92*		*75 - 120*

QC Association Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

GC/MS VOA

Analysis Batch: 743775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-215005-1	TMW501	Total/NA	Water	8260D	
MB 500-743775/7	Method Blank	Total/NA	Water	8260D	
LCS 500-743775/4	Lab Control Sample	Total/NA	Water	8260D	
480-215005-1 MS	TMW501	Total/NA	Water	8260D	
480-215005-1 MSD	TMW501	Total/NA	Water	8260D	

Lab Chronicle

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Client Sample ID: TMW501

Date Collected: 11/16/23 13:15
Date Received: 11/17/23 09:35

Lab Sample ID: 480-215005-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	743775	AJP	EET CHI	11/27/23 12:00

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: Waste Management
Job ID: 480-215005-1
Project/Site: Orchard Ridge-Boundary Road

Laboratory: Eurofins Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	999580010	08-31-24

Method Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CHI
5030B	Purge and Trap	SW846	EET CHI

Protocol References:

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

Laboratory References:

EET CHI = Eurofins Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: Waste Management
Project/Site: Orchard Ridge-Boundary Road

Job ID: 480-215005-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-215005-1	TMW501	Water	11/16/23 13:15	11/17/23 09:35

Chain of Custody Record

Eurofins Buffalo
10 Hazelwood Drive

Amherst, NY 14228-2223
phone 716 691 2600 fax 716 691 7991

eurofins Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☑Other **WDNR R&R**

480-215005 COC

Eurofins Environment Testing America

Client Contact	Project Manager: Dan Roche	Site Contact: Eric Oelkers	Date:	COC No
Waste Management	Email: droche@wm.com	Lab Contact :Katie Proulx	Carrier:FedEx	___1___ of ___1___ COCs
W124 N 9355 Boundary Road	Tel/Fax: 630-362-9550			TALS Project #
Menomonee Falls, WI 53051	**Analysis Turnaround Time**			Sampler
(xxx) xxx-xxxx Phone	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(xxx) xxx-xxxx FAX	TAT if different from Below 5 days			Walk-in Client:
Project Name Orchard Ridge - Boundary Road	☐ 2 weeks			Lab Sampling
Site Boundary Road landfill	☐ 1 week 5 day TAT			
P O # 48025931	☐ 2 days			Job / SDG No
	☐ 1 day			480-215005

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	6010C, 7471B, 8082A PCBs, 8 RC	8262C - vocS	Sample Specific Notes
TMW501	11/16/23	1:15	G	GW	3				X	
								1	1	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

4.5 + 3.9

Custody Seals Intact. ☐ Yes ☐ No | Custody Seal No | Cooler Temp (°C) Obs'd _____ Corr'd _____ | Therm ID No _____

Relinquished by	Company SCS Engineers	Date/Time 11/16/23 3:35pm	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Relinquished by	Company	Date/Time	Received in Laboratory by Stephanie Hernandez	Company EEA	Date/Time 11/17/23 0935

Login Sample Receipt Checklist

Client: Waste Management

Job Number: 480-215005-1

Login Number: 215005
List Number: 2
Creator: Hernandez, Stephanie

List Source: Eurofins Chicago
List Creation: 11/17/23 05:22 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	False	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	