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Remediation, Water Treatment and Environmental Engineering
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June 17, 2022

Mr. Ben McPherson
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue
Buffalo, New York 14203

Re: Work Plan for Track 2 Soil Sampling (Revised)
Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, NY 14086
BCP Site No. C915344

Dear Mr. McPherson:

Matrix Environmental Technologies Inc. (METI) submits this Work Plan, on behalf of 65 Lake Avenue LLC, to complete soil borings and collect soil samples at the Site. The purpose of the borings is to collect additional data to support a BCP Track 2 cleanup and to further define the limits of the proposed soil excavation. The borings completed for the purpose of delineation were the subject of the approved *Revised Work Plan for Soil Borings* (February 9, 2022); additional details are provided in that Work Plan.

The need for additional data to support a BCP Track 2 cleanup was identified in Comment #19 of the May 7, 2021 Department's review of the Remedial Investigation/Alternatives Analysis Report (RI/AA) Report. Documentation of the fill material used in the construction of Buildings A, B, and C has recently been provided. Therefore, attainment of Soil Cleanup Objectives (SCOs) at the specified soil boring locations, which were selected in consultation with NYSDEC, will allow 65 Lake Avenue LLC to pursue a Track 2 cleanup as proposed in the RI/AA Report.

The scope of work includes the following:

- Complete a total of eight (8) soil borings with a Geoprobe. The soil samples will be collected in five-foot intervals, screened with a calibrated OVM equipped with a PID and characterized by a Field Geologist. Screening results and soil descriptions will be recorded on soil boring logs.

- Five (5) boring locations will be completed to demonstrate that soil to a depth of 15 feet bgs (or above bedrock, if bedrock is encountered less than 15 feet bgs), meet the applicable Soil Cleanup Objectives (SCOs) for a Track 2 cleanup as proposed in the RI/AA Report. The locations, designated as SB113 through SB117, are shown in Figure 1. Samples will be collected from the fill material (approximately 0 to 2 feet bgs), clay layer (approximately 5 to 10 feet bgs), and alluvium (approximately 10 to 15 feet bgs). Sampling depths within each geologic zone are estimated based on previous data; actual sample depths at each location will be

determined in the field. Samples from the clay layer at the SB113 location and from the alluvium layer at the SB115, SB116, and SB117 locations were collected during previous remedial investigations and will not be recollected as reference in Figure 1. All samples will be analyzed for the full suite of BCP contaminants.

- Three (3) boring locations will be completed to further define the limits of soil excavation. The locations, designated as SB205 through SB207, are shown in Figure 1. Two (2) soil samples from each boring, one from the shallow fill material and another from the clay layer, will be submitted for laboratory analysis of TCL VOCs. Laboratory analytical results from locations sampled in March 2022 are included in the attached Table 1. The analytical report is also attached.

Soil samples will be place in pre-cleaned laboratory-provided sample bottles, labeled and cooled to 4ºC in the field, and transported under chain-of-custody to a NYSDOH ELAP certified analytical laboratory for the following analyses:

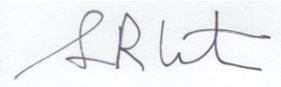
- 17 samples for TCL VOCs via EPA Method 8260;
- 11 samples for TCL SVOCs, including 1,4-dioxane, via EPA Method 8270;
- 11 samples for TAL Metals via EPA Methods 6010 and 7470;
- 11 samples for TCL PCBs via EPA Method 8082;
- 11 samples for pesticides and herbicides via EPA Method 8081/8151;
- 11 samples for TCL SVOCs via EPA Method 8270; and
- 11 samples for PFAS via EPA Method 537M.

Refer to the Remedial Investigation Work Plan (RIWP) for additional details on sampling procedures. Air monitoring will occur during all intrusive Site activities in accordance with the approved Community Air Monitoring Plan (CAMP) submitted as part of the RIWP. The CAMP is included in **Appendix A** for reference.

Potentially contaminated materials (gloves, clothing, sample sleeves, etc.) will be bagged and segregated for proper disposal. Investigation-derived waste will be managed in accordance with NYSDEC regulations. Following the completion of soil borings, drill cuttings and other soil generated during the investigation will be managed according to DER-10 Section 3.3(e)(1). Drill cuttings may be utilized on-Site to fill the borehole that generated them to within 24 inches of surface unless the conditions specified in DER-10 Section 3.3(e)(1)(ii) are met. Cuttings may initially be placed on plastic sheeting as generated but will be containerized as drilling progresses. Excess drill cuttings and soils will be containerized in 55-gallon drums for off-Site disposal. The drums will be stored temporarily in the northeastern portion of the parking lot in an area cordoned off using plastic construction fencing.

The work is scheduled to be completed on June 20, 2022 pending approval of this Work Plan. Soil analytical results and boring logs will be included in the Remedial Action Workplan (RAWP). Please contact us with any questions or comments.

Sincerely,
Matrix Environmental Technologies Inc.



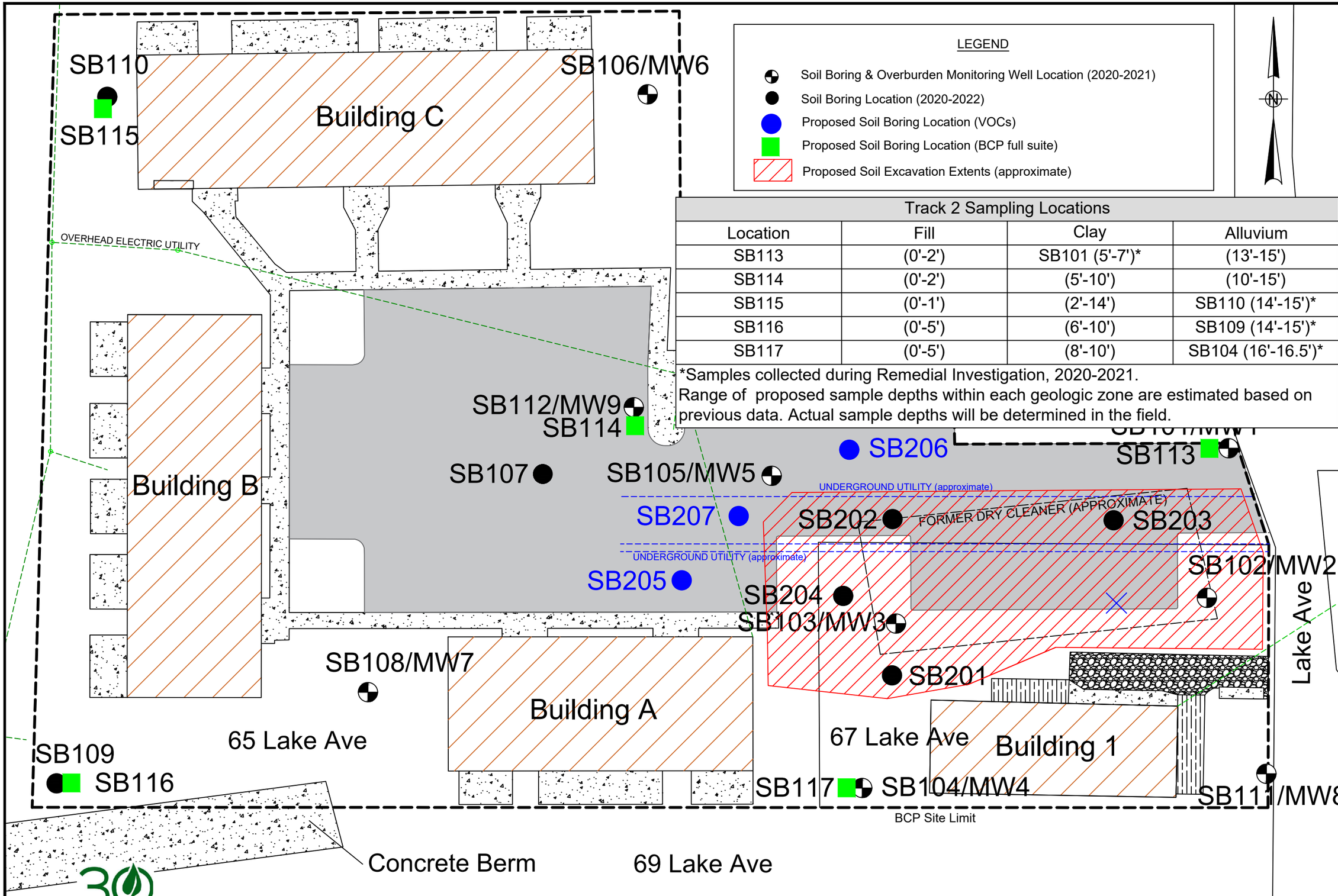
Christine M. Curtis, P.E.
Senior Engineer

Sean R. Carter, P.E.
Principal Engineer

Enclosure

cc: Mr. Mark Aquino, 65 Lake Avenue LLC
Mr. Richard Moore, Esq.
Ms. Andrea Caprio, NYSDEC
Ms. Teresa Mucha, Esq., NYSDEC
Ms. Charlotte Bethoney, NYSDOH
Ms. Sara Bogardus, NYSDOH

FIGURE



LEGEND

- Soil Boring & Overburden Monitoring Well Location (2020-2021)
- Soil Boring Location (2020-2022)
- Proposed Soil Boring Location (VOCs)
- Proposed Soil Boring Location (BCP full suite)
- Proposed Soil Excavation Extents (approximate)

Track 2 Sampling Locations

Location	Fill	Clay	Alluvium
SB113	(0'-2')	SB101 (5'-7')*	(13'-15')
SB114	(0'-2')	(5'-10')	(10'-15')
SB115	(0'-1')	(2'-14')	SB110 (14'-15')*
SB116	(0'-5')	(6'-10')	SB109 (14'-15')*
SB117	(0'-5')	(8'-10')	SB104 (16'-16.5')*

*Samples collected during Remedial Investigation, 2020-2021.
Range of proposed sample depths within each geologic zone are estimated based on previous data. Actual sample depths will be determined in the field.

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PREPARED FOR:

65 Lake Avenue LLC

PROJECT MGR: SLM

DESIGNED BY: CMC

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION

BY	DATE
CMC	6/2/22

SCALE IN FEET: 1" = 20'

PROJECT NAME / LOCATION:

Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, New York

BCP Site No. C915344

TITLE:

Proposed Soil Boring Locations for Track 2 and Remedial Excavation Delineation

DATE: N/A

PROJECT NO.: 18-046

FIGURE: 1

30 years dedicated to a CLEANER ENVIRONMENT 1991-2021

TABLE

Table 1
Soil VOC Concentrations

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

PARAMETER	Protection of Groundwater SCO	Restricted-Residential Use SCO	SB201 (1.8-2.3)		SB201 (6-6.5)		SB202 (2-2.5)		SB202 (6-6.5)		SB203 (2-2.5)	
		Sampling Date	**3/2/2022**		**3/2/2022**		**3/2/2022**		**3/2/2022**		**3/2/2022**	
Acetone	0.05	**100**	0.37	J	ND		ND		ND		ND	
cis-1,2-Dichloroethene	**0.25**	100	ND		ND		ND		0.210		ND	
Cyclohexane	NA	NA	0.095		ND		ND		ND		ND	
Methyl acetate	NA	NA	ND		ND		ND		ND		ND	
Methylcyclohexane	NA	NA	0.300		ND		ND		ND		ND	
Tetrachloroethene	**1.3**	19	1.800		0.084		8.800		2.900		1.600	
trans-1,2-Dichloroethene	**0.19**	100	ND		ND		ND		0.013	J	ND	
Trichloroethene	**0.47**	21	ND		ND		0.180	J	0.710		ND	
Vinyl chloride	**0.02**	0.9	ND		ND		ND		ND		ND	
		Total	**2.565**		**0.084**		**8.980**		**3.833**		**1.6000**	

NOTES:
1. Analytical testing for VOCs via EPA Method 8260C by Eurofins.
2. Results present in mg/kg.
3. ND = Not Detected; NA = Not Applicable
4. Regulatory standards and results are shown for detected compounds only. Vinyl chloride is also shown.
5. Soil Cleanup Objectives (SCOs) from NYCRR Part 375
6. "J" = estimated value
7. The applicable SCO (Protection of Groundwater or Restricted Residential) for each compound is shaded.
8. Yellow highlighted values exceed the applicable Protection of Groundwater SCO or Restricted Residential SCO.

Table 1 (Continued)
Soil VOC Concentrations

Lakeside Village Apartments
65-67 Lake Avenue, Lancaster, New York
BCP Site No. C915344

PARAMETER	Protection of Groundwater SCO	Restricted-Residential Use SCO	SB203 (5-5.5)		SB204 (2.75-3.2)		SB204 (5.5-6.0)		LF1	
		Sampling Date	**3/2/2022**		**3/2/2022**		**3/2/2022**		**3/2/2022**	
Acetone	0.05	**100**	ND		ND		ND		ND	
cis-1,2-Dichloroethene	**0.25**	100	0.160		3.0		0.990		0.370	
Cyclohexane	NA	NA	ND		ND		ND		ND	
Methyl acetate	NA	NA	0.046	J	ND		ND		ND	
Methylcyclohexane	NA	NA	ND		ND		ND		ND	
Tetrachloroethene	**1.3**	19	0.230		19		0.026	J	2.50	
trans-1,2-Dichloroethene	**0.19**	100	0.013	J	1.3		0.028	J	0.14	
Trichloroethene	**0.47**	21	0.037	J	7.0		ND		1.2	
Vinyl chloride	**0.02**	0.9	ND		ND		0.033	J	ND	
		Total	**0.486**		**30.3**		**1.077**		**4.21**	

NOTES:
1. Analytical testing for VOCs via EPA Method 8260C by Eurofins.
2. Results present in mg/kg.
3. ND = Not Detected; NA = Not Applicable
4. Regulatory standards and results are shown for detected compounds only. Vinyl chloride is also shown.
5. Soil Cleanup Objectives (SCOs) from NYCRR Part 375
6. "J" = estimated value
7. The applicable SCO (Protection of Groundwater or Restricted Residential) for each compound is shaded.
8. Yellow highlighted values exceed the applicable Protection of Groundwater SCO or Restricted Residential SCO.

APPENDIX A

Community Air Monitoring Program

COMMUNITY AIR MONITORING PLAN

March 2020

Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, New York
Site #C915344

Prepared For:
65 Lake Avenue LLC
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Lancaster, New York 14086

Prepared By:

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2.0 VOLATILE ORGANIC COMPOUND AIR MONITORING 1

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FIGURE

Figure 1: Potential Air Monitoring Device Locations

ATTACHMENTS

Attachment A: NYSDEC DER-10 Appendix 1A, New York State Department of Health, Generic Community Air Monitoring Plan

Attachment B: Special CAMP Requirements for Work in or Near Buildings

Attachment C: NYSDEC DER-10 Appendix 1B, Fugitive Dust and Particulate Monitoring

1.0 INTRODUCTION

This document presents a Community Air Monitoring Plan (CAMP) to be implemented during remedial investigation (RI) activities at the Lakeside Village Apartments Site in Lancaster, New York. Matrix Environmental Technologies Inc. (METI) has prepared this CAMP on behalf of 65 Lake Avenue LLC.

Generic CAMP monitoring will be performed during non-intrusive activities, such as the collection of surface soil and groundwater samples from pre-existing monitoring wells, and during intrusive activities not taking place within 20 feet of potentially exposed populations or structures. Additional special requirements CAMP monitoring will be conducted during the installation of soil borings and monitoring wells located within 20 feet of potentially exposed populations or structures.

This CAMP will be completed in general accordance with NYSDEC DER-10 Appendix 1A, which is included in **Attachment A**, and the "Special CAMP Requirements for Work In or Near Buildings" provided by NYSDEC, included in **Attachment B**. Proposed monitoring locations are shown in **Figure 1**.

2.0 VOLATILE ORGANIC COMPOUND AIR MONITORING

VOCs will be monitored at the upwind and downwind perimeters of the work area on a continuous basis during intrusive activities and periodically during non-intrusive activities. The upwind and downwind locations will be determined based on observed wind conditions during ground intrusive work. MiniRAE 3000 organic vapor meters (OVMs) equipped with a photoionization detector (PID) with an 11.7 eV lamp will be used provide real-time recordable air monitoring data. The meters will be capable of calculating 15-minute running average concentrations for comparison to the action levels and will be equipped with an audible and/or visual alarm to indicate exceedance of the action level.

Generic CAMP VOC monitoring action levels as per DER-10 Technical Guidance for Site Investigations and Remediation are as follows:

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background (as measured at the upwind perimeter of the work area) for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If the organic vapor level at the perimeter of the work area persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions take to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or

residential/commercial structure, whichever is less; but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shut down.

Additional special requirements CAMP VOC monitoring action levels as per NYSDEC guidance are as follows:

- If total VOC concentrations next to the nearest air intake for the occupied building nearest the work area exceed 1 ppm, monitoring will occur within the occupied structure. Background readings in the occupied spaces will be taken prior to the commencement of the planned work assuming access is granted by the lessee.

3.0 PARTICULATE AIR MONITORING

The remediation crew will make all efforts to suppress dust and particulate matter during the handling of contaminated soil. Fugitive dust and particulate monitoring will be completed in accordance with the Special CAMP Requirements and DER-10 Appendix 1B, as included in **Attachment C**. The following techniques have been shown to be effective for the controlling the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and/or
(g) Reducing the excavation size and/or number of excavations.

Care will be taken not to use excess water, which can result in unacceptably wet site conditions.

Weather conditions will be evaluated during remedial work. When extreme wind conditions make dust control ineffective, remedial actions may need to be suspended as a last resort.

Dust and particulate monitoring will be conducted continuously at upwind and downwind perimeters of the work area during ground intrusive activities. If visual evidence of dust is apparent in other locations, monitoring equipment will be placed where necessary.

Particulate air monitoring will be done with a DataRAM-4 (or similar), which will be capable of reading particles less than 10 micrometers in size (PM-10). The meters will be capable of calculating 15-minute running average concentrations for comparison to the action levels and will be equipped with an audible and/or visual alarm to indicate exceedance of the action level. Particulate monitoring action levels for general CAMP monitoring are as follows:

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter ($\mu g/m^3$) greater than background for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 $\mu g/m^3$ above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 $\mu g/m^3$ above the upwind level, work must be stopped and a reevaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 $\mu g/m^3$ of the upwind level and in preventing visible dust migration.

Additional special requirements CAMP particulate monitoring action levels as per NYSDEC guidance are as follows:

- If total particulate concentrations next to the nearest air intake for the occupied building nearest the work area exceed 150 $\mu g/m^3$, work activities will be suspended until controls are implemented and are successful in reducing the total particulate concentrations to 150 $\mu g/m^3$ or less at the monitoring point.

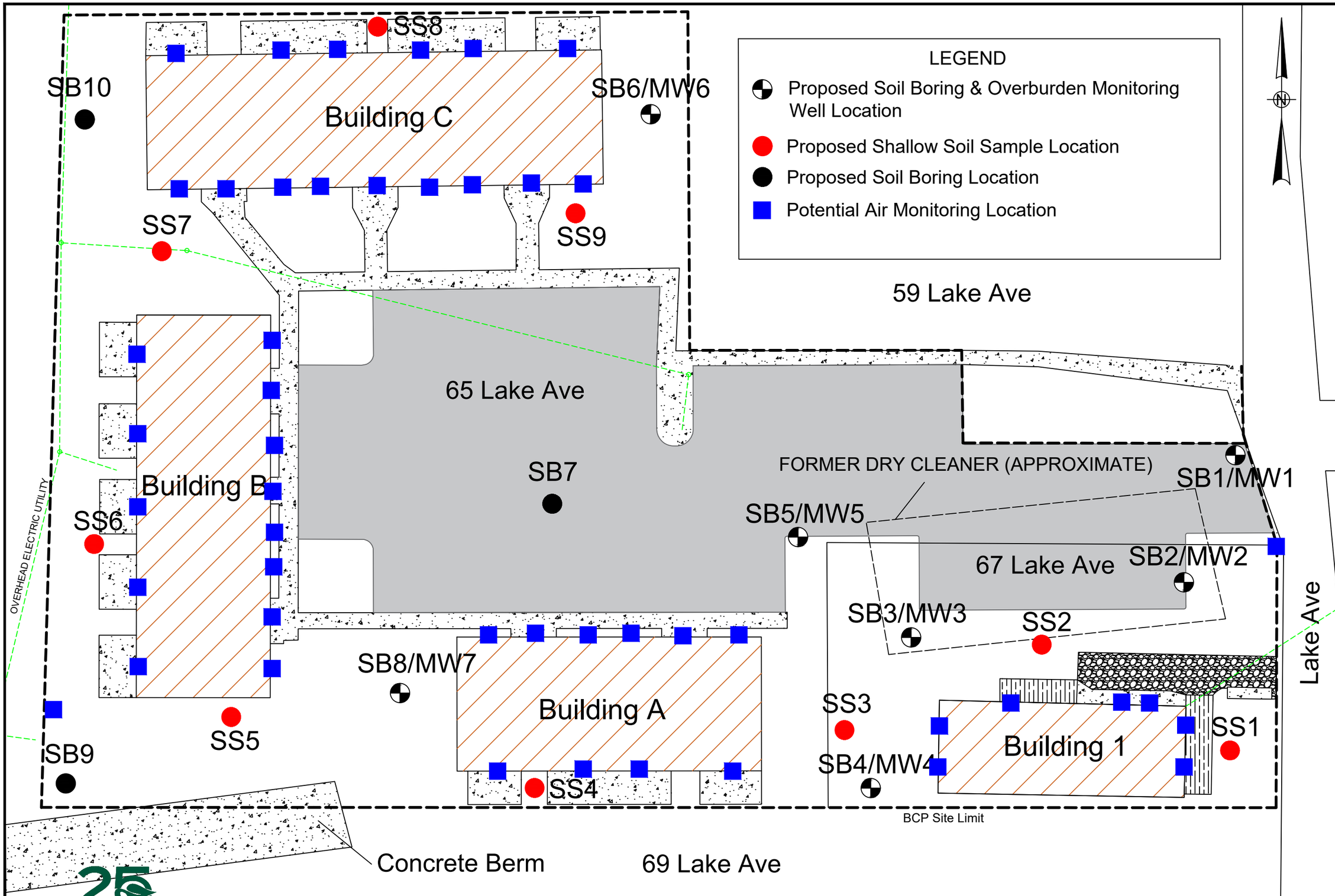
4.0 DOCUMENTATION

All 15-minute readings will be recorded and be available for or State (NYSDEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

5.0 WIND DIRECTION

Prevailing wind direction will be recorded at the beginning of each work day by visual observations of an on-site windsock. As wind direction may change throughout the work day, direction will be reestablished if a significant change in direction is observed. The wind direction results will be utilized to determine the placement of the monitoring equipment.

FIGURE



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PREPARED FOR:
65 Lake Avenue LLC

PROJECT MGR: SLM

DESIGNED BY: CMC

REVIEWED BY: SRC

DRAWN BY: CMC

REVISION	
BY	DATE

SCALE IN FEET: 1" = 20'
0 20

PROJECT NAME / LOCATION:
Lakeside Village Apartments
65-67 Lake Avenue
Lancaster, New York

BCP Site No. C915344

TITLE:
Potential Air Monitoring Device Locations

DATE: N/A

PROJECT NO.: 18-046

FIGURE: 1

25 years dedicated to a CLEANER ENVIRONMENT 1991-2016

ATTACHMENT A

NYSDEC DER-10 Appendix 1A New York State Department of Health Generic Community Air Monitoring Plan

Appendix 1A
New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

ATTACHMENT B

Special CAMP Requirements for Work in or Near Buildings

Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure(s). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.
- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m^3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m^3 or less at the monitoring point.
- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen sulfide, carbon monoxide) may also need to be monitored. Response levels and actions should be pre-determined, as necessary, for each site.

Special Requirements for Indoor Work With Co-Located Residences or Facilities

Unless a self-contained, negative-pressure enclosure with proper emission controls will encompass the work area, all individuals not directly involved with the planned work must be absent from the room in which the work will occur. Monitoring requirements shall be as stated above under “Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures” except that in this instance “nearby/occupied structures” would be adjacent occupied rooms. Additionally, the location of all exhaust vents in the room and their discharge points, as well as potential vapor pathways (openings, conduits, etc.) relative to adjoining rooms, should be understood and the monitoring locations established accordingly. In these situations, it is strongly recommended that exhaust fans or other engineering controls be used to create negative air pressure within the work area during remedial activities. Additionally, it is strongly recommended that the planned work be implemented during hours (e.g. weekends or evenings) when building occupancy is at a minimum.

ATTACHMENT C

NYSDEC DER-10 Appendix 1B Fugitive Dust and Particulate Monitoring

Appendix 1B
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50° C (14 to 122° F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

Appendix 1C
DEC Permits Subject to Exemption

In accordance with section 1.10, exemptions from the following permit programs may be granted to the person responsible for conducting the remedial programs undertaken pursuant to section 1.2:

Air - Title 5 permits
Air - State permits
Air - Registrations
Ballast Discharge
Chemical Control
Coastal Erosion Hazard Areas
Construction of Hazardous Waste Management Facilities
Construction of Solid Waste Management Facilities
Dams
Excavation and Fill in Navigatable Waters (Article 15)
Flood Hazard Area Development
Freshwater Wetland
Hazardous Waste
Long Island Wells
Mined Land Reclamation
Navigation Law - Docks
Navigation Law - Floating Objects
Navigation Law - Marinas
Non-Industrial Waste Transport
Operation of Solid Waste Management Facilities
Operation of Hazardous Waste Management Facilities
State Pollution Discharge Elimination Systems (SPDES)
Stream Disturbance
Tidal Wetlands
Water Quality Certification
Water Supply
Wild, Scenic and Recreational Rivers

APPENDIX B

Laboratory Analytical Report

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-195466-1
Client Project/Site: Project # 18-046 - Lakeside Village Apts

For:
Matrix Environmental Technologies Inc
3730 California Road
PO BOX 427
Orchard Park, New York 14127

Attn: Ms. Christine Curtis

Authorized for release by:
3/16/2022 11:59:11 AM
Wyatt Watson, Project Management Assistant I
Wyatt.Watson@Eurofinset.com

Designee for

Steve Hartmann, Project Manager
(413)572-4000
Steve.Hartmann@Eurofinset.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

GC Semi VOA

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

Metals

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

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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: 480-195466-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-195466-1

Comments
No additional comments.

Receipt
The samples were received on 3/3/2022 1:35 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.8º C.

Receipt Exceptions
The following samples were preserved via freezing on 3/3/22 at 1500: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8), LF1 (480-195466-9), LF2 (480-195466-10) and LF1 (480-195466-11) .

The following samples were received at the laboratory outside the required temperature criteria: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8), LF1 (480-195466-9), LF2 (480-195466-10) and LF1 (480-195466-11).

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-616884 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: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (2-2.5) (480-195466-3), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (2.75-3.2) (480-195466-7), SB204 (5.5-6.0) (480-195466-8) and LF1 (480-195466-11).

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: SB202 (2-2.5) (480-195466-3) and SB204 (2.75-3.2) (480-195466-7). 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: SB201 (1.8-2.3) (480-195466-1), SB201 (6-6.5) (480-195466-2), SB202 (6-6.5) (480-195466-4), SB203 (2-2.5) (480-195466-5), SB203 (5-5.5) (480-195466-6), SB204 (5.5-6.0) (480-195466-8) and LF1 (480-195466-11). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted due to the nature of the TCLP matrix: LF1 (480-195466-9), LF2 (480-195466-10) and (LB 480-616936/1-A). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-617050 recovered above the upper control limit for 2-Butanone (MEK). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: LF1 (480-195466-9) and LF2 (480-195466-10).

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

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

GC VOA
Method 8015D: Reported analyte concentrations in the following samples are below 200 ug/kg and may be biased low due to the samples not being collected according to 5035-L/5035A-L low-level specifications: LF1 (480-195466-9) and LF2 (480-195466-10).

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

GC Semi VOA

Job ID: 480-195466-1 (Continued)

Laboratory: Eurofins Buffalo (Continued)

Method 8151A: The continuing calibration verification (CCV) associated with batch 480-617225 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: LF1 (480-195466-9) and LF2 (480-195466-10).

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.

General Chemistry
Method 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following samples has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: LF1 (480-195466-9) and LF2 (480-195466-10).

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-616935 and 480-617096.

Method 8151A: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-616935 and 480-617097.

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

Detection Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Client Sample ID: SB201 (1.8-2.3) — Lab Sample ID: 480-195466-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	370	J	450	370	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	95		89	20	ug/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	300		89	42	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	1800		89	12	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB201 (6-6.5) — Lab Sample ID: 480-195466-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	84		54	7.3	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB202 (2-2.5) — Lab Sample ID: 480-195466-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	8800		200	27	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	180	J	200	56	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: SB202 (6-6.5) — Lab Sample ID: 480-195466-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	210		56	16	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2900		56	7.6	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	13	J	56	13	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	710		56	16	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB203 (2-2.5) — Lab Sample ID: 480-195466-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1600		50	6.7	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB203 (5-5.5) — Lab Sample ID: 480-195466-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	160		51	14	ug/Kg	1	☼	8260C	Total/NA
Methyl acetate	46	J	250	24	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	230		51	6.8	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	13	J	51	12	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	37	J	51	14	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: SB204 (2.75-3.2) — Lab Sample ID: 480-195466-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3000		240	65	ug/Kg	4	☼	8260C	Total/NA
Tetrachloroethene	19000		240	32	ug/Kg	4	☼	8260C	Total/NA
trans-1,2-Dichloroethene	1300		240	56	ug/Kg	4	☼	8260C	Total/NA
Trichloroethene	7000		240	66	ug/Kg	4	☼	8260C	Total/NA

Client Sample ID: SB204 (5.5-6.0) — Lab Sample ID: 480-195466-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	990		60	17	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	26	J	60	8.1	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	28	J	60	14	ug/Kg	1	☼	8260C	Total/NA
Vinyl chloride	33	J	60	20	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1 — Lab Sample ID: 480-195466-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.011		0.010	0.0036	mg/L	10		8260C	TCLP
Trichloroethene	0.011		0.010	0.0046	mg/L	10		8260C	TCLP
GRO (C6-C10)	1.8		1.4	0.38	mg/Kg	1	☼	8015D	Total/NA
Diesel Range Organics [C10-C28]	9.6	J	19	5.8	mg/Kg	1	☼	8015D	Total/NA
Barium	0.75	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.0018	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.0075	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>175		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	8.8	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	19.8	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: LF2 — Lab Sample ID: 480-195466-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.014		0.010	0.0036	mg/L	10		8260C	TCLP
GRO (C6-C10)	1.8		1.5	0.40	mg/Kg	1	☼	8015D	Total/NA
Diesel Range Organics [C10-C28]	28		21	6.3	mg/Kg	1	☼	8015D	Total/NA
Barium	0.63	J	1.0	0.10	mg/L	1		6010C	TCLP
Cadmium	0.00086	J	0.0020	0.00050	mg/L	1		6010C	TCLP
Lead	0.011	J	0.020	0.0030	mg/L	1		6010C	TCLP
Flashpoint	>175		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	9.2	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	19.9	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

Client Sample ID: LF1 — Lab Sample ID: 480-195466-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	370		59	16	ug/Kg	1	☼	8260C	Total/NA
Tetrachloroethene	2500		59	8.0	ug/Kg	1	☼	8260C	Total/NA
trans-1,2-Dichloroethene	140		59	14	ug/Kg	1	☼	8260C	Total/NA
Trichloroethene	1200		59	16	ug/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB201 (1.8-2.3)

Date Collected: 03/02/22 09:55
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-1

Matrix: Solid
Percent Solids: 76.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2,2-Tetrachloroethane	ND		89	15	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2-Trichloroethane	ND		89	19	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1-Dichloroethane	ND		89	28	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,1-Dichloroethene	ND		89	31	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2,4-Trichlorobenzene	ND		89	34	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dibromo-3-Chloropropane	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichlorobenzene	ND		89	23	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichloroethane	ND		89	37	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dichloropropane	ND		89	14	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,3-Dichlorobenzene	ND		89	24	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,4-Dichlorobenzene	ND		89	13	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
2-Butanone (MEK)	ND		450	270	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
2-Hexanone	ND		450	180	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
4-Methyl-2-pentanone (MIBK)	ND		450	29	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Acetone	**370**	**J**	450	370	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Benzene	ND		89	17	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromodichloromethane	ND		89	18	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromoform	ND		89	45	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Bromomethane	ND		89	20	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Carbon disulfide	ND		89	41	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Carbon tetrachloride	ND		89	23	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chlorobenzene	ND		89	12	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Dibromochloromethane	ND		89	43	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloroethane	ND		89	19	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloroform	ND		89	61	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Chloromethane	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
cis-1,2-Dichloroethene	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
cis-1,3-Dichloropropene	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Cyclohexane	**95**		89	20	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Dichlorodifluoromethane	ND		89	39	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Ethylbenzene	ND		89	26	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
1,2-Dibromoethane	ND		89	16	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Isopropylbenzene	ND		89	13	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methyl acetate	ND		450	43	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methyl tert-butyl ether	ND		89	34	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methylcyclohexane	**300**		89	42	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Methylene Chloride	ND		89	18	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Styrene	ND		89	22	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Tetrachloroethene	**1800**		89	12	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Toluene	ND		89	24	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
trans-1,2-Dichloroethene	ND		89	21	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
trans-1,3-Dichloropropene	ND		89	8.8	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Trichloroethene	ND		89	25	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Trichlorofluoromethane	ND		89	42	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Vinyl chloride	ND		89	30	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1
Xylenes, Total	ND		180	50	ug/Kg	☼	03/03/22 17:00	03/06/22 00:50	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB201 (1.8-2.3)

Lab Sample ID: 480-195466-1
Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 76.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*03/03/22 17:00*	*03/06/22 00:50*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*03/03/22 17:00*	*03/06/22 00:50*	*1*

Client Sample ID: SB201 (6-6.5)

Lab Sample ID: 480-195466-2
Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2,2-Tetrachloroethane	ND		54	8.8	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2-Trichloroethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1-Dichloroethane	ND		54	17	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,1-Dichloroethene	ND		54	19	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2,4-Trichlorobenzene	ND		54	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dibromo-3-Chloropropane	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichloroethane	ND		54	22	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dichloropropane	ND		54	8.7	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,3-Dichlorobenzene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,4-Dichlorobenzene	ND		54	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
2-Butanone (MEK)	ND		270	160	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
2-Hexanone	ND		270	110	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
4-Methyl-2-pentanone (MIBK)	ND		270	17	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Acetone	ND		270	220	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Benzene	ND		54	10	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromodichloromethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromoform	ND		54	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Bromomethane	ND		54	12	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Carbon disulfide	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Carbon tetrachloride	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chlorobenzene	ND		54	7.1	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Dibromochloromethane	ND		54	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloroethane	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloroform	ND		54	37	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Chloromethane	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
cis-1,2-Dichloroethene	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
cis-1,3-Dichloropropene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Cyclohexane	ND		54	12	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Dichlorodifluoromethane	ND		54	24	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Ethylbenzene	ND		54	16	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
1,2-Dibromoethane	ND		54	9.4	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Isopropylbenzene	ND		54	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methyl acetate	ND		270	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methyl tert-butyl ether	ND		54	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methylcyclohexane	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Methylene Chloride	ND		54	11	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2

Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Tetrachloroethene	**84**		54	7.3	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Toluene	ND		54	14	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
trans-1,2-Dichloroethene	ND		54	13	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
trans-1,3-Dichloropropene	ND		54	5.3	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Trichloroethene	ND		54	15	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Trichlorofluoromethane	ND		54	25	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Vinyl chloride	ND		54	18	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1
Xylenes, Total	ND		110	30	ug/Kg	☼	03/03/22 17:00	03/06/22 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*50 - 149*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
4-Bromofluorobenzene (Surr)	*94*		*49 - 148*	*03/03/22 17:00*	*03/06/22 01:12*	*1*
Dibromofluoromethane (Surr)	*92*		*60 - 140*	*03/03/22 17:00*	*03/06/22 01:12*	*1*

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	55	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2,2-Tetrachloroethane	ND		200	32	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2-Trichloroethane	ND		200	42	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1-Dichloroethane	ND		200	62	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,1-Dichloroethene	ND		200	69	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2,4-Trichlorobenzene	ND		200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dibromo-3-Chloropropane	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichlorobenzene	ND		200	51	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichloroethane	ND		200	82	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dichloropropane	ND		200	32	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,3-Dichlorobenzene	ND		200	53	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,4-Dichlorobenzene	ND		200	28	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
2-Butanone (MEK)	ND		1000	590	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
2-Hexanone	ND		1000	410	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
4-Methyl-2-pentanone (MIBK)	ND		1000	64	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Acetone	ND		1000	820	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Benzene	ND		200	38	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromodichloromethane	ND		200	40	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromoform	ND		200	100	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Bromomethane	ND		200	44	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Carbon disulfide	ND		200	91	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Carbon tetrachloride	ND		200	51	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chlorobenzene	ND		200	26	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Dibromochloromethane	ND		200	97	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloroethane	ND		200	42	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloroform	ND		200	140	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Chloromethane	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3

Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		200	55	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
cis-1,3-Dichloropropene	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Cyclohexane	ND		200	44	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Dichlorodifluoromethane	ND		200	87	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Ethylbenzene	ND		200	58	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
1,2-Dibromoethane	ND		200	35	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Isopropylbenzene	ND		200	30	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methyl acetate	ND		1000	95	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methyl tert-butyl ether	ND		200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methylcyclohexane	ND		200	94	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Methylene Chloride	ND		200	40	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Styrene	ND		200	48	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Tetrachloroethene	**8800**		200	27	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Toluene	ND		200	54	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
trans-1,2-Dichloroethene	ND		200	47	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
trans-1,3-Dichloropropene	ND		200	20	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Trichloroethene	**180**	**J**	200	56	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Trichlorofluoromethane	ND		200	94	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Vinyl chloride	ND		200	67	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4
Xylenes, Total	ND		400	110	ug/Kg	☼	03/03/22 17:00	03/06/22 01:36	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*50 - 149*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*	*03/03/22 17:00*	*03/06/22 01:36*	*4*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 01:36*	*4*

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2,2-Tetrachloroethane	ND		56	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2-Trichloroethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1-Dichloroethane	ND		56	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,1-Dichloroethene	ND		56	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2,4-Trichlorobenzene	ND		56	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dibromo-3-Chloropropane	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichlorobenzene	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichloroethane	ND		56	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dichloropropane	ND		56	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,3-Dichlorobenzene	ND		56	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,4-Dichlorobenzene	ND		56	7.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
2-Butanone (MEK)	ND		280	170	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
2-Hexanone	ND		280	120	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
4-Methyl-2-pentanone (MIBK)	ND		280	18	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Acetone	ND		280	230	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4

Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromodichloromethane	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromoform	ND		56	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Bromomethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Carbon disulfide	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Carbon tetrachloride	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chlorobenzene	ND		56	7.4	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Dibromochloromethane	ND		56	27	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloroethane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloroform	ND		56	39	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Chloromethane	ND		56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
cis-1,2-Dichloroethene	**210**		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
cis-1,3-Dichloropropene	ND		56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Cyclohexane	ND		56	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Dichlorodifluoromethane	ND		56	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Ethylbenzene	ND		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
1,2-Dibromoethane	ND		56	9.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Isopropylbenzene	ND		56	8.4	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methyl acetate	ND		280	27	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methyl tert-butyl ether	ND		56	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methylcyclohexane	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Methylene Chloride	ND		56	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Styrene	ND		56	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Tetrachloroethene	**2900**		56	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Toluene	ND		56	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
trans-1,2-Dichloroethene	**13**	**J**	56	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
trans-1,3-Dichloropropene	ND		56	5.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Trichloroethene	**710**		56	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Trichlorofluoromethane	ND		56	26	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Vinyl chloride	ND		56	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1
Xylenes, Total	ND		110	31	ug/Kg	☼	03/03/22 17:00	03/06/22 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
4-Bromofluorobenzene (Surr)	*92*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:00*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:00*	*1*

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5

Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2,2-Tetrachloroethane	ND		50	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2-Trichloroethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1-Dichloroethane	ND		50	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,1-Dichloroethene	ND		50	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5

Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 89.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	ND		50	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dibromo-3-Chloropropane	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichloroethane	ND		50	20	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dichloropropane	ND		50	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,3-Dichlorobenzene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,4-Dichlorobenzene	ND		50	7.0	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
2-Hexanone	ND		250	100	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Acetone	ND		250	210	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Benzene	ND		50	9.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromodichloromethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromoform	ND		50	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Bromomethane	ND		50	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Carbon disulfide	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Carbon tetrachloride	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chlorobenzene	ND		50	6.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Dibromochloromethane	ND		50	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloroethane	ND		50	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloroform	ND		50	34	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Chloromethane	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
cis-1,2-Dichloroethene	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
cis-1,3-Dichloropropene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Cyclohexane	ND		50	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Dichlorodifluoromethane	ND		50	22	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Ethylbenzene	ND		50	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
1,2-Dibromoethane	ND		50	8.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Isopropylbenzene	ND		50	7.5	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methyl acetate	ND		250	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methyl tert-butyl ether	ND		50	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methylcyclohexane	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Methylene Chloride	ND		50	9.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Styrene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Tetrachloroethene	**1600**		50	6.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Toluene	ND		50	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
trans-1,2-Dichloroethene	ND		50	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
trans-1,3-Dichloropropene	ND		50	4.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Trichloroethene	ND		50	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Trichlorofluoromethane	ND		50	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Vinyl chloride	ND		50	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1
Xylenes, Total	ND		100	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:23*	*1*
Dibromofluoromethane (Surr)	*87*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:23*	*1*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB203 (5-5.5)

Date Collected: 03/02/22 12:09
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-6

Matrix: Solid
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2,2-Tetrachloroethane	ND		51	8.3	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2-Trichloroethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1-Dichloroethane	ND		51	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,1-Dichloroethene	ND		51	18	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2,4-Trichlorobenzene	ND		51	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dibromo-3-Chloropropane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichlorobenzene	ND		51	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichloroethane	ND		51	21	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dichloropropane	ND		51	8.2	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,3-Dichlorobenzene	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,4-Dichlorobenzene	ND		51	7.1	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
2-Butanone (MEK)	ND		250	150	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
2-Hexanone	ND		250	100	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
4-Methyl-2-pentanone (MIBK)	ND		250	16	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Acetone	ND		250	210	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Benzene	ND		51	9.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromodichloromethane	ND		51	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromoform	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Bromomethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Carbon disulfide	ND		51	23	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Carbon tetrachloride	ND		51	13	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chlorobenzene	ND		51	6.7	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Dibromochloromethane	ND		51	25	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloroethane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloroform	ND		51	35	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Chloromethane	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
cis-1,2-Dichloroethene	**160**		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
cis-1,3-Dichloropropene	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Cyclohexane	ND		51	11	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Dichlorodifluoromethane	ND		51	22	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Ethylbenzene	ND		51	15	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
1,2-Dibromoethane	ND		51	8.9	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Isopropylbenzene	ND		51	7.6	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methyl acetate	**46**	**J**	250	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methyl tert-butyl ether	ND		51	19	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methylcyclohexane	ND		51	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Methylene Chloride	ND		51	10	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Styrene	ND		51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Tetrachloroethene	**230**		51	6.8	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Toluene	ND		51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
trans-1,2-Dichloroethene	**13**	**J**	51	12	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
trans-1,3-Dichloropropene	ND		51	5.0	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Trichloroethene	**37**	**J**	51	14	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Trichlorofluoromethane	ND		51	24	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Vinyl chloride	ND		51	17	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1
Xylenes, Total	ND		100	28	ug/Kg	☼	03/03/22 17:00	03/06/22 02:46	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB203 (5-5.5)

Lab Sample ID: 480-195466-6
Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 85.9

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*50 - 149*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
4-Bromofluorobenzene (Surr)	*98*		*49 - 148*	*03/03/22 17:00*	*03/06/22 02:46*	*1*
Dibromofluoromethane (Surr)	*83*		*60 - 140*	*03/03/22 17:00*	*03/06/22 02:46*	*1*

Client Sample ID: SB204 (2.75-3.2)

Lab Sample ID: 480-195466-7
Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		240	65	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2,2-Tetrachloroethane	ND		240	38	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2-Trichloroethane	ND		240	50	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1-Dichloroethane	ND		240	73	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,1-Dichloroethene	ND		240	82	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2,4-Trichlorobenzene	ND		240	89	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dibromo-3-Chloropropane	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichlorobenzene	ND		240	60	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichloroethane	ND		240	97	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dichloropropane	ND		240	38	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,3-Dichlorobenzene	ND		240	63	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,4-Dichlorobenzene	ND		240	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
2-Butanone (MEK)	ND		1200	700	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
2-Hexanone	ND		1200	480	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
4-Methyl-2-pentanone (MIBK)	ND		1200	76	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Acetone	ND		1200	970	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Benzene	ND		240	45	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromodichloromethane	ND		240	47	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromoform	ND		240	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Bromomethane	ND		240	52	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Carbon disulfide	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Carbon tetrachloride	ND		240	60	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chlorobenzene	ND		240	31	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Dibromochloromethane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloroethane	ND		240	49	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloroform	ND		240	160	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Chloromethane	ND		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
cis-1,2-Dichloroethene	**3000**		240	65	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
cis-1,3-Dichloropropene	ND		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Cyclohexane	ND		240	52	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Dichlorodifluoromethane	ND		240	100	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Ethylbenzene	ND		240	69	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
1,2-Dibromoethane	ND		240	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Isopropylbenzene	ND		240	35	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methyl acetate	ND		1200	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methyl tert-butyl ether	ND		240	89	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methylcyclohexane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Methylene Chloride	ND		240	47	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7

Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		240	57	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Tetrachloroethene	**19000**		240	32	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Toluene	ND		240	63	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
trans-1,2-Dichloroethene	**1300**		240	56	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
trans-1,3-Dichloropropene	ND		240	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Trichloroethene	**7000**		240	66	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Trichlorofluoromethane	ND		240	110	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Vinyl chloride	ND		240	79	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4
Xylenes, Total	ND		470	130	ug/Kg	☼	03/03/22 17:00	03/06/22 03:10	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
1,2-Dichloroethane-d4 (Surr)	*99*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
4-Bromofluorobenzene (Surr)	*96*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:10*	*4*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:10*	*4*

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2,2-Tetrachloroethane	ND		60	9.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2-Trichloroethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1-Dichloroethane	ND		60	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,1-Dichloroethene	ND		60	21	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2,4-Trichlorobenzene	ND		60	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dibromo-3-Chloropropane	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichlorobenzene	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichloroethane	ND		60	25	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dichloropropane	ND		60	9.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,3-Dichlorobenzene	ND		60	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,4-Dichlorobenzene	ND		60	8.5	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Acetone	ND		300	250	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Benzene	ND		60	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromodichloromethane	ND		60	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromoform	ND		60	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Bromomethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Carbon disulfide	ND		60	27	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Carbon tetrachloride	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chlorobenzene	ND		60	8.0	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Dibromochloromethane	ND		60	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloroethane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloroform	ND		60	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Chloromethane	ND		60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1

Client Sample ID: SB204 (5.5-6.0)
Lab Sample ID: 480-195466-8

Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**990**		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
cis-1,3-Dichloropropene	ND		60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Cyclohexane	ND		60	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Dichlorodifluoromethane	ND		60	26	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Ethylbenzene	ND		60	18	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
1,2-Dibromoethane	ND		60	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Isopropylbenzene	ND		60	9.1	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methyl acetate	ND		300	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methyl tert-butyl ether	ND		60	23	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methylcyclohexane	ND		60	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Methylene Chloride	ND		60	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Styrene	ND		60	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Tetrachloroethene	**26**	**J**	60	8.1	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Toluene	ND		60	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
trans-1,2-Dichloroethene	**28**	**J**	60	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
trans-1,3-Dichloropropene	ND		60	5.9	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Trichloroethene	ND		60	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Trichlorofluoromethane	ND		60	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Vinyl chloride	**33**	**J**	60	20	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:34*	*1*
Dibromofluoromethane (Surr)	*89*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:34*	*1*

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			03/08/22 18:19	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 18:19	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 18:19	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 18:19	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 18:19	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 18:19	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 18:19	10
Tetrachloroethene	**0.011**		0.010	0.0036	mg/L			03/08/22 18:19	10
Trichloroethene	**0.011**		0.010	0.0046	mg/L			03/08/22 18:19	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 18:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/08/22 18:19*	*10*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/08/22 18:19*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/08/22 18:19*	*10*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/08/22 18:19*	*10*

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1

Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-9

Matrix: Solid

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 13:52	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 13:52	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 13:52	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 13:52	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 13:52	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 13:52	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*93*		*41 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
2-Fluorobiphenyl	*90*		*48 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
2-Fluorophenol	*46*		*35 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
Nitrobenzene-d5	*88*		*46 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
p-Terphenyl-d14	*102*		*60 - 148*	*03/08/22 15:04*	*03/09/22 13:52*	*1*
Phenol-d5	*31*		*22 - 120*	*03/08/22 15:04*	*03/09/22 13:52*	*1*

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 11:58	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 11:58	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:58	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 11:58	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 11:58	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:58	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
DCB Decachlorobiphenyl	*74*		*20 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
Tetrachloro-m-xylene	*95*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*
Tetrachloro-m-xylene	*73*		*44 - 120*	*03/08/22 09:48*	*03/09/22 11:58*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 17:59	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*51*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:59*	*1*
2,4-Dichlorophenylacetic acid	*60*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:59*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:13	1
Barium	**0.75**	**J**	1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:13	1

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0018	J	0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:13	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:13	1
Lead	0.0075	J	0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:13	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:13	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:13	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 15:26	1
Sulfide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	>175		50.0	50.0	Degrees F			03/08/22 18:32	1
pH	8.8	HF	0.1	0.1	SU			03/05/22 17:40	1
Temperature	19.8	HF	0.001	0.001	Degrees C			03/05/22 17:40	1

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 84.6

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1.8		1.4	0.38	mg/Kg	☼	03/08/22 08:05	03/08/22 10:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*87*		*46 - 156*	*03/08/22 08:05*	*03/08/22 10:38*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.6	J	19	5.8	mg/Kg	☼	03/07/22 09:00	03/07/22 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*48 - 125*	*03/07/22 09:00*	*03/07/22 12:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1221	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1232	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1242	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1248	ND		0.21	0.042	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1254	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1260	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1262	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1
PCB-1268	ND		0.21	0.10	mg/Kg	☼	03/07/22 07:42	03/07/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*122*		*60 - 154*	*03/07/22 07:42*	*03/07/22 18:03*	*1*

Client Sample ID: LF1
Lab Sample ID: 480-195466-9

Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 84.6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	120		60 - 154	03/07/22 07:42	03/07/22 18:03	1
DCB Decachlorobiphenyl	101		65 - 174	03/07/22 07:42	03/07/22 18:03	1
DCB Decachlorobiphenyl	101		65 - 174	03/07/22 07:42	03/07/22 18:03	1

Client Sample ID: LF2
Lab Sample ID: 480-195466-10

Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			03/08/22 18:42	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 18:42	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 18:42	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 18:42	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 18:42	10
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 18:42	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 18:42	10
Tetrachloroethene	**0.014**		0.010	0.0036	mg/L			03/08/22 18:42	10
Trichloroethene	ND		0.010	0.0046	mg/L			03/08/22 18:42	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 18:42	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		03/08/22 18:42	10
Toluene-d8 (Surr)	91		80 - 120		03/08/22 18:42	10
4-Bromofluorobenzene (Surr)	100		73 - 120		03/08/22 18:42	10
Dibromofluoromethane (Surr)	103		75 - 123		03/08/22 18:42	10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 14:16	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 14:16	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 14:16	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 14:16	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 14:16	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 14:16	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 14:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	91		41 - 120	03/08/22 15:04	03/09/22 14:16	1
2-Fluorobiphenyl	88		48 - 120	03/08/22 15:04	03/09/22 14:16	1
2-Fluorophenol	46		35 - 120	03/08/22 15:04	03/09/22 14:16	1
Nitrobenzene-d5	83		46 - 120	03/08/22 15:04	03/09/22 14:16	1
p-Terphenyl-d14	97		60 - 148	03/08/22 15:04	03/09/22 14:16	1
Phenol-d5	31		22 - 120	03/08/22 15:04	03/09/22 14:16	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF2

Date Collected: 03/02/22 14:25
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-10

Matrix: Solid

Method: 8081B - Organochlorine Pesticides (GC) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 12:18	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 12:18	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 12:18	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 12:18	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 12:18	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 12:18	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 12:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*68*		*20 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
DCB Decachlorobiphenyl	*72*		*20 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
Tetrachloro-m-xylene	*97*		*44 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*
Tetrachloro-m-xylene	*75*		*44 - 120*	*03/08/22 09:48*	*03/09/22 12:18*	*1*

Method: 8151 - TCLP Herbicides - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 18:28	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*65*		*48 - 132*	*03/08/22 09:52*	*03/09/22 18:28*	*1*
2,4-Dichlorophenylacetic acid	*85*		*48 - 132*	*03/08/22 09:52*	*03/09/22 18:28*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:17	1
Barium	**0.63**	**J**	1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:17	1
Cadmium	**0.00086**	**J**	0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:17	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:17	1
Lead	**0.011**	**J**	0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:17	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:17	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:17	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 15:27	1
Sulfide, Reactive	ND		10	10	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>175**		50.0	50.0	Degrees F			03/09/22 16:08	1
pH	**9.2**	**HF**	0.1	0.1	SU			03/05/22 17:40	1
Temperature	**19.9**	**HF**	0.001	0.001	Degrees C			03/05/22 17:40	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF2

Lab Sample ID: 480-195466-10
Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 78.6

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	1.8		1.5	0.40	mg/Kg	☼	03/08/22 08:05	03/08/22 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*85*		*46 - 156*	*03/08/22 08:05*	*03/08/22 11:15*	*1*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	28		21	6.3	mg/Kg	☼	03/07/22 09:00	03/07/22 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*48 - 125*	*03/07/22 09:00*	*03/07/22 13:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1221	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1232	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1242	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1248	ND		0.28	0.056	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1254	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1260	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1262	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1
PCB-1268	ND		0.28	0.13	mg/Kg	☼	03/07/22 07:42	03/07/22 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*130*		*60 - 154*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
Tetrachloro-m-xylene	*134*		*60 - 154*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*03/07/22 07:42*	*03/07/22 17:37*	*1*
DCB Decachlorobiphenyl	*112*		*65 - 174*	*03/07/22 07:42*	*03/07/22 17:37*	*1*

Client Sample ID: LF1

Lab Sample ID: 480-195466-11
Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2,2-Tetrachloroethane	ND		59	9.6	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2-Trichloroethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1-Dichloroethane	ND		59	18	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,1-Dichloroethene	ND		59	21	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2,4-Trichlorobenzene	ND		59	22	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dibromo-3-Chloropropane	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichlorobenzene	ND		59	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichloroethane	ND		59	24	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dichloropropane	ND		59	9.6	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,3-Dichlorobenzene	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,4-Dichlorobenzene	ND		59	8.3	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
2-Butanone (MEK)	ND		300	180	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
2-Hexanone	ND		300	120	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1

Client Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1

Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-11

Matrix: Solid
Percent Solids: 83.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	ND		300	19	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Acetone	ND		300	240	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Benzene	ND		59	11	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromodichloromethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromoform	ND		59	30	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Bromomethane	ND		59	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Carbon disulfide	ND		59	27	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Carbon tetrachloride	ND		59	15	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chlorobenzene	ND		59	7.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Dibromochloromethane	ND		59	29	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloroethane	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloroform	ND		59	41	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Chloromethane	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
cis-1,2-Dichloroethene	**370**		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
cis-1,3-Dichloropropene	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Cyclohexane	ND		59	13	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Dichlorodifluoromethane	ND		59	26	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Ethylbenzene	ND		59	17	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
1,2-Dibromoethane	ND		59	10	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Isopropylbenzene	ND		59	8.9	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methyl acetate	ND		300	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methyl tert-butyl ether	ND		59	22	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methylcyclohexane	ND		59	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Methylene Chloride	ND		59	12	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Styrene	ND		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Tetrachloroethene	**2500**		59	8.0	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Toluene	ND		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
trans-1,2-Dichloroethene	**140**		59	14	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
trans-1,3-Dichloropropene	ND		59	5.8	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Trichloroethene	**1200**		59	16	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Trichlorofluoromethane	ND		59	28	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Vinyl chloride	ND		59	20	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1
Xylenes, Total	ND		120	33	ug/Kg	☼	03/03/22 17:00	03/06/22 03:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*50 - 149*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*53 - 146*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
4-Bromofluorobenzene (Surr)	*93*		*49 - 148*	*03/03/22 17:00*	*03/06/22 03:58*	*1*
Dibromofluoromethane (Surr)	*84*		*60 - 140*	*03/03/22 17:00*	*03/06/22 03:58*	*1*

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Method: 8260C - TCLP Volatiles

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(80-120)	(77-120)	(73-120)	(75-123)
LCS 480-617050/5	Lab Control Sample	89	97	99	102
MB 480-617050/7	Method Blank	86	93	96	98

Surrogate Legend

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

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-195466-9	LF1	102	91	97	109
480-195466-10	LF2	102	91	100	103
LB 480-616936/1-A	Method Blank	104	88	99	110

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DCA	BFB	DBFM
Lab Sample ID	Client Sample ID	(50-149)	(53-146)	(49-148)	(60-140)
480-195466-1	SB201 (1.8-2.3)	95	98	96	92
480-195466-2	SB201 (6-6.5)	98	100	94	92
480-195466-3	SB202 (2-2.5)	91	95	92	89
480-195466-4	SB202 (6-6.5)	94	97	92	91
480-195466-5	SB203 (2-2.5)	96	97	95	87
480-195466-6	SB203 (5-5.5)	98	95	98	83
480-195466-7	SB204 (2.75-3.2)	96	99	96	89
480-195466-8	SB204 (5.5-6.0)	97	100	95	89
480-195466-11	LF1	97	95	93	84
LCS 480-616692/1-A	Lab Control Sample	97	96	100	96
MB 480-616692/2-A	Method Blank	95	98	95	91

Surrogate Legend

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

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
LCS 480-617177/2-A	Lab Control Sample	100	81	44	80	93	29
LCSD 480-617177/3-A	Lab Control Sample Dup	114	95	50	92	103	34
MB 480-617177/1-A	Method Blank	86	97	51	92	107	35

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-195466-9	LF1	93	90	46	88	102	31
480-195466-10	LF2	91	88	46	83	97	31
LB 480-616935/1-F	Method Blank	100	94	52	94	103	33

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8015D - Gasoline Range Organics (GRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT2
Lab Sample ID	Client Sample ID	(46-156)
480-195466-9	LF1	87
480-195466-9 MS	LF1	60
480-195466-9 MSD	LF1	67
480-195466-10	LF2	85
LCS 480-617051/2-A	Lab Control Sample	90
MB 480-617051/1-A	Method Blank	96

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: 8015D - Diesel Range Organics (DRO) (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(48-125)
480-195466-9	LF1	80

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTPH (48-125)							
480-195466-10	LF2	81							
LCS 480-616939/2-A	Lab Control Sample	99							
LCSD 480-616939/3-A	Lab Control Sample Dup	100							
MB 480-616939/1-A	Method Blank	71							

Surrogate Legend

OTPH = o-Terphenyl

Method: 8081B - Organochlorine Pesticides (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)				
LCS 480-617096/2-A	Lab Control Sample	49	51	55	79				
LCSD 480-617096/3-A	Lab Control Sample Dup	39	45	83	76				
MB 480-617096/1-A	Method Blank	43	46	85	68				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	DCBP1 (20-120)	DCBP2 (20-120)	TCX1 (44-120)	TCX2 (44-120)				
480-195466-9	LF1	75	74	95	73				
480-195466-10	LF2	68	72	97	75				
LB 480-616935/1-B	Method Blank	60	63	96	68				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

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

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)				
480-195466-9	LF1	120	122	101	101				
480-195466-10	LF2	134	130	112	115				
480-195466-10 MS	LF2	135	129	116	114				
480-195466-10 MSD	LF2	150	140	125	126				
LCS 480-616931/2-A	Lab Control Sample	146	149	127	127				
MB 480-616931/1-A	Method Blank	129	120	113	108				

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Surrogate Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Method: 8151 - TCLP Herbicides

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

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	**Client Sample ID**	**(48-132)**	**(48-132)**
LCS 480-617097/2-A	Lab Control Sample	52	56
LCSD 480-617097/3-A	Lab Control Sample Dup	86	83
MB 480-617097/1-A	Method Blank	83	69

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8151 - TCLP Herbicides

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1	DCPAA2
Lab Sample ID	**Client Sample ID**	**(48-132)**	**(48-132)**
480-195466-9	LF1	51	60
480-195466-10	LF2	65	85
LB 480-616935/1-C	Method Blank	57	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-617050/7
Matrix: Solid
Analysis Batch: 617050

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			03/08/22 10:47	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			03/08/22 10:47	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			03/08/22 10:47	1
Benzene	ND		0.0010	0.00041	mg/L			03/08/22 10:47	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			03/08/22 10:47	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			03/08/22 10:47	1
Chloroform	ND		0.0010	0.00034	mg/L			03/08/22 10:47	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			03/08/22 10:47	1
Trichloroethene	ND		0.0010	0.00046	mg/L			03/08/22 10:47	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			03/08/22 10:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*80 - 120*		*03/08/22 10:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*		*03/08/22 10:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/08/22 10:47*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*03/08/22 10:47*	*1*

Lab Sample ID: LCS 480-617050/5
Matrix: Solid
Analysis Batch: 617050

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0217		mg/L		87	66 - 127
1,2-Dichloroethane	0.0250	0.0252		mg/L		101	75 - 120
2-Butanone (MEK)	0.125	0.169		mg/L		135	57 - 140
Benzene	0.0250	0.0236		mg/L		94	71 - 124
Carbon tetrachloride	0.0250	0.0231		mg/L		92	72 - 134
Chlorobenzene	0.0250	0.0236		mg/L		94	80 - 120
Chloroform	0.0250	0.0234		mg/L		94	73 - 127
Tetrachloroethene	0.0250	0.0229		mg/L		92	74 - 122
Trichloroethene	0.0250	0.0238		mg/L		95	74 - 123
Vinyl chloride	0.0250	0.0266		mg/L		107	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: LB 480-616936/1-A
Matrix: Solid
Analysis Batch: 617050

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			03/08/22 17:32	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			03/08/22 17:32	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			03/08/22 17:32	10
Benzene	ND		0.010	0.0041	mg/L			03/08/22 17:32	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-616936/1-A
Matrix: Solid
Analysis Batch: 617050

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.010	0.0027	mg/L			03/08/22 17:32	10
Chlorobenzene	ND		0.010	0.0075	mg/L			03/08/22 17:32	10
Chloroform	ND		0.010	0.0034	mg/L			03/08/22 17:32	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			03/08/22 17:32	10
Trichloroethene	ND		0.010	0.0046	mg/L			03/08/22 17:32	10
Vinyl chloride	ND		0.010	0.0090	mg/L			03/08/22 17:32	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*80 - 120*		*03/08/22 17:32*	*10*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/08/22 17:32*	*10*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/08/22 17:32*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/08/22 17:32*	*10*

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

Lab Sample ID: MB 480-616692/2-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2,2-Tetrachloroethane	ND		100	16	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2-Trichloroethane	ND		100	21	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1-Dichloroethane	ND		100	31	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,1-Dichloroethene	ND		100	35	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2,4-Trichlorobenzene	ND		100	38	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dibromo-3-Chloropropane	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichlorobenzene	ND		100	26	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichloroethane	ND		100	41	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dichloropropane	ND		100	16	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,3-Dichlorobenzene	ND		100	27	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,4-Dichlorobenzene	ND		100	14	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
2-Butanone (MEK)	ND		500	300	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
2-Hexanone	ND		500	210	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
4-Methyl-2-pentanone (MIBK)	ND		500	32	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Acetone	ND		500	410	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Benzene	ND		100	19	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromodichloromethane	ND		100	20	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromoform	ND		100	50	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Bromomethane	ND		100	22	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Carbon disulfide	ND		100	46	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Carbon tetrachloride	ND		100	26	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chlorobenzene	ND		100	13	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Dibromochloromethane	ND		100	48	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloroethane	ND		100	21	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloroform	ND		100	69	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Chloromethane	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
cis-1,2-Dichloroethene	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1

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

Lab Sample ID: MB 480-616692/2-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616692

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Cyclohexane	ND		100	22	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Dichlorodifluoromethane	ND		100	44	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Ethylbenzene	ND		100	29	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
1,2-Dibromoethane	ND		100	18	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Isopropylbenzene	ND		100	15	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methyl acetate	ND		500	48	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methyl tert-butyl ether	ND		100	38	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methylcyclohexane	ND		100	47	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Methylene Chloride	ND		100	20	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Styrene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Tetrachloroethene	ND		100	13	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Toluene	ND		100	27	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
trans-1,2-Dichloroethene	ND		100	24	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
trans-1,3-Dichloropropene	ND		100	9.8	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Trichloroethene	ND		100	28	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Trichlorofluoromethane	ND		100	47	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Vinyl chloride	ND		100	34	ug/Kg		03/03/22 13:14	03/03/22 14:13	1
Xylenes, Total	ND		200	55	ug/Kg		03/03/22 13:14	03/03/22 14:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 149*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*53 - 146*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
4-Bromofluorobenzene (Surr)	*95*		*49 - 148*	*03/03/22 13:14*	*03/03/22 14:13*	*1*
Dibromofluoromethane (Surr)	*91*		*60 - 140*	*03/03/22 13:14*	*03/03/22 14:13*	*1*

Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2560		ug/Kg		102	68 - 130
1,1,2,2-Tetrachloroethane	2500	2260		ug/Kg		90	73 - 120
1,1,2-Trichloroethane	2500	2320		ug/Kg		93	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	2500	2560		ug/Kg		102	10 - 179
1,1-Dichloroethane	2500	2300		ug/Kg		92	78 - 121
1,1-Dichloroethene	2500	2390		ug/Kg		96	48 - 133
1,2,4-Trichlorobenzene	2500	2340		ug/Kg		94	70 - 140
1,2-Dibromo-3-Chloropropane	2500	2160		ug/Kg		86	56 - 122
1,2-Dichlorobenzene	2500	2370		ug/Kg		95	78 - 125
1,2-Dichloroethane	2500	2280		ug/Kg		91	74 - 127
1,2-Dichloropropane	2500	2430		ug/Kg		97	80 - 120
1,3-Dichlorobenzene	2500	2380		ug/Kg		95	80 - 120
1,4-Dichlorobenzene	2500	2340		ug/Kg		94	80 - 120
2-Butanone (MEK)	12500	11100		ug/Kg		88	54 - 149
2-Hexanone	12500	12400		ug/Kg		99	59 - 127
4-Methyl-2-pentanone (MIBK)	12500	11400		ug/Kg		91	74 - 120
Acetone	12500	10100		ug/Kg		81	47 - 141

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

Lab Sample ID: LCS 480-616692/1-A
Matrix: Solid
Analysis Batch: 616658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616692

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2510		ug/Kg		100	77 - 125
Bromodichloromethane	2500	2440		ug/Kg		98	71 - 121
Bromoform	2500	2360		ug/Kg		95	48 - 125
Bromomethane	2500	1860		ug/Kg		74	39 - 149
Carbon disulfide	2500	2390		ug/Kg		96	40 - 136
Carbon tetrachloride	2500	2490		ug/Kg		99	54 - 135
Chlorobenzene	2500	2380		ug/Kg		95	76 - 126
Dibromochloromethane	2500	2440		ug/Kg		98	64 - 120
Chloroethane	2500	2300		ug/Kg		92	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
cis-1,3-Dichloropropene	2500	2790		ug/Kg		111	75 - 121
Cyclohexane	2500	2640		ug/Kg		105	49 - 129
Dichlorodifluoromethane	2500	2180		ug/Kg		87	10 - 150
Ethylbenzene	2500	2480		ug/Kg		99	78 - 124
1,2-Dibromoethane	2500	2610		ug/Kg		104	80 - 120
Isopropylbenzene	2500	2490		ug/Kg		100	76 - 120
Methyl acetate	5000	4560		ug/Kg		91	71 - 123
Methyl tert-butyl ether	2500	2430		ug/Kg		97	67 - 137
Methylcyclohexane	2500	2800		ug/Kg		112	50 - 130
Methylene Chloride	2500	2350		ug/Kg		94	75 - 118
Styrene	2500	2600		ug/Kg		104	80 - 120
Tetrachloroethene	2500	2490		ug/Kg		100	73 - 133
Toluene	2500	2370		ug/Kg		95	75 - 124
trans-1,2-Dichloroethene	2500	2410		ug/Kg		97	74 - 129
trans-1,3-Dichloropropene	2500	2980		ug/Kg		119	73 - 120
Trichloroethene	2500	2480		ug/Kg		99	75 - 131
Trichlorofluoromethane	2500	2450		ug/Kg		98	29 - 158
Vinyl chloride	2500	2200		ug/Kg		88	59 - 124

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

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-617177/1-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00045	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4-Dinitrotoluene	ND		0.0050	0.00043	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachlorobenzene	ND		0.0050	0.00050	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		03/08/22 15:04	03/09/22 11:50	1
Hexachloroethane	ND		0.0050	0.00058	mg/L		03/08/22 15:04	03/09/22 11:50	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-617177/1-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617177

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Methylphenol	ND		0.010	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
4-Methylphenol	ND		0.010	0.00035	mg/L		03/08/22 15:04	03/09/22 11:50	1
Nitrobenzene	ND		0.0050	0.00028	mg/L		03/08/22 15:04	03/09/22 11:50	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		03/08/22 15:04	03/09/22 11:50	1
Pyridine	ND		0.025	0.00040	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		03/08/22 15:04	03/09/22 11:50	1
2,4,6-Trichlorophenol	ND		0.0050	0.00060	mg/L		03/08/22 15:04	03/09/22 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*41 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
2-Fluorobiphenyl	*97*		*48 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
2-Fluorophenol	*51*		*35 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
Nitrobenzene-d5	*92*		*46 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
p-Terphenyl-d14	*107*		*60 - 148*	*03/08/22 15:04*	*03/09/22 11:50*	*1*
Phenol-d5	*35*		*22 - 120*	*03/08/22 15:04*	*03/09/22 11:50*	*1*

Lab Sample ID: LCS 480-617177/2-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617177

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0500	0.0313		mg/L		63	51 - 120
2,4-Dinitrotoluene	0.0500	0.0462		mg/L		92	69 - 120
Hexachlorobenzene	0.0500	0.0455		mg/L		91	61 - 120
Hexachlorobutadiene	0.0500	0.0323		mg/L		65	35 - 120
Hexachloroethane	0.0500	0.0289		mg/L		58	43 - 120
3-Methylphenol	0.0500	0.0303		mg/L		61	39 - 120
2-Methylphenol	0.0500	0.0328		mg/L		66	39 - 120
4-Methylphenol	0.0500	0.0303		mg/L		61	29 - 131
Nitrobenzene	0.0500	0.0404		mg/L		81	53 - 123
Pentachlorophenol	0.100	0.106		mg/L		106	29 - 136
Pyridine	0.100	0.0195	J	mg/L		20	10 - 120
2,4,5-Trichlorophenol	0.0500	0.0441		mg/L		88	65 - 126
2,4,6-Trichlorophenol	0.0500	0.0427		mg/L		85	64 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*100*		*41 - 120*
2-Fluorobiphenyl	*81*		*48 - 120*
2-Fluorophenol	*44*		*35 - 120*
Nitrobenzene-d5	*80*		*46 - 120*
p-Terphenyl-d14	*93*		*60 - 148*
Phenol-d5	*29*		*22 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-617177/3-A
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617177

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0374		mg/L		75	51 - 120	18	36
2,4-Dinitrotoluene			0.0500	0.0542		mg/L		108	69 - 120	16	20
Hexachlorobenzene			0.0500	0.0517		mg/L		103	61 - 120	13	15
Hexachlorobutadiene			0.0500	0.0394		mg/L		79	35 - 120	20	44
Hexachloroethane			0.0500	0.0363		mg/L		73	43 - 120	23	46
3-Methylphenol			0.0500	0.0358		mg/L		72	39 - 120	17	30
2-Methylphenol			0.0500	0.0379		mg/L		76	39 - 120	14	27
4-Methylphenol			0.0500	0.0358		mg/L		72	29 - 131	17	24
Nitrobenzene			0.0500	0.0462		mg/L		92	53 - 123	13	24
Pentachlorophenol			0.100	0.124		mg/L		124	29 - 136	15	37
Pyridine			0.100	0.0268		mg/L		27	10 - 120	31	49
2,4,5-Trichlorophenol			0.0500	0.0519		mg/L		104	65 - 126	16	18
2,4,6-Trichlorophenol			0.0500	0.0497		mg/L		99	64 - 120	15	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*114*		*41 - 120*
2-Fluorobiphenyl	*95*		*48 - 120*
2-Fluorophenol	*50*		*35 - 120*
Nitrobenzene-d5	*92*		*46 - 120*
p-Terphenyl-d14	*103*		*60 - 148*
Phenol-d5	*34*		*22 - 120*

Lab Sample ID: LB 480-616935/1-F
Matrix: Solid
Analysis Batch: 617260

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617177

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.040	0.0018	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4-Dinitrotoluene	ND		0.020	0.0017	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachlorobenzene	ND		0.020	0.0020	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachlorobutadiene	ND		0.020	0.0027	mg/L		03/08/22 15:04	03/09/22 13:03	1
Hexachloroethane	ND		0.020	0.0023	mg/L		03/08/22 15:04	03/09/22 13:03	1
3-Methylphenol	ND		0.040	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
2-Methylphenol	ND		0.020	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
4-Methylphenol	ND		0.040	0.0014	mg/L		03/08/22 15:04	03/09/22 13:03	1
Nitrobenzene	ND		0.020	0.0011	mg/L		03/08/22 15:04	03/09/22 13:03	1
Pentachlorophenol	ND		0.040	0.0088	mg/L		03/08/22 15:04	03/09/22 13:03	1
Pyridine	ND		0.10	0.0016	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4,5-Trichlorophenol	ND		0.020	0.0019	mg/L		03/08/22 15:04	03/09/22 13:03	1
2,4,6-Trichlorophenol	ND		0.020	0.0024	mg/L		03/08/22 15:04	03/09/22 13:03	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*41 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
2-Fluorobiphenyl	*94*		*48 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
2-Fluorophenol	*52*		*35 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
Nitrobenzene-d5	*94*		*46 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
p-Terphenyl-d14	*103*		*60 - 148*	*03/08/22 15:04*	*03/09/22 13:03*	*1*
Phenol-d5	*33*		*22 - 120*	*03/08/22 15:04*	*03/09/22 13:03*	*1*

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 480-617051/1-A
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO (C6-C10)	ND		1.2	0.33	mg/Kg		03/08/22 08:05	03/08/22 09:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*96*		*46 - 156*	*03/08/22 08:05*	*03/08/22 09:12*	*1*

Lab Sample ID: LCS 480-617051/2-A
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C6-C10)	9.56	8.58		mg/Kg		90	64 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*90*		*46 - 156*

Lab Sample ID: 480-195466-9 MS
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: LF1
Prep Type: Total/NA
Prep Batch: 617051

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO (C6-C10)	1.8		10.9	9.12		mg/Kg	☼	67	41 - 142

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*60*		*46 - 156*

Lab Sample ID: 480-195466-9 MSD
Matrix: Solid
Analysis Batch: 617059

Client Sample ID: LF1
Prep Type: Total/NA
Prep Batch: 617051

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO (C6-C10)	1.8		11.1	9.85		mg/Kg	☼	73	41 - 142	8	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*67*		*46 - 156*

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 480-616939/1-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616939

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		16	4.9	mg/Kg		03/07/22 09:00	03/07/22 13:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*48 - 125*	*03/07/22 09:00*	*03/07/22 13:51*	*1*

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

Lab Sample ID: LCS 480-616939/2-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	49.6	45.1		mg/Kg		91	63 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*99*		*48 - 125*

Lab Sample ID: LCSD 480-616939/3-A
Matrix: Solid
Analysis Batch: 616986

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 616939

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	49.1	45.2		mg/Kg		92	63 - 127	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*100*		*48 - 125*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-617096/1-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617096

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.000050	0.0000015	mg/L		03/08/22 09:48	03/09/22 09:41	1
Chlordane (technical)	ND		0.00050	0.0000073	mg/L		03/08/22 09:48	03/09/22 09:41	1
Endrin	ND		0.000050	0.0000035	mg/L		03/08/22 09:48	03/09/22 09:41	1
Heptachlor	ND		0.000050	0.0000021	mg/L		03/08/22 09:48	03/09/22 09:41	1
Heptachlor epoxide	ND		0.000050	0.0000013	mg/L		03/08/22 09:48	03/09/22 09:41	1
Methoxychlor	ND		0.000050	0.0000035	mg/L		03/08/22 09:48	03/09/22 09:41	1
Toxaphene	ND		0.00050	0.000030	mg/L		03/08/22 09:48	03/09/22 09:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*43*		*20 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
DCB Decachlorobiphenyl	*46*		*20 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
Tetrachloro-m-xylene	*85*		*44 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*
Tetrachloro-m-xylene	*68*		*44 - 120*	*03/08/22 09:48*	*03/09/22 09:41*	*1*

Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617096

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	0.000500	0.000459		mg/L		92	56 - 120
Endrin	0.000500	0.000534		mg/L		107	65 - 135
Heptachlor	0.000500	0.000479		mg/L		96	58 - 120
Heptachlor epoxide	0.000500	0.000554		mg/L		111	65 - 125
Methoxychlor	0.000500	0.000534		mg/L		107	50 - 150

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-617096/2-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617096

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	49		20 - 120
DCB Decachlorobiphenyl	51		20 - 120
Tetrachloro-m-xylene	55		44 - 120
Tetrachloro-m-xylene	79		44 - 120

Lab Sample ID: LCSD 480-617096/3-A
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617096

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)			0.000500	0.000456		mg/L		91	56 - 120	1	24
Endrin			0.000500	0.000515		mg/L		103	65 - 135	4	24
Heptachlor			0.000500	0.000499		mg/L		100	58 - 120	4	25
Heptachlor epoxide			0.000500	0.000537		mg/L		107	65 - 125	3	23
Methoxychlor			0.000500	0.000532		mg/L		106	50 - 150	0	26

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	39		20 - 120
DCB Decachlorobiphenyl	45		20 - 120
Tetrachloro-m-xylene	83		44 - 120
Tetrachloro-m-xylene	76		44 - 120

Lab Sample ID: LB 480-616935/1-B
Matrix: Solid
Analysis Batch: 617227

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617096

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	ND		0.00020	0.0000060	mg/L		03/08/22 09:48	03/09/22 11:19	1
Chlordane (technical)	ND		0.0020	0.000029	mg/L		03/08/22 09:48	03/09/22 11:19	1
Endrin	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:19	1
Heptachlor	ND		0.00020	0.0000085	mg/L		03/08/22 09:48	03/09/22 11:19	1
Heptachlor epoxide	ND		0.00020	0.0000053	mg/L		03/08/22 09:48	03/09/22 11:19	1
Methoxychlor	ND		0.00020	0.000014	mg/L		03/08/22 09:48	03/09/22 11:19	1
Toxaphene	ND		0.0020	0.00012	mg/L		03/08/22 09:48	03/09/22 11:19	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	60		20 - 120	03/08/22 09:48	03/09/22 11:19	1
DCB Decachlorobiphenyl	63		20 - 120	03/08/22 09:48	03/09/22 11:19	1
Tetrachloro-m-xylene	96		44 - 120	03/08/22 09:48	03/09/22 11:19	1
Tetrachloro-m-xylene	68		44 - 120	03/08/22 09:48	03/09/22 11:19	1

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

Lab Sample ID: MB 480-616931/1-A
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616931

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1221	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1232	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1242	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1248	ND		0.24	0.047	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1254	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1260	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1262	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1
PCB-1268	ND		0.24	0.11	mg/Kg		03/07/22 07:42	03/07/22 16:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*120*		*60 - 154*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
Tetrachloro-m-xylene	*129*		*60 - 154*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
DCB Decachlorobiphenyl	*108*		*65 - 174*	*03/07/22 07:42*	*03/07/22 16:43*	*1*
DCB Decachlorobiphenyl	*113*		*65 - 174*	*03/07/22 07:42*	*03/07/22 16:43*	*1*

Lab Sample ID: LCS 480-616931/2-A
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616931

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.05	2.79		mg/Kg		136	51 - 185
PCB-1260	2.05	2.77		mg/Kg		135	61 - 184

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*149*		*60 - 154*
Tetrachloro-m-xylene	*146*		*60 - 154*
DCB Decachlorobiphenyl	*127*		*65 - 174*
DCB Decachlorobiphenyl	*127*		*65 - 174*

Lab Sample ID: 480-195466-10 MS
Matrix: Solid
Analysis Batch: 617012

Client Sample ID: LF2
Prep Type: Total/NA
Prep Batch: 616931

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		2.92	3.38		mg/Kg	☼	116	50 - 177
PCB-1260	ND		2.92	3.38		mg/Kg	☼	116	33 - 200

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*129*		*60 - 154*
Tetrachloro-m-xylene	*135*		*60 - 154*
DCB Decachlorobiphenyl	*114*		*65 - 174*
DCB Decachlorobiphenyl	*116*		*65 - 174*

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

Lab Sample ID: 480-195466-10 MSD — **Client Sample ID: LF2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617012 — **Prep Batch: 616931**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		2.74	3.72		mg/Kg	☼	136	50 - 177	10	50
PCB-1260	ND		2.74	3.70		mg/Kg	☼	135	33 - 200	9	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*140*		*60 - 154*
Tetrachloro-m-xylene	*150*		*60 - 154*
DCB Decachlorobiphenyl	*126*		*65 - 174*
DCB Decachlorobiphenyl	*125*		*65 - 174*

Method: 8151 - TCLP Herbicides

Lab Sample ID: MB 480-617097/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617225 — **Prep Batch: 617097**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.00050	0.000090	mg/L		03/08/22 09:52	03/09/22 15:31	1
2,4-D	ND		0.00050	0.00010	mg/L		03/08/22 09:52	03/09/22 15:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*83*		*48 - 132*	*03/08/22 09:52*	*03/09/22 15:31*	*1*
2,4-Dichlorophenylacetic acid	*69*		*48 - 132*	*03/08/22 09:52*	*03/09/22 15:31*	*1*

Lab Sample ID: LCS 480-617097/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617225 — **Prep Batch: 617097**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	0.00200	0.00115		mg/L		57	49 - 150
2,4-D	0.00200	0.00125		mg/L		63	36 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*52*		*48 - 132*
2,4-Dichlorophenylacetic acid	*56*		*48 - 132*

Lab Sample ID: LCSD 480-617097/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617225 — **Prep Batch: 617097**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silvex (2,4,5-TP)	0.00200	0.00165		mg/L		82	49 - 150	36	50
2,4-D	0.00200	0.00159		mg/L		80	36 - 150	24	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*86*		*48 - 132*
2,4-Dichlorophenylacetic acid	*83*		*48 - 132*

Method: 8151 - TCLP Herbicides (Continued)

Lab Sample ID: LB 480-616935/1-C
Matrix: Solid
Analysis Batch: 617225

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617097

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silvex (2,4,5-TP)	ND		0.0020	0.00036	mg/L		03/08/22 09:52	03/09/22 17:00	1
2,4-D	ND		0.0020	0.00040	mg/L		03/08/22 09:52	03/09/22 17:00	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*57*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:00*	*1*
2,4-Dichlorophenylacetic acid	*66*		*48 - 132*	*03/08/22 09:52*	*03/09/22 17:00*	*1*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-617104/2-A
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 02:02	1
Barium	ND		1.0	0.10	mg/L		03/08/22 11:10	03/09/22 02:02	1
Cadmium	ND		0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 02:02	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 02:02	1
Lead	ND		0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 02:02	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 02:02	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 02:02	1

Lab Sample ID: LCS 480-617104/3-A
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.07		mg/L		107	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Cadmium	1.00	1.03		mg/L		103	80 - 120
Chromium	1.00	1.02		mg/L		102	80 - 120
Lead	1.00	0.943		mg/L		94	80 - 120
Selenium	1.00	1.08		mg/L		108	80 - 120
Silver	1.00	1.14		mg/L		114	80 - 120

Lab Sample ID: LB 480-616935/1-D
Matrix: Solid
Analysis Batch: 617286

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 617104

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		03/08/22 11:10	03/09/22 01:58	1
Barium	ND		1.0	0.10	mg/L		03/08/22 11:10	03/09/22 01:58	1
Cadmium	ND		0.0020	0.00050	mg/L		03/08/22 11:10	03/09/22 01:58	1
Chromium	ND		0.020	0.010	mg/L		03/08/22 11:10	03/09/22 01:58	1
Lead	ND		0.020	0.0030	mg/L		03/08/22 11:10	03/09/22 01:58	1
Selenium	ND		0.025	0.0087	mg/L		03/08/22 11:10	03/09/22 01:58	1
Silver	ND		0.0060	0.0017	mg/L		03/08/22 11:10	03/09/22 01:58	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-617106/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617202 — **Prep Batch: 617106**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:09	1

Lab Sample ID: LCS 480-617106/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617202 — **Prep Batch: 617106**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00688		mg/L		103	80 - 120

Lab Sample ID: LB 480-616935/1-E — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: TCLP**
Analysis Batch: 617202 — **Prep Batch: 617106**

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000043	mg/L		03/08/22 11:29	03/08/22 15:08	1

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-617220/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617220

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	79.00		Degrees F		98	97.5 - 102.5

Lab Sample ID: LCS 480-617344/1 — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 617344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-616843/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 616868 — **Prep Batch: 616843**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/Kg		03/04/22 13:25	03/04/22 15:18	1

Lab Sample ID: LCS 480-616843/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 616868 — **Prep Batch: 616843**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	271.3		mg/Kg		27	10 - 100

QC Sample Results

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-616847/1-A
Matrix: Solid
Analysis Batch: 616861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 616847

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/Kg		03/04/22 13:25	03/04/22 14:51	1

Lab Sample ID: LCS 480-616847/2-A
Matrix: Solid
Analysis Batch: 616861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 616847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	1320	641.2		mg/Kg		49	10 - 100

Method: 9045D - pH

Lab Sample ID: LCS 480-616897/1
Matrix: Solid
Analysis Batch: 616897

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

Lab Sample ID: 480-195466-9 DU
Matrix: Solid
Analysis Batch: 616897

Client Sample ID: LF1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	8.8	HF	8.9		SU		0.2	5
Temperature	19.8	HF	19.8		Degrees C		0	10

QC Association Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

GC/MS VOA

Analysis Batch: 616658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-616692/2-A	Method Blank	Total/NA	Solid	8260C	616692
LCS 480-616692/1-A	Lab Control Sample	Total/NA	Solid	8260C	616692

Prep Batch: 616692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	5035A_H	
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	5035A_H	
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	5035A_H	
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	5035A_H	
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	5035A_H	
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	5035A_H	
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	5035A_H	
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	5035A_H	
480-195466-11	LF1	Total/NA	Solid	5035A_H	
MB 480-616692/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-616692/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	

Analysis Batch: 616884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	8260C	616692
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	8260C	616692
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	8260C	616692
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	8260C	616692
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	8260C	616692
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	8260C	616692
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	8260C	616692
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	8260C	616692
480-195466-11	LF1	Total/NA	Solid	8260C	616692

Leach Batch: 616936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616936/1-A	Method Blank	TCLP	Solid	1311	

Analysis Batch: 617050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8260C	616936
480-195466-10	LF2	TCLP	Solid	8260C	616936
LB 480-616936/1-A	Method Blank	TCLP	Solid	8260C	616936
MB 480-617050/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-617050/5	Lab Control Sample	Total/NA	Solid	8260C	

GC/MS Semi VOA

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-F	Method Blank	TCLP	Solid	1311	

QC Association Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

GC/MS Semi VOA

Prep Batch: 617177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3510C	616935
480-195466-10	LF2	TCLP	Solid	3510C	616935
LB 480-616935/1-F	Method Blank	TCLP	Solid	3510C	616935
MB 480-617177/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-617177/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-617177/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Analysis Batch: 617260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8270D	617177
480-195466-10	LF2	TCLP	Solid	8270D	617177
LB 480-616935/1-F	Method Blank	TCLP	Solid	8270D	617177
MB 480-617177/1-A	Method Blank	Total/NA	Solid	8270D	617177
LCS 480-617177/2-A	Lab Control Sample	Total/NA	Solid	8270D	617177
LCSD 480-617177/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	617177

GC VOA

Prep Batch: 617051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	5035A_H	
480-195466-10	LF2	Total/NA	Solid	5035A_H	
MB 480-617051/1-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-617051/2-A	Lab Control Sample	Total/NA	Solid	5035A_H	
480-195466-9 MS	LF1	Total/NA	Solid	5035A_H	
480-195466-9 MSD	LF1	Total/NA	Solid	5035A_H	

Analysis Batch: 617059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8015D	617051
480-195466-10	LF2	Total/NA	Solid	8015D	617051
MB 480-617051/1-A	Method Blank	Total/NA	Solid	8015D	617051
LCS 480-617051/2-A	Lab Control Sample	Total/NA	Solid	8015D	617051
480-195466-9 MS	LF1	Total/NA	Solid	8015D	617051
480-195466-9 MSD	LF1	Total/NA	Solid	8015D	617051

GC Semi VOA

Prep Batch: 616931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	3550C	
480-195466-10	LF2	Total/NA	Solid	3550C	
MB 480-616931/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-616931/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-195466-10 MS	LF2	Total/NA	Solid	3550C	
480-195466-10 MSD	LF2	Total/NA	Solid	3550C	

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-B	Method Blank	TCLP	Solid	1311	

GC Semi VOA (Continued)

Leach Batch: 616935 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 480-616935/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 616939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	3550C	
480-195466-10	LF2	Total/NA	Solid	3550C	
MB 480-616939/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-616939/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-616939/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 616986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8015D	616939
480-195466-10	LF2	Total/NA	Solid	8015D	616939
MB 480-616939/1-A	Method Blank	Total/NA	Solid	8015D	616939
LCS 480-616939/2-A	Lab Control Sample	Total/NA	Solid	8015D	616939
LCSD 480-616939/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	616939

Analysis Batch: 617012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	8082A	616931
480-195466-10	LF2	Total/NA	Solid	8082A	616931
MB 480-616931/1-A	Method Blank	Total/NA	Solid	8082A	616931
LCS 480-616931/2-A	Lab Control Sample	Total/NA	Solid	8082A	616931
480-195466-10 MS	LF2	Total/NA	Solid	8082A	616931
480-195466-10 MSD	LF2	Total/NA	Solid	8082A	616931

Prep Batch: 617096

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3510C	616935
480-195466-10	LF2	TCLP	Solid	3510C	616935
LB 480-616935/1-B	Method Blank	TCLP	Solid	3510C	616935
MB 480-617096/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-617096/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-617096/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

Prep Batch: 617097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8151A	616935
480-195466-10	LF2	TCLP	Solid	8151A	616935
LB 480-616935/1-C	Method Blank	TCLP	Solid	8151A	616935
MB 480-617097/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-617097/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 480-617097/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	

Analysis Batch: 617225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8151	617097
480-195466-10	LF2	TCLP	Solid	8151	617097
LB 480-616935/1-C	Method Blank	TCLP	Solid	8151	617097
MB 480-617097/1-A	Method Blank	Total/NA	Solid	8151	617097

GC Semi VOA (Continued)

Analysis Batch: 617225 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-617097/2-A	Lab Control Sample	Total/NA	Solid	8151	617097
LCSD 480-617097/3-A	Lab Control Sample Dup	Total/NA	Solid	8151	617097

Analysis Batch: 617227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	8081B	617096
480-195466-10	LF2	TCLP	Solid	8081B	617096
LB 480-616935/1-B	Method Blank	TCLP	Solid	8081B	617096
MB 480-617096/1-A	Method Blank	Total/NA	Solid	8081B	617096
LCS 480-617096/2-A	Lab Control Sample	Total/NA	Solid	8081B	617096
LCSD 480-617096/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	617096

Metals

Leach Batch: 616935

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	1311	
480-195466-10	LF2	TCLP	Solid	1311	
LB 480-616935/1-D	Method Blank	TCLP	Solid	1311	
LB 480-616935/1-E	Method Blank	TCLP	Solid	1311	

Prep Batch: 617104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	3010A	616935
480-195466-10	LF2	TCLP	Solid	3010A	616935
LB 480-616935/1-D	Method Blank	TCLP	Solid	3010A	616935
MB 480-617104/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-617104/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 617106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	7470A	616935
480-195466-10	LF2	TCLP	Solid	7470A	616935
LB 480-616935/1-E	Method Blank	TCLP	Solid	7470A	616935
MB 480-617106/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-617106/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 617202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	7470A	617106
480-195466-10	LF2	TCLP	Solid	7470A	617106
LB 480-616935/1-E	Method Blank	TCLP	Solid	7470A	617106
MB 480-617106/2-A	Method Blank	Total/NA	Solid	7470A	617106
LCS 480-617106/3-A	Lab Control Sample	Total/NA	Solid	7470A	617106

Analysis Batch: 617286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	TCLP	Solid	6010C	617104
480-195466-10	LF2	TCLP	Solid	6010C	617104
LB 480-616935/1-D	Method Blank	TCLP	Solid	6010C	617104
MB 480-617104/2-A	Method Blank	Total/NA	Solid	6010C	617104

Metals (Continued)

Analysis Batch: 617286 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-617104/3-A	Lab Control Sample	Total/NA	Solid	6010C	617104

General Chemistry

Analysis Batch: 616748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-1	SB201 (1.8-2.3)	Total/NA	Solid	Moisture	
480-195466-2	SB201 (6-6.5)	Total/NA	Solid	Moisture	
480-195466-3	SB202 (2-2.5)	Total/NA	Solid	Moisture	
480-195466-4	SB202 (6-6.5)	Total/NA	Solid	Moisture	
480-195466-5	SB203 (2-2.5)	Total/NA	Solid	Moisture	
480-195466-6	SB203 (5-5.5)	Total/NA	Solid	Moisture	
480-195466-7	SB204 (2.75-3.2)	Total/NA	Solid	Moisture	
480-195466-8	SB204 (5.5-6.0)	Total/NA	Solid	Moisture	
480-195466-11	LF1	Total/NA	Solid	Moisture	

Prep Batch: 616843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	7.3.3	
480-195466-10	LF2	Total/NA	Solid	7.3.3	
MB 480-616843/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-616843/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 616847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	7.3.4	
480-195466-10	LF2	Total/NA	Solid	7.3.4	
MB 480-616847/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-616847/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 616861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9034	616847
480-195466-10	LF2	Total/NA	Solid	9034	616847
MB 480-616847/1-A	Method Blank	Total/NA	Solid	9034	616847
LCS 480-616847/2-A	Lab Control Sample	Total/NA	Solid	9034	616847

Analysis Batch: 616868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9012	616843
480-195466-10	LF2	Total/NA	Solid	9012	616843
MB 480-616843/1-A	Method Blank	Total/NA	Solid	9012	616843
LCS 480-616843/2-A	Lab Control Sample	Total/NA	Solid	9012	616843

Analysis Batch: 616897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	9045D	
480-195466-10	LF2	Total/NA	Solid	9045D	
LCS 480-616897/1	Lab Control Sample	Total/NA	Solid	9045D	
480-195466-9 DU	LF1	Total/NA	Solid	9045D	

QC Association Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

General Chemistry

Analysis Batch: 617204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	Moisture	
480-195466-10	LF2	Total/NA	Solid	Moisture	

Analysis Batch: 617220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-9	LF1	Total/NA	Solid	1010A	
LCS 480-617220/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 617344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-195466-10	LF2	Total/NA	Solid	1010A	
LCS 480-617344/1	Lab Control Sample	Total/NA	Solid	1010A	

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1
Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB201 (1.8-2.3)
Lab Sample ID: 480-195466-1
Date Collected: 03/02/22 09:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 00:50	AXK	TAL BUF

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2
Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB201 (6-6.5)
Lab Sample ID: 480-195466-2
Date Collected: 03/02/22 10:03
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 01:12	AXK	TAL BUF

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3
Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB202 (2-2.5)
Lab Sample ID: 480-195466-3
Date Collected: 03/02/22 10:45
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 91.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		4	616884	03/06/22 01:36	AXK	TAL BUF

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4
Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB202 (6-6.5)
Lab Sample ID: 480-195466-4
Date Collected: 03/02/22 11:10
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:00	AXK	TAL BUF

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5
Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB203 (2-2.5)
Lab Sample ID: 480-195466-5
Date Collected: 03/02/22 11:53
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:23	AXK	TAL BUF

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6
Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB203 (5-5.5)
Lab Sample ID: 480-195466-6
Date Collected: 03/02/22 12:09
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 02:46	AXK	TAL BUF

Client Sample ID: SB204 (2.75-3.2)
Lab Sample ID: 480-195466-7
Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: SB204 (2.75-3.2)

Lab Sample ID: 480-195466-7
Date Collected: 03/02/22 12:55
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		4	616884	03/06/22 03:10	AXK	TAL BUF

Client Sample ID: SB204 (5.5-6.0)

Lab Sample ID: 480-195466-8
Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: SB204 (5.5-6.0)

Lab Sample ID: 480-195466-8
Date Collected: 03/02/22 13:23
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 03:34	AXK	TAL BUF

Client Sample ID: LF1

Lab Sample ID: 480-195466-9
Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			616936	03/07/22 08:34	JMP	TAL BUF
TCLP	Analysis	8260C		10	617050	03/08/22 18:19	OMI	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617177	03/08/22 15:04	CMC	TAL BUF
TCLP	Analysis	8270D		1	617260	03/09/22 13:52	JMM	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617096	03/08/22 09:48	JMP	TAL BUF
TCLP	Analysis	8081B		1	617227	03/09/22 11:58	JLS	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	8151A			617097	03/08/22 09:52	JMP	TAL BUF
TCLP	Analysis	8151		1	617225	03/09/22 17:59	MAN	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3010A			617104	03/08/22 11:10	KMP	TAL BUF
TCLP	Analysis	6010C		1	617286	03/09/22 02:13	LMH	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	7470A			617106	03/08/22 11:29	BMB	TAL BUF
TCLP	Analysis	7470A		1	617202	03/08/22 15:16	BMB	TAL BUF
Total/NA	Analysis	1010A		1	617220	03/08/22 18:32	EJL	TAL BUF
Total/NA	Prep	7.3.3			616843	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9012		1	616868	03/04/22 15:26	JGO	TAL BUF
Total/NA	Prep	7.3.4			616847	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9034		1	616861	03/04/22 14:51	JGO	TAL BUF
Total/NA	Analysis	9045D		1	616897	03/05/22 17:40	CSS	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF1
Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	617204	03/08/22 16:35	JMM	TAL BUF

Client Sample ID: LF1
Date Collected: 03/02/22 14:15
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-9
Matrix: Solid
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			617051	03/08/22 08:05	JLS	TAL BUF
Total/NA	Analysis	8015D		1	617059	03/08/22 10:38	JLS	TAL BUF
Total/NA	Prep	3550C			616939	03/07/22 09:00	VXF	TAL BUF
Total/NA	Analysis	8015D		1	616986	03/07/22 12:39	MAN	TAL BUF
Total/NA	Prep	3550C			616931	03/07/22 07:42	VXF	TAL BUF
Total/NA	Analysis	8082A		1	617012	03/07/22 18:03	NC	TAL BUF

Client Sample ID: LF2
Date Collected: 03/02/22 14:25
Date Received: 03/03/22 13:35

Lab Sample ID: 480-195466-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			616936	03/07/22 08:34	JMP	TAL BUF
TCLP	Analysis	8260C		10	617050	03/08/22 18:42	OMI	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617177	03/08/22 15:04	CMC	TAL BUF
TCLP	Analysis	8270D		1	617260	03/09/22 14:16	JMM	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3510C			617096	03/08/22 09:48	JMP	TAL BUF
TCLP	Analysis	8081B		1	617227	03/09/22 12:18	JLS	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	8151A			617097	03/08/22 09:52	JMP	TAL BUF
TCLP	Analysis	8151		1	617225	03/09/22 18:28	MAN	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	3010A			617104	03/08/22 11:10	KMP	TAL BUF
TCLP	Analysis	6010C		1	617286	03/09/22 02:17	LMH	TAL BUF
TCLP	Leach	1311			616935	03/07/22 08:29	JMP	TAL BUF
TCLP	Prep	7470A			617106	03/08/22 11:29	BMB	TAL BUF
TCLP	Analysis	7470A		1	617202	03/08/22 15:17	BMB	TAL BUF
Total/NA	Analysis	1010A		1	617344	03/09/22 16:08	EJL	TAL BUF
Total/NA	Prep	7.3.3			616843	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9012		1	616868	03/04/22 15:27	JGO	TAL BUF
Total/NA	Prep	7.3.4			616847	03/04/22 13:25	JGO	TAL BUF
Total/NA	Analysis	9034		1	616861	03/04/22 14:51	JGO	TAL BUF
Total/NA	Analysis	9045D		1	616897	03/05/22 17:40	CSS	TAL BUF
Total/NA	Analysis	Moisture		1	617204	03/08/22 16:35	JMM	TAL BUF

Lab Chronicle

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Client Sample ID: LF2

Lab Sample ID: 480-195466-10
Date Collected: 03/02/22 14:25
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 78.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			617051	03/08/22 08:05	JLS	TAL BUF
Total/NA	Analysis	8015D		1	617059	03/08/22 11:15	JLS	TAL BUF
Total/NA	Prep	3550C			616939	03/07/22 09:00	VXF	TAL BUF
Total/NA	Analysis	8015D		1	616986	03/07/22 13:15	MAN	TAL BUF
Total/NA	Prep	3550C			616931	03/07/22 07:42	VXF	TAL BUF
Total/NA	Analysis	8082A		1	617012	03/07/22 17:37	NC	TAL BUF

Client Sample ID: LF1

Lab Sample ID: 480-195466-11
Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	616748	03/03/22 18:59	CDC	TAL BUF

Client Sample ID: LF1

Lab Sample ID: 480-195466-11
Date Collected: 03/02/22 14:15
Matrix: Solid
Date Received: 03/03/22 13:35
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			616692	03/03/22 17:00	LCH	TAL BUF
Total/NA	Analysis	8260C		1	616884	03/06/22 03:58	AXK	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Matrix Environmental Technologies Inc
Job ID: 480-195466-1
Project/Site: Project # 18-046 - Lakeside Village Apts

Laboratory: Eurofins Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

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
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Method	Method Description	Protocol	Laboratory
8260C	TCLP Volatiles	SW846	TAL BUF
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL BUF
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151	TCLP Herbicides	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	TCLP Mercury	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9045D	pH	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
1311	TCLP Extraction	SW846	TAL BUF
3010A	Preparation, Total Metals	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
7.3.3	Cyanide, Reactive	SW846	TAL BUF
7.3.4	Sulfide, Reactive	SW846	TAL BUF
7470A	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL 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:

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

Sample Summary

Client: Matrix Environmental Technologies Inc
Project/Site: Project # 18-046 - Lakeside Village Apts

Job ID: 480-195466-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-195466-1	SB201 (1.8-2.3)	Solid	03/02/22 09:55	03/03/22 13:35
480-195466-2	SB201 (6-6.5)	Solid	03/02/22 10:03	03/03/22 13:35
480-195466-3	SB202 (2-2.5)	Solid	03/02/22 10:45	03/03/22 13:35
480-195466-4	SB202 (6-6.5)	Solid	03/02/22 11:10	03/03/22 13:35
480-195466-5	SB203 (2-2.5)	Solid	03/02/22 11:53	03/03/22 13:35
480-195466-6	SB203 (5-5.5)	Solid	03/02/22 12:09	03/03/22 13:35
480-195466-7	SB204 (2.75-3.2)	Solid	03/02/22 12:55	03/03/22 13:35
480-195466-8	SB204 (5.5-6.0)	Solid	03/02/22 13:23	03/03/22 13:35
480-195466-9	LF1	Solid	03/02/22 14:15	03/03/22 13:35
480-195466-10	LF2	Solid	03/02/22 14:25	03/03/22 13:35
480-195466-11	LF1	Solid	03/02/22 14:15	03/03/22 13:35

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information

Client Contact: Ms. Christine Curtis
Company: Matrix Environmental Technologies Inc
Address: 3730 California Road PO BOX 427
City: Orchard Park
State, Zip: NY, 14127
Phone: 908-399-3651(Tel) 518-636-5190(Fax)
Email: ccurtis@matrixbiotech.com
Project Name: Lakeside Village Apartments
Site: 65-67 Lake Ave. Lancaster, N.Y.

Sampler: Craig D. Zink
Phone: 908-399-3651
PWSID:
Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #: 18-046
WO #:
Project #: 48024071
SSOW#:

Lab PM: Hartmann, Steve
E-Mail: Steve.Hartmann@Eurofinset.com
Carrier Tracking No(s):
State of Origin:

COC No: 480-171005-37105.1
Page: Page 1 of 2
Job #:

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, R - Na2S2O3

480-195466 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)	8260C - TCL VOCs	8260C - TCLP Volatiles	6010C, 7470A, 8081B, 8151A, 8270D	9012_ReactiveCN, 9034_Reactive	1010A, 9045D	8082A - TCL PCBs	8015D_DRO - DRO	8015D_GRO - GRO	Total Number of	Special Instructions/Note:
			Preservation Code:				N	N	N	N	N	N	N	N		
SB201 (1.8'-2.3')	3-2-22	9:55 am	G	Solid			✓									
SB201 (6-6.5')	3-2-22	10:03 am	G	Solid			✓									
SB202 (2'-2.5')	3-2-22	10:45 am	G	Solid			✓									
SB202 (6'-6.5')	3-2-22	11:10 am	G	Solid			✓									
SB203 (2'-2.5')	3-2-22	11:53 am	G	Solid			✓									
SB203 (5'-5.5')	3-2-22	12:07 pm	G	Solid			✓									
SB204 (2.75'-3.2')	3-2-22	12:55	G	Solid			✓									
SB204 (5.5'-6.0')	3-2-22	1:23	G	Solid			✓									
LF1	3-2-22	2:15	G	Solid			✓									
LF1	3-2-22	2:15	C	Solid				✓	✓	✓	✓	✓	✓	✓		
LF2	3-2-22	2:25	C	Solid				✓	✓	✓	✓	✓	✓	✓		

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: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Craig D. Zink	3/3/22 13:35		Wallace	3/3/22 1335	TAB

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: Big #1 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Matrix Environmental Technologies Inc

Job Number: 480-195466-1

Login Number: 195466
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.	False	OUT OF TEMP
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	MATRIX
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	