

**APPENDIX E**

**DATA USABILITY SUMMARY REPORTS**

## **FILL & SOIL SAMPLES**

**Project:** NYSDEC Highland Plaza Site  
Soil Sampling  
**Laboratory:** Con-Test  
**Work Order No:** 23J0292  
**Fraction:** Organic  
**Matrix:** Soil  
**Report Date:** 8/18/2024

This data usability summary report is based upon a review of analytical data generated for soil samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Validating Volatile Organic Compounds", HW-24, revision 4, October 2014. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

- 
- X • Data Completeness
  - X • Chain of Custody Documentation/Sample Receipt
  - X • Holding Times
  - X • Instrument Performance
  - X • Initial and Continuing Calibrations
  - X • Laboratory and Field Blank Analysis Results
  - X • Surrogate Compound Recoveries
    - Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
    - Field Duplicate Analysis Results
  - X • Laboratory Control Sample Results
  - X • Internal Standard Performance
  - X • Qualitative Identification
  - X • Quantitation/Reporting Limits
- 

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers  
President

August 18, 2024

## **1.0 DATA COMPLETENESS**

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no following missing items or issues.

## **2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT**

The chain of custody was complete.

The samples were received in acceptable condition.

No qualifiers were applied.

## **3.0 HOLDING TIMES**

All criteria were met. No qualifiers were applied.

## **4.0 INSTRUMENT PERFORMANCE**

All criteria were met. No qualifiers were applied.

## **5.0 INITIAL AND CONTINUING CALIBRATIONS**

All criteria were met. No qualifiers were applied.

## **6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS**

No compounds were detected in the associated volatile laboratory method blank.

Trip, field, or equipment blanks were not submitted with the samples. This should be noted when assessing the data.

## **7.0** *SURROGATE COMPOUNDS*

All criteria were met. No qualifiers were applied.

## **8.0** *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

## **9.0** *FIELD DUPLICATE RESULTS*

Field duplicate samples were not submitted for this work order.

## **10.0** *LABORATORY CONTROL SAMPLE RESULTS*

All criteria were met. No qualifiers were applied.

## **11.0** *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

## **13.0** *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

## **14.0** *QUANTITATION/REPORTING LIMITS*

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

Analysis	Reference
Volatile Organic Compounds	Method 8260D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, V, and VI, June 2018

Table 1 Data Usability Summary Report

NYSDEC Highland Plaza Site

Soil Sampling

Con-Test Work Order No. 23J0292

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Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed
				8260D
SB-55-1.0-1.5	23J0292-07	10/2/2023	Soil	X
SB-55-2.0-2.5	23J0292-08	10/2/2023	Soil	X
SB-55-3.5-4.0	23J0292-09	10/2/2023	Soil	X
SB-55-5.0-5.5	23J0292-10	10/2/2023	Soil	X
SB-55-6.0-6.5	23J0292-11	10/2/2023	Soil	X
SB-55-7.5-8.0	23J0292-12	10/2/2023	Soil	X
SB-56-1.0-1.5	23J0292-13	10/2/2023	Soil	X
SB-56-2.0-2.5	23J0292-14	10/2/2023	Soil	X
SB-56-3.5-4.0	23J0292-15	10/2/2023	Soil	X
SB-56-5.0-5.5	23J0292-16	10/2/2023	Soil	X
SB-56-6.0-6.5	23J0292-17	10/2/2023	Soil	X
SB-56-7.5-8.0	23J0292-18	10/2/2023	Soil	X
SB-57-1.0-1.5	23J0292-19	10/2/2023	Soil	X
SB-57-2.0-2.5	23J0292-20	10/2/2023	Soil	X
SB-64-1.0-1.5	23J0292-01	10/2/2023	Soil	X
SB-64-2.0-2.5	23J0292-02	10/2/2023	Soil	X
SB-64-3.5-4.0	23J0292-03	10/2/2023	Soil	X
SB-64-5.0-5.5	23J0292-04	10/2/2023	Soil	X
SB-64-6.0-6.5	23J0292-05	10/2/2023	Soil	X
SB-64-7.5-8.0	23J0292-06	10/2/2023	Soil	X

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-1.0-1.5

Sampled: 10/2/2023 08:56

Sample ID: 23J0292-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 6:41	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-1.0-1.5

Sampled: 10/2/2023 08:56

Sample ID: 23J0292-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:41	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.1	70-130					10/4/23	6:41	
Toluene-d8		95.4	70-130					10/4/23	6:41	
4-Bromofluorobenzene		98.6	70-130					10/4/23	6:41	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-1.0-1.5

Sampled: 10/2/2023 08:56

Sample ID: 23J0292-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 08:58

Sample ID: 23J0292-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Acrylonitrile	ND	0.0070	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Benzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Bromobenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Bromochloromethane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Bromodichloromethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Bromoform	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 7:07	MFF
2-Butanone (MEK)	ND	0.047	0.0073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
n-Butylbenzene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
tert-Butylbenzene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Carbon Disulfide	ND	0.012	0.0094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Carbon Tetrachloride	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Chlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Chlorodibromomethane	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Chloroform	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
2-Chlorotoluene	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
4-Chlorotoluene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Dibromomethane	ND	0.0023	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1-Dichloroethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1-Dichloroethylene	ND	0.0047	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2-Dichloropropane	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
2,2-Dichloropropane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Diethyl Ether	ND	0.023	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 08:58

Sample ID: 23J0292-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Ethylbenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Hexachlorobutadiene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
2-Hexanone (MBK)	ND	0.023	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Methyl Cyclohexane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Naphthalene	ND	0.012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
n-Propylbenzene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Styrene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Tetrachloroethylene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Toluene	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Trichloroethylene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Vinyl Chloride	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
o-Xylene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:07	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		99.5	70-130					10/4/23	7:07	
Toluene-d8		96.2	70-130					10/4/23	7:07	
4-Bromofluorobenzene		97.4	70-130					10/4/23	7:07	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 08:58

Sample ID: 23J0292-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-3.5-4.0

Sampled: 10/2/2023 09:00

Sample ID: 23J0292-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 7:32	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-3.5-4.0

Sampled: 10/2/2023 09:00

Sample ID: 23J0292-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Tetrachloroethylene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:32	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.6	70-130					10/4/23	7:32	
Toluene-d8		95.3	70-130					10/4/23	7:32	
4-Bromofluorobenzene		97.1	70-130					10/4/23	7:32	

*SMK*  
10/17/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-3.5-4.0

Sampled: 10/2/2023 09:00

Sample ID: 23J0292-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.5		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-5.0-5.5

Sampled: 10/2/2023 08:50

Sample ID: 23J0292-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Acrylonitrile	ND	0.0072	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 7:58	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Carbon Disulfide	ND	0.012	0.0096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-5.0-5.5

Sampled: 10/2/2023 08:50

Sample ID: 23J0292-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Methyl Cyclohexane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Naphthalene	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:58	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.4	70-130					10/4/23	7:58	
Toluene-d8		95.6	70-130					10/4/23	7:58	
4-Bromofluorobenzene		98.3	70-130					10/4/23	7:58	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-5.0-5.5

Sampled: 10/2/2023 08:50

Sample ID: 23J0292-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-6.0-6.5

Sampled: 10/2/2023 08:48

Sample ID: 23J0292-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Acrylonitrile	ND	0.0074	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Benzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Bromobenzene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Bromochloromethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Bromodichloromethane	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Bromoform	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 8:23	MFF
2-Butanone (MEK)	ND	0.049	0.0077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
n-Butylbenzene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Carbon Disulfide	ND	0.012	0.0099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Carbon Tetrachloride	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Chlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Chlorodibromomethane	ND	0.0012	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Chloroform	ND	0.0049	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
2-Chlorotoluene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
4-Chlorotoluene	ND	0.0025	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Dibromomethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1-Dichloroethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2-Dichloroethane	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2-Dichloropropane	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
2,2-Dichloropropane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-6.0-6.5

Sampled: 10/2/2023 08:48

Sample ID: 23J0292-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,4-Dioxane	ND	0.12	0.056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
2-Hexanone (MBK)	ND	0.025	0.0062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Methyl Cyclohexane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Naphthalene	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
n-Propylbenzene	ND	0.0025	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Styrene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Tetrachloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Tetrahydrofuran	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Toluene	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2,3-Trichlorobenzene	ND	0.0049	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Trichloroethylene	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Vinyl Chloride	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
m+p Xylene	ND	0.0049	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
o-Xylene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:23	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		95.4	70-130					10/4/23	8:23	
Toluene-d8		94.4	70-130					10/4/23	8:23	
4-Bromofluorobenzene		96.0	70-130					10/4/23	8:23	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-6.0-6.5

Sampled: 10/2/2023 08:48

Sample ID: 23J0292-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-7.5-8.0

Sampled: 10/2/2023 08:45

Sample ID: 23J0292-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Bromobenzene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Bromochloromethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Bromomethane	ND	0.011	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 8:49	MFF
2-Butanone (MEK)	ND	0.045	0.0071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
tert-Butylbenzene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Carbon Disulfide	ND	0.011	0.0090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Chlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Chlorodibromomethane	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Chloroethane	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Chloroform	ND	0.0045	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Dibromomethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2-Dichloroethane	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1-Dichloroethylene	ND	0.0045	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2-Dichloropropane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
2,2-Dichloropropane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Diethyl Ether	ND	0.023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-7.5-8.0

Sampled: 10/2/2023 08:45

Sample ID: 23J0292-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Ethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Hexachlorobutadiene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Methyl Cyclohexane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Naphthalene	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
n-Propylbenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Tetrachloroethylene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Toluene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2,3-Trichlorobenzene	ND	0.0045	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Trichloroethylene	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Vinyl Chloride	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
o-Xylene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:49	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		98.7	70-130					10/4/23	8:49	
Toluene-d8		96.7	70-130					10/4/23	8:49	
4-Bromofluorobenzene		97.4	70-130					10/4/23	8:49	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-7.5-8.0

Sampled: 10/2/2023 08:45

Sample ID: 23J0292-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-1.0-1.5

Sampled: 10/2/2023 09:20

Sample ID: 23J0292-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Acrylonitrile	ND	0.0076	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Benzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Bromobenzene	ND	0.0025	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Bromochloromethane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Bromodichloromethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Bromoform	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 9:14	MFF
2-Butanone (MEK)	ND	0.050	0.0079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
n-Butylbenzene	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Carbon Tetrachloride	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Chlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Chlorodibromomethane	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Chloroform	ND	0.0050	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Chloromethane	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
2-Chlorotoluene	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
4-Chlorotoluene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Dibromomethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1-Dichloroethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2-Dichloropropane	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,3-Dichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
2,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-1.0-1.5

Sampled: 10/2/2023 09:20

Sample ID: 23J0292-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,4-Dioxane	ND	0.13	0.057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Ethylbenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
2-Hexanone (MBK)	ND	0.025	0.0063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Methyl Cyclohexane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Naphthalene	ND	0.013	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
n-Propylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Tetrachloroethylene	0.0046	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Toluene	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2,3-Trichlorobenzene	ND	0.0050	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Trichloroethylene	0.0027	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Vinyl Chloride	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
m+p Xylene	ND	0.0050	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
o-Xylene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:14	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		101	70-130					10/4/23	9:14	
Toluene-d8		96.2	70-130					10/4/23	9:14	
4-Bromofluorobenzene		97.8	70-130					10/4/23	9:14	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-1.0-1.5

Sampled: 10/2/2023 09:20

Sample ID: 23J0292-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.6		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-2.0-2.5

Sampled: 10/2/2023 09:22

Sample ID: 23J0292-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Acrylonitrile	ND	0.0076	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Benzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Bromobenzene	ND	0.0025	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Bromochloromethane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Bromodichloromethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Bromoform	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 9:40	MFF
2-Butanone (MEK)	ND	0.051	0.0079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
n-Butylbenzene	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Carbon Tetrachloride	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Chlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Chlorodibromomethane	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Chloroform	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
2-Chlorotoluene	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
4-Chlorotoluene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Dibromomethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1-Dichloroethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1-Dichloroethylene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2-Dichloropropane	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,3-Dichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
2,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-2.0-2.5

Sampled: 10/2/2023 09:22

Sample ID: 23J0292-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Ethylbenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
2-Hexanone (MBK)	ND	0.025	0.0064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Methyl Cyclohexane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Naphthalene	ND	0.013	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
n-Propylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Tetrachloroethylene	0.0017	0.0025	0.0011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Toluene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2,3-Trichlorobenzene	ND	0.0051	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Trichloroethylene	0.0025	0.0025	0.0010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
Vinyl Chloride	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF
o-Xylene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	102	70-130	10/4/23 9:40
Toluene-d8	96.0	70-130	10/4/23 9:40
4-Bromofluorobenzene	98.6	70-130	10/4/23 9:40

*SMK*  
10/17/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-2.0-2.5

Sampled: 10/2/2023 09:22

Sample ID: 23J0292-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-3.5-4.0

Sampled: 10/2/2023 09:25

Sample ID: 23J0292-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Acrylonitrile	ND	0.0074	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Benzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Bromobenzene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Bromochloromethane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Bromodichloromethane	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Bromoform	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 10:05	MFF
2-Butanone (MEK)	ND	0.049	0.0077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
n-Butylbenzene	ND	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Carbon Disulfide	ND	0.012	0.0099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Carbon Tetrachloride	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Chlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Chlorodibromomethane	ND	0.0012	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Chloroform	ND	0.0049	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
2-Chlorotoluene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
4-Chlorotoluene	ND	0.0025	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Dibromomethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2-Dichloroethane	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2-Dichloropropane	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
2,2-Dichloropropane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-3.5-4.0

Sampled: 10/2/2023 09:25

Sample ID: 23J0292-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,4-Dioxane	ND	0.12	0.056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
2-Hexanone (MBK)	ND	0.025	0.0062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Methyl Cyclohexane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Naphthalene	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
n-Propylbenzene	ND	0.0025	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Styrene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Tetrachloroethylene	0.0016	0.0025	0.0010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Tetrahydrofuran	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Toluene	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2,3-Trichlorobenzene	ND	0.0049	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Trichloroethylene	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
Vinyl Chloride	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
m+p Xylene	ND	0.0049	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF
o-Xylene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.6	70-130	10/4/23 10:05
Toluene-d8	96.1	70-130	10/4/23 10:05
4-Bromofluorobenzene	101	70-130	10/4/23 10:05

*SMK*  
10/4/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Sampled: 10/2/2023 09:25

Field Sample #: SB-55-3.5-4.0

Sample ID: 23J0292-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-5.0-5.5

Sampled: 10/2/2023 09:30

Sample ID: 23J0292-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Benzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Bromochloromethane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 10:31	MFF
2-Butanone (MEK)	ND	0.049	0.0076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
sec-Butylbenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Carbon Tetrachloride	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Chloroform	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
4-Chlorotoluene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
cis-1,2-Dichloroethylene	0.00083	0.0024	0.00077	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:31	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2-Dichloropropane	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
2,2-Dichloropropane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Diethyl Ether	ND	0.024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-5.0-5.5

Sampled: 10/2/2023 09:30

Sample ID: 23J0292-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Ethylbenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Naphthalene	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
n-Propylbenzene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2,3-Trichlorobenzene	ND	0.0049	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Trichloroethylene	ND	0.0024	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Vinyl Chloride	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
m+p Xylene	ND	0.0049	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
o-Xylene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:31	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		93.7	70-130						10/4/23 10:31	
Toluene-d8		95.8	70-130						10/4/23 10:31	
4-Bromofluorobenzene		100	70-130						10/4/23 10:31	

*SMK*  
10/17/2024

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-5.0-5.5

Sampled: 10/2/2023 09:30

Sample ID: 23J0292-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-6.0-6.5

Sampled: 10/2/2023 09:33

Sample ID: 23J0292-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 10:56	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
cis-1,2-Dichloroethylene	0.0010	0.0024	0.00075	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:56	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-6.0-6.5

Sampled: 10/2/2023 09:33

Sample ID: 23J0292-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Tetrachloroethylene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:56	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.8	70-130	10/4/23 10:56
Toluene-d8	96.0	70-130	10/4/23 10:56
4-Bromofluorobenzene	98.2	70-130	10/4/23 10:56

*SMK*  
10/4/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-6.0-6.5

Sampled: 10/2/2023 09:33

Sample ID: 23J0292-11

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.1		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-7.5-8.0

Sampled: 10/2/2023 09:35

Sample ID: 23J0292-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 11:21	MFF
2-Butanone (MEK)	ND	0.048	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-7.5-8.0

Sampled: 10/2/2023 09:35

Sample ID: 23J0292-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Methyl Cyclohexane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Naphthalene	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:21	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	96.9	70-130	10/4/23 11:21
Toluene-d8	97.0	70-130	10/4/23 11:21
4-Bromofluorobenzene	99.8	70-130	10/4/23 11:21

*SMK*  
10/4/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-55-7.5-8.0

Sampled: 10/2/2023 09:35

Sample ID: 23J0292-12

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-1.0-1.5

Sampled: 10/2/2023 09:50

Sample ID: 23J0292-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Acrylonitrile	ND	0.0076	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Benzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Bromobenzene	ND	0.0025	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Bromochloromethane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Bromodichloromethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Bromoform	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 11:47	MFF
2-Butanone (MEK)	ND	0.051	0.0079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
n-Butylbenzene	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Carbon Tetrachloride	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Chlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Chlorodibromomethane	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Chloroform	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
2-Chlorotoluene	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
4-Chlorotoluene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Dibromomethane	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1-Dichloroethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2-Dichloroethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1-Dichloroethylene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2-Dichloropropane	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,3-Dichloropropane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
2,2-Dichloropropane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-1.0-1.5

Sampled: 10/2/2023 09:50

Sample ID: 23J0292-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Ethylbenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
2-Hexanone (MBK)	ND	0.025	0.0064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Methyl Cyclohexane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Naphthalene	ND	0.013	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
n-Propylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Styrene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Tetrachloroethylene	0.012	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Toluene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2,3-Trichlorobenzene	ND	0.0051	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Trichloroethylene	0.0032	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Vinyl Chloride	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
o-Xylene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:47	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		100	70-130						10/4/23 11:47	
Toluene-d8		95.0	70-130						10/4/23 11:47	
4-Bromofluorobenzene		99.4	70-130						10/4/23 11:47	

*SMK*  
10/4/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-1.0-1.5

Sampled: 10/2/2023 09:50

Sample ID: 23J0292-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-2.0-2.5

Sampled: 10/2/2023 09:53

Sample ID: 23J0292-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Acrylonitrile	ND	0.0077	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Benzene	ND	0.0026	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Bromobenzene	ND	0.0026	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Bromochloromethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Bromodichloromethane	ND	0.0026	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Bromoform	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 12:13	MFF
2-Butanone (MEK)	ND	0.051	0.0080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
n-Butylbenzene	ND	0.0026	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
sec-Butylbenzene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
tert-Butylbenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Carbon Tetrachloride	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Chlorobenzene	ND	0.0026	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Chlorodibromomethane	ND	0.0013	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Chloroethane	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Chloroform	ND	0.0051	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
2-Chlorotoluene	ND	0.0026	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
4-Chlorotoluene	ND	0.0026	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Dibromomethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,4-Dichlorobenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1-Dichloroethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2-Dichloroethane	ND	0.0026	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1-Dichloroethylene	ND	0.0051	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2-Dichloropropane	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,3-Dichloropropane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
2,2-Dichloropropane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1-Dichloropropene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Diethyl Ether	ND	0.026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-2.0-2.5

Sampled: 10/2/2023 09:53

Sample ID: 23J0292-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Ethylbenzene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Hexachlorobutadiene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
2-Hexanone (MBK)	ND	0.026	0.0064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Methyl Acetate	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Methyl Cyclohexane	ND	0.0026	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Methylene Chloride	ND	0.026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Naphthalene	ND	0.013	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
n-Propylbenzene	ND	0.0026	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Styrene	ND	0.0026	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Tetrachloroethylene	0.019	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Tetrahydrofuran	ND	0.013	0.0046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Toluene	ND	0.0026	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2,3-Trichlorobenzene	ND	0.0051	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Trichloroethylene	0.012	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2,3-Trichloropropane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
Vinyl Chloride	ND	0.013	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF
o-Xylene	ND	0.0026	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:13	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	101	70-130	10/4/23 12:13
Toluene-d8	96.0	70-130	10/4/23 12:13
4-Bromofluorobenzene	102	70-130	10/4/23 12:13

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-2.0-2.5

Sampled: 10/2/2023 09:53

Sample ID: 23J0292-14

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-3.5-4.0

Sampled: 10/2/2023 09:55

Sample ID: 23J0292-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Acrylonitrile	ND	0.0077	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Benzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Bromobenzene	ND	0.0026	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Bromochloromethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Bromodichloromethane	ND	0.0026	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Bromoform	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 12:38	MFF
2-Butanone (MEK)	ND	0.051	0.0080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
n-Butylbenzene	ND	0.0026	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
sec-Butylbenzene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
tert-Butylbenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Carbon Tetrachloride	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Chlorobenzene	ND	0.0026	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Chlorodibromomethane	ND	0.0013	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Chloroethane	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Chloroform	ND	0.0051	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
2-Chlorotoluene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
4-Chlorotoluene	ND	0.0026	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Dibromomethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,4-Dichlorobenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1-Dichloroethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2-Dichloroethane	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1-Dichloroethylene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2-Dichloropropane	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,3-Dichloropropane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
2,2-Dichloropropane	ND	0.0026	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1-Dichloropropene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Diethyl Ether	ND	0.026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-3.5-4.0

Sampled: 10/2/2023 09:55

Sample ID: 23J0292-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Ethylbenzene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Hexachlorobutadiene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
2-Hexanone (MBK)	ND	0.026	0.0064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Methyl Acetate	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Methyl Cyclohexane	ND	0.0026	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Methylene Chloride	ND	0.026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Naphthalene	ND	0.013	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
n-Propylbenzene	ND	0.0026	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Styrene	ND	0.0026	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Tetrachloroethylene	0.014	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Tetrahydrofuran	ND	0.013	0.0046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Toluene	ND	0.0026	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2,3-Trichlorobenzene	ND	0.0051	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Trichloroethylene	0.013	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2,3-Trichloropropane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Vinyl Chloride	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
o-Xylene	ND	0.0026	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:38	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.8	70-130						10/4/23 12:38	
Toluene-d8		94.4	70-130						10/4/23 12:38	
4-Bromofluorobenzene		99.6	70-130						10/4/23 12:38	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Sampled: 10/2/2023 09:55

Field Sample #: SB-56-3.5-4.0

Sample ID: 23J0292-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-5.0-5.5

Sampled: 10/2/2023 10:00

Sample ID: 23J0292-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Acrylonitrile	ND	0.0078	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Benzene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Bromobenzene	ND	0.0026	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Bromochloromethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Bromodichloromethane	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Bromoform	ND	0.0026	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Bromomethane	ND	0.013	0.0023	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 13:04	MFF
2-Butanone (MEK)	ND	0.052	0.0082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
n-Butylbenzene	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
sec-Butylbenzene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
tert-Butylbenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Carbon Tetrachloride	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Chlorobenzene	ND	0.0026	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Chlorodibromomethane	ND	0.0013	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Chloroethane	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Chloroform	ND	0.0052	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
2-Chlorotoluene	ND	0.0026	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
4-Chlorotoluene	ND	0.0026	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Dibromomethane	ND	0.0026	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,4-Dichlorobenzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0052	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1-Dichloroethane	ND	0.0026	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2-Dichloroethane	ND	0.0026	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1-Dichloroethylene	ND	0.0052	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
cis-1,2-Dichloroethylene	0.0079	0.0026	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2-Dichloropropane	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,3-Dichloropropane	ND	0.0013	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
2,2-Dichloropropane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1-Dichloropropene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Diethyl Ether	ND	0.026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-5.0-5.5

Sampled: 10/2/2023 10:00

Sample ID: 23J0292-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,4-Dioxane	ND	0.13	0.059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Ethylbenzene	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Hexachlorobutadiene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
2-Hexanone (MBK)	ND	0.026	0.0066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Methyl Acetate	ND	0.0026	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0052	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Methyl Cyclohexane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Methylene Chloride	ND	0.026	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Naphthalene	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
n-Propylbenzene	ND	0.0026	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Styrene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Tetrachloroethylene	0.0023	0.0026	0.0011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Tetrahydrofuran	ND	0.013	0.0047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Toluene	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2,3-Trichlorobenzene	ND	0.0052	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1,1-Trichloroethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Trichloroethylene	0.0075	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2,3-Trichloropropane	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Vinyl Chloride	ND	0.013	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
m+p Xylene	ND	0.0052	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
o-Xylene	ND	0.0026	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:04	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.8	70-130						10/4/23 13:04	
Toluene-d8		95.8	70-130						10/4/23 13:04	
4-Bromofluorobenzene		99.9	70-130						10/4/23 13:04	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-5.0-5.5

Sampled: 10/2/2023 10:00

Sample ID: 23J0292-16

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-6.0-6.5

Sampled: 10/2/2023 10:03

Sample ID: 23J0292-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Bromobenzene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Bromochloromethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 13:29	MFF
2-Butanone (MEK)	ND	0.045	0.0070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
tert-Butylbenzene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Carbon Disulfide	ND	0.011	0.0090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Chlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Chlorodibromomethane	ND	0.0011	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Chloroethane	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Chloroform	ND	0.0045	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Dibromomethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2-Dichloroethane	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1-Dichloroethylene	ND	0.0045	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
cis-1,2-Dichloroethylene	0.012	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2-Dichloropropane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
2,2-Dichloropropane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Diethyl Ether	ND	0.023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-6.0-6.5

Sampled: 10/2/2023 10:03

Sample ID: 23J0292-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Ethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Hexachlorobutadiene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Methyl Cyclohexane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Naphthalene	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
n-Propylbenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Tetrachloroethylene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Toluene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2,3-Trichlorobenzene	ND	0.0045	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Trichloroethylene	0.0020	0.0023	0.00091	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
Vinyl Chloride	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF
o-Xylene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:29	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	97.5	70-130	10/4/23 13:29
Toluene-d8	96.4	70-130	10/4/23 13:29
4-Bromofluorobenzene	100	70-130	10/4/23 13:29

*SMK*  
10/17/2023

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-6.0-6.5

Sampled: 10/2/2023 10:03

Sample ID: 23J0292-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-7.5-8.0

Sampled: 10/2/2023 10:05

Sample ID: 23J0292-18

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Benzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Bromochloromethane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 13:55	MFF
2-Butanone (MEK)	ND	0.048	0.0076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Carbon Tetrachloride	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Chloroform	ND	0.0048	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1-Dichloroethylene	ND	0.0048	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2-Dichloropropane	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
2,2-Dichloropropane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Diethyl Ether	ND	0.024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-56-7.5-8.0

Sampled: 10/2/2023 10:05

Sample ID: 23J0292-18

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Naphthalene	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Trichloroethylene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
Vinyl Chloride	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:55	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	93.3	70-130	10/4/23 13:55
Toluene-d8	95.4	70-130	10/4/23 13:55
4-Bromofluorobenzene	97.8	70-130	10/4/23 13:55

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Sampled: 10/2/2023 10:05

Field Sample #: SB-56-7.5-8.0

Sample ID: 23J0292-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-57-1.0-1.5

Sampled: 10/2/2023 10:10

Sample ID: 23J0292-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.040	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Acrylonitrile	ND	0.0075	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Benzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Bromobenzene	ND	0.0025	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Bromochloromethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Bromodichloromethane	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Bromoform	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Bromomethane	ND	0.012	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 14:20	MFF
2-Butanone (MEK)	ND	0.050	0.0078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
n-Butylbenzene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Carbon Disulfide	ND	0.012	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Carbon Tetrachloride	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Chlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Chlorodibromomethane	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Chloroform	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
2-Chlorotoluene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
4-Chlorotoluene	ND	0.0025	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Dibromomethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1-Dichloroethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2-Dichloroethane	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2-Dichloropropane	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
2,2-Dichloropropane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-57-1.0-1.5

Sampled: 10/2/2023 10:10

Sample ID: 23J0292-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,4-Dioxane	ND	0.12	0.057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
2-Hexanone (MBK)	ND	0.025	0.0063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Methyl Cyclohexane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Naphthalene	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
n-Propylbenzene	ND	0.0025	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Tetrachloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Tetrahydrofuran	ND	0.012	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Toluene	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2,3-Trichlorobenzene	ND	0.0050	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Trichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Vinyl Chloride	ND	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
m+p Xylene	ND	0.0050	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
o-Xylene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:20	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		96.4	70-130						10/4/23 14:20	
Toluene-d8		94.9	70-130						10/4/23 14:20	
4-Bromofluorobenzene		98.4	70-130						10/4/23 14:20	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-57-1.0-1.5

Sampled: 10/2/2023 10:10

Sample ID: 23J0292-19

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 10:13

Sample ID: 23J0292-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.013	0.13	0.011	mg/Kg dry	1	V-35, J	SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Acrylonitrile	ND	0.0076	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Benzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Bromobenzene	ND	0.0025	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Bromochloromethane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Bromodichloromethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Bromoform	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/4/23	10/4/23 14:46	MFF
2-Butanone (MEK)	ND	0.050	0.0079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
n-Butylbenzene	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Carbon Tetrachloride	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Chlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Chlorodibromomethane	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Chloroform	ND	0.0050	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Chloromethane	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
2-Chlorotoluene	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
4-Chlorotoluene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Dibromomethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1-Dichloroethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2-Dichloropropane	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,3-Dichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
2,2-Dichloropropane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 10:13

Sample ID: 23J0292-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,4-Dioxane	ND	0.13	0.057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Ethylbenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
2-Hexanone (MBK)	ND	0.025	0.0063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Methyl Cyclohexane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Naphthalene	ND	0.013	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
n-Propylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Tetrachloroethylene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Toluene	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2,3-Trichlorobenzene	ND	0.0050	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Trichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Vinyl Chloride	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
m+p Xylene	ND	0.0050	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
o-Xylene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:46	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.0	70-130						10/4/23 14:46	
Toluene-d8		95.8	70-130						10/4/23 14:46	
4-Bromofluorobenzene		97.2	70-130						10/4/23 14:46	

*SMK*  
*8/17/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0292

Date Received: 10/3/2023

Field Sample #: SB-64-2.0-2.5

Sampled: 10/2/2023 10:13

Sample ID: 23J0292-20

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

**Project:** NYSDEC Highland Plaza Site  
Soil Sampling  
**Laboratory:** Con-Test  
**Work Order No:** 23J0301  
**Fraction:** Organic  
**Matrix:** Soil  
**Report Date:** 8/18/2024

This data usability summary report is based upon a review of analytical data generated for soil samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Validating Volatile Organic Compounds", HW-24, revision 4, October 2014. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

- 
- X • Data Completeness
  - X • Chain of Custody Documentation/Sample Receipt
  - X • Holding Times
  - X • Instrument Performance
  - X • Initial and Continuing Calibrations
  - X • Laboratory and Field Blank Analysis Results
  - X • Surrogate Compound Recoveries
    - Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
    - Field Duplicate Analysis Results
  - X • Laboratory Control Sample Results
  - X • Internal Standard Performance
  - X • Qualitative Identification
  - X • Quantitation/Reporting Limits
- 

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers  
President

August 18, 2024

**1.0 DATA COMPLETENESS**

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no following missing items or issues.

**2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT**

The chain of custody was complete.

The samples were received in acceptable condition.

No qualifiers were applied.

**3.0 HOLDING TIMES**

All criteria were met. No qualifiers were applied.

**4.0 INSTRUMENT PERFORMANCE**

All criteria were met. No qualifiers were applied.

**5.0 INITIAL AND CONTINUING CALIBRATIONS**

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs  $\leq$  20 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds not previously qualified from the associated initial calibration in the samples have been marked "UJ" to indicate that they are quantitative estimates.

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Calibration Standard	Analyte	%Difference	Associated Samples
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S094352-CCV1 (File ID G22V27703.D)	Bromomethane	77.6	SB-57-3.5-4.0, SB-57-5.0-5.5,	
	tert-Butyl alcohol	-23.1	SB-57-6.0-6.5, SB-57-7.5-8.0,	
	Chloromethane	24.1	SB-58-1.0-1.5, SB-58-2.0-2.5,	
	Chloroethane	54.7	SB-58-3.5-4.0, SB-58-5.0-5.5,	
	1,2-Dibromo-3- chloropropane	-22.5	SB-58-6.0-6.5, SB-58-7.5-8.0, SB-59-1.0-1.5, SB-59-2.0-2.5,	
	Trichlorofluoromethane	38.5	SB-59-3.5-4.0, SB-59-5.0-5.5,	
	Vinyl Chloride		SB-59-6.0-6.5, SB-59-7.5-8.0,	
		27.2	SB-60-1.0-1.5	
	S094406-CCV1 (File ID G22V27803.D)	Acetone	32.0	SB-60-2.0-2.5, SB-60-3.5-4.0,
		tert-Amyl Methyl Ether	-20.5	SB-60-5.0-5.5
	Bromomethane	57.6		
	Chloromethane	22.8		
	Chloroethane	43.7		
	Dichlorodifluoromethane	-21.8		
	Trichlorofluoromethane	29.2		

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## 6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated volatile laboratory method blank.

Trip, field, or equipment blanks were not submitted with the samples. This should be noted when assessing the data.

## 7.0 *SURROGATE COMPOUNDS*

All criteria were met. No qualifiers were applied.

## 8.0 *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

9.0

**FIELD DUPLICATE RESULTS**

Field duplicate samples were not submitted for this work order.

10.0

**LABORATORY CONTROL SAMPLE RESULTS**

The following table summarizes the volatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS B353947-BS1 %REC	LCSD B353947- BSD1 %REC	QC Limits
Bromomethane	196	186	70-130
Chloroethane	168	174	70-130
Chloromethane	136	132	70-130
Trichlorofluoromethane	135	147	70-130
Vinyl Chloride		132	70-130

The unacceptable recoveries indicate inefficiencies with the sample analytical process. Positive results for the compounds are considered biased high quantitative estimates and may be lower than reported. Samples SB-57-3.5-4.0, SB-57-5.0-5.5, SB-57-6.0-6.5, SB-57-7.5-8.0, SB-58-1.0-1.5, SB-58-2.0-2.5, SB-58-3.5-4.0, SB-58-5.0-5.5, SB-58-6.0-6.5, SB-58-7.5-8.0, SB-59-1.0-1.5, SB-59-2.0-2.5, SB-59-3.5-4.0, SB-59-5.0-5.5, SB-59-6.0-6.5, SB-59-7.5-8.0, and SB-60-1.0-1.5 are associated with the unacceptable LCS/LCSD. Results for the compounds were qualified previously due to continuing calibration.

The following table summarizes the LCS/ LCSD results that did not meet the indicated acceptance limits:

Compound	LCS B354029-BS1 %REC	LCSD B354029- BS1 %REC	QC Limits
Bromomethane	180	187	70-130
Chloroethane	162	171	70-130
Chloromethane		132	70-130
Trichlorofluoromethane	145	148	70-130

The unacceptable recoveries indicate inefficiencies with the sample analytical process. Positive results for the compounds are considered biased high quantitative estimates and may be lower than reported. Samples SB-60-2.0-2.5, SB-60-3.5-4.0, and SB-60-5.0-5.5 are associated with the unacceptable LCS/LCSD. Results for the compounds were qualified previously due to continuing calibration.

**11.0** *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

**13.0** *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

**14.0** *QUANTITATION/REPORTING LIMITS*

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

Analysis	Reference
Volatile Organic Compounds	Method 8260D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, V, and VI, June 2018

Table 1 Data Usability Summary Report  
 NYSDEC Highland Plaza Site  
 Soil Sampling  
 Con-Test Work Order No. 23J0301

Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed
				8260D
SB-57-3.5-4.0	23J0301-01	10/2/2023	Soil	X
SB-57-5.0-5.5	23J0301-02	10/2/2023	Soil	X
SB-57-6.0-6.5	23J0301-03	10/2/2023	Soil	X
SB-57-7.5-8.0	23J0301-04	10/2/2023	Soil	X
SB-58-1.0-1.5	23J0301-05	10/2/2023	Soil	X
SB-58-2.0-2.5	23J0301-06	10/2/2023	Soil	X
SB-58-3.5-4.0	23J0301-07	10/2/2023	Soil	X
SB-58-5.0-5.5	23J0301-08	10/2/2023	Soil	X
SB-58-6.0-6.5	23J0301-09	10/2/2023	Soil	X
SB-58-7.5-8.0	23J0301-10	10/2/2023	Soil	X
SB-59-1.0-1.5	23J0301-11	10/2/2023	Soil	X
SB-59-2.0-2.5	23J0301-12	10/2/2023	Soil	X
SB-59-3.5-4.0	23J0301-13	10/2/2023	Soil	X
SB-59-5.0-5.5	23J0301-14	10/2/2023	Soil	X
SB-59-6.0-6.5	23J0301-15	10/2/2023	Soil	X
SB-59-7.5-8.0	23J0301-16	10/2/2023	Soil	X
SB-60-1.0-1.5	23J0301-17	10/2/2023	Soil	X
SB-60-2.0-2.5	23J0301-18	10/2/2023	Soil	X
SB-60-3.5-4.0	23J0301-19	10/2/2023	Soil	X
SB-60-5.0-5.5	23J0301-20	10/2/2023	Soil	X

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-3.5-4.0

Sampled: 10/2/2023 10:15

Sample ID: 23J0301-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.010	0.11	0.0099	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Acrylonitrile	ND	0.0066	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Benzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Bromochloromethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Bromodichloromethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Bromoform	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
2-Butanone (MEK)	ND	0.044	0.0068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.043	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 6:40	MFF
n-Butylbenzene	ND	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
tert-Butylbenzene	ND	0.0022	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Carbon Disulfide	ND	0.011	0.0088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Carbon Tetrachloride	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Chlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Chlorodibromomethane	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Chloroform	ND	0.0044	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
2-Chlorotoluene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
4-Chlorotoluene	ND	0.0022	0.00049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00087	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Dibromomethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1-Dichloroethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2-Dichloroethane	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1-Dichloroethylene	ND	0.0044	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2-Dichloropropane	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,3-Dichloropropane	ND	0.0011	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
2,2-Dichloropropane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1-Dichloropropene	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Diethyl Ether	ND	0.022	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-3.5-4.0

Sampled: 10/2/2023 10:15

Sample ID: 23J0301-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,4-Dioxane	ND	0.11	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Ethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Hexachlorobutadiene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
2-Hexanone (MBK)	ND	0.022	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Methyl Cyclohexane	ND	0.0044	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Naphthalene	ND	0.0044	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Styrene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Tetrachloroethylene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Tetrahydrofuran	ND	0.011	0.0039	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Toluene	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Trichloroethylene	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Trichlorofluoromethane (Freon 11)	ND <i>WJ</i>	0.011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Vinyl Chloride	ND <i>WJ</i>	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
o-Xylene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 6:40	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		115	70-130					10/4/23	6:40	
Toluene-d8		98.3	70-130					10/4/23	6:40	
4-Bromofluorobenzene		97.7	70-130					10/4/23	6:40	

*WJ*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Sampled: 10/2/2023 10:15

Field Sample #: SB-57-3.5-4.0

Sample ID: 23J0301-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-5.0-5.5

Sampled: 10/2/2023 10:21

Sample ID: 23J0301-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Bromomethane	ND	0.0012	0.0021	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:06	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-5.0-5.5

Sampled: 10/2/2023 10:21

Sample ID: 23J0301-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:06	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		124	70-130					10/4/23	7:06	
Toluene-d8		93.6	70-130					10/4/23	7:06	
4-Bromofluorobenzene		98.3	70-130					10/4/23	7:06	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-5.0-5.5

Sampled: 10/2/2023 10:21

Sample ID: 23J0301-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.6		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-6.0-6.5

Sampled: 10/2/2023 10:23

Sample ID: 23J0301-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:31	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
cis-1,2-Dichloroethylene	0.00076	0.0024	0.00076	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 7:31	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-6.0-6.5

Sampled: 10/2/2023 10:23

Sample ID: 23J0301-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Methyl Cyclohexane	ND	0.0048	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Naphthalene	ND	0.0048	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:31	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		117	70-130					10/4/23	7:31	
Toluene-d8		95.6	70-130					10/4/23	7:31	
4-Bromofluorobenzene		94.2	70-130					10/4/23	7:31	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-6.0-6.5

Sampled: 10/2/2023 10:23

Sample ID: 23J0301-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-7.5-8.0

Sampled: 10/2/2023 10:25

Sample ID: 23J0301-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Bromobenzene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Bromochloromethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Bromomethane	ND	WT 0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
2-Butanone (MEK)	ND	0.045	0.0070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.11	0.045	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:57	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
tert-Butylbenzene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Carbon Disulfide	ND	0.011	0.0090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Chlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Chlorodibromomethane	ND	0.0011	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Chloroethane	ND	WT 0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Chloroform	ND	0.0045	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Chloromethane	ND	WT 0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.023	0.00089	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Dibromomethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2-Dichloroethane	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1-Dichloroethylene	ND	0.0045	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2-Dichloropropane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
2,2-Dichloropropane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Diethyl Ether	ND	0.023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-7.5-8.0

Sampled: 10/2/2023 10:25

Sample ID: 23J0301-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Ethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Hexachlorobutadiene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Methyl Cyclohexane	ND	0.0045	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Naphthalene	ND	0.0045	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
n-Propylbenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Tetrachloroethylene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Toluene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Trichloroethylene	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Vinyl Chloride	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
o-Xylene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 7:57	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		125	70-130					10/4/23	7:57	
Toluene-d8		95.5	70-130					10/4/23	7:57	
4-Bromofluorobenzene		98.2	70-130					10/4/23	7:57	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-57-7.5-8.0

Sampled: 10/2/2023 10:25

Sample ID: 23J0301-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

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Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-1.0-1.5

Sampled: 10/2/2023 10:35

Sample ID: 23J0301-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.063	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Bromodichloromethane	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Bromomethane	ND <i>WJ</i>	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
2-Butanone (MEK)	0.0082	0.047	0.0074	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 8:22	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 8:22	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Carbon Disulfide	ND	0.012	0.0094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Chloroethane	ND <i>WJ</i>	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Chloromethane	ND <i>WJ</i>	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
2-Chlorotoluene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND <i>WJ</i>	0.0024	0.00093	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Dibromomethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-1.0-1.5

Sampled: 10/2/2023 10:35

Sample ID: 23J0301-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Ethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Tetrachloroethylene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:22	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					10/4/23	8:22	
Toluene-d8		95.2	70-130					10/4/23	8:22	
4-Bromofluorobenzene		96.5	70-130					10/4/23	8:22	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-1.0-1.5

Sampled: 10/2/2023 10:35

Sample ID: 23J0301-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-2.0-2.5

Sampled: 10/2/2023 10:37

Sample ID: 23J0301-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.032	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Acrylonitrile	ND	0.0075	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Benzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Bromobenzene	ND	0.0025	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Bromochloromethane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Bromodichloromethane	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Bromoform	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Bromomethane	ND <i>WJ</i>	0.012	0.0022	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
2-Butanone (MEK)	ND	0.050	0.0078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.12	0.049	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 8:48	MFF
n-Butylbenzene	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Carbon Disulfide	ND	0.012	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Carbon Tetrachloride	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Chlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Chlorodibromomethane	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Chloroethane	ND <i>WJ</i>	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Chloroform	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Chloromethane	ND <i>WJ</i>	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
2-Chlorotoluene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
4-Chlorotoluene	ND	0.0025	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND <i>WJ</i>	0.0025	0.00099	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Dibromomethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1-Dichloroethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2-Dichloroethane	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
cis-1,2-Dichloroethylene	0.0040	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2-Dichloropropane	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,3-Dichloropropane	ND	0.0012	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
2,2-Dichloropropane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-2.0-2.5

Sampled: 10/2/2023 10:37

Sample ID: 23J0301-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,4-Dioxane	ND	0.12	0.057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Ethylbenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
2-Hexanone (MBK)	ND	0.025	0.0063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Methyl Cyclohexane	ND	0.0050	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Methylene Chloride	0.0013	0.025	0.0012	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 8:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Naphthalene	ND	0.0050	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
n-Propylbenzene	ND	0.0025	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Tetrachloroethylene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Tetrahydrofuran	ND	0.012	0.0045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Toluene	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Trichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Trichlorofluoromethane (Freon 11)	ND <i>WT</i>	0.012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Vinyl Chloride	ND <i>WT</i>	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
m+p Xylene	ND	0.0050	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
o-Xylene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 8:48	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		118	70-130					10/4/23	8:48	
Toluene-d8		95.9	70-130					10/4/23	8:48	
4-Bromofluorobenzene		95.9	70-130					10/4/23	8:48	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-2.0-2.5

Sampled: 10/2/2023 10:37

Sample ID: 23J0301-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-3.5-4.0

Sampled: 10/2/2023 10:40

Sample ID: 23J0301-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Bromobenzene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Bromochloromethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Bromomethane	ND	0.011	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
2-Butanone (MEK)	ND	0.045	0.0071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 9:13	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
tert-Butylbenzene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Carbon Disulfide	ND	0.011	0.0091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Chlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Chlorodibromomethane	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Chloroethane	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Chloroform	ND	0.0045	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00090	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Dibromomethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2-Dichloroethane	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1-Dichloroethylene	ND	0.0045	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
cis-1,2-Dichloroethylene	0.0046	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2-Dichloropropane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
2,2-Dichloropropane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Diethyl Ether	ND	0.023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-3.5-4.0

Sampled: 10/2/2023 10:40

Sample ID: 23J0301-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,4-Dioxane	ND	0.11	0.052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Ethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Hexachlorobutadiene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Methyl Cyclohexane	ND	0.0045	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Naphthalene	ND	0.0045	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
n-Propylbenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Tetrachloroethylene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Toluene	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Trichloroethylene	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Vinyl Chloride	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
o-Xylene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:13	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					10/4/23	9:13	
Toluene-d8		94.2	70-130					10/4/23	9:13	
4-Bromofluorobenzene		95.6	70-130					10/4/23	9:13	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-3.5-4.0

Sampled: 10/2/2023 10:40

Sample ID: 23J0301-07

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-5.0-5.5

Sampled: 10/2/2023 10:43

Sample ID: 23J0301-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Bromomethane	ND	WT 0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 9:39	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Chloroethane	ND	WT 0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Chloromethane	ND	WT 0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.024	0.00094	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
cis-1,2-Dichloroethylene	0.0058	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-5.0-5.5

Sampled: 10/2/2023 10:43

Sample ID: 23J0301-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Methylene Chloride	0.0022	0.024	0.0011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 9:39	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Trichloroethylene	0.0021	0.0024	0.00095	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 9:39	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					10/4/23	9:39	
Toluene-d8		94.2	70-130					10/4/23	9:39	
4-Bromofluorobenzene		93.5	70-130					10/4/23	9:39	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-5.0-5.5

Sampled: 10/2/2023 10:43

Sample ID: 23J0301-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-6.0-6.5

Sampled: 10/2/2023 10:45

Sample ID: 23J0301-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Bromomethane	ND	WT 0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:04	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Carbon Disulfide	ND	0.012	0.0094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Chloroethane	ND	WT 0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Chloromethane	ND	WT 0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
2-Chlorotoluene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.0024	0.00093	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Dibromomethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
cis-1,2-Dichloroethylene	0.011	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-6.0-6.5

Sampled: 10/2/2023 10:45

Sample ID: 23J0301-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Ethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Tetrachloroethylene	0.015	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Trichloroethylene	0.0080	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Trichlorofluoromethane (Freon 11)	ND <i>UT</i>	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Vinyl Chloride	ND <i>UT</i>	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:04	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		117	70-130					10/4/23	10:04	
Toluene-d8		94.2	70-130					10/4/23	10:04	
4-Bromofluorobenzene		98.3	70-130					10/4/23	10:04	

*Handwritten signature*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-6.0-6.5

Sampled: 10/2/2023 10:45

Sample ID: 23J0301-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-7.5-8.0

Sampled: 10/2/2023 10:48

Sample ID: 23J0301-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Acrylonitrile	ND	0.0069	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Benzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Bromochloromethane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Bromoform	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Bromomethane	ND	WT 0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
2-Butanone (MEK)	ND	0.046	0.0072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.12	0.046	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:29	MFF
n-Butylbenzene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
tert-Butylbenzene	ND	0.0023	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Carbon Disulfide	ND	0.012	0.0093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Carbon Tetrachloride	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Chlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Chlorodibromomethane	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Chloroethane	ND	WT 0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Chloroform	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Chloromethane	ND	WT 0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
2-Chlorotoluene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
4-Chlorotoluene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.023	0.00091	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Dibromomethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1-Dichloroethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1-Dichloroethylene	ND	0.0046	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
cis-1,2-Dichloroethylene	0.011	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2-Dichloropropane	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,3-Dichloropropane	ND	0.0012	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
2,2-Dichloropropane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Diethyl Ether	ND	0.023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-7.5-8.0

Sampled: 10/2/2023 10:48

Sample ID: 23J0301-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Ethylbenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Hexachlorobutadiene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Methyl Cyclohexane	ND	0.0046	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Naphthalene	ND	0.0046	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
n-Propylbenzene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Tetrachloroethylene	0.020	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Tetrahydrofuran	ND	0.012	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Toluene	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Trichloroethylene	0.0092	0.0023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Trichlorofluoromethane (Freon 11)	ND <i>WJ</i>	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Vinyl Chloride	ND <i>WJ</i>	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:29	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		120	70-130					10/4/23	10:29	
Toluene-d8		93.3	70-130					10/4/23	10:29	
4-Bromofluorobenzene		99.0	70-130					10/4/23	10:29	

*WJ*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-58-7.5-8.0

Sampled: 10/2/2023 10:48

Sample ID: 23J0301-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-1.0-1.5

Sampled: 10/2/2023 10:55

Sample ID: 23J0301-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.098	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Acrylonitrile	ND	0.0074	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Benzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Bromobenzene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Bromochloromethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Bromodichloromethane	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Bromoform	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Bromomethane	ND	WT 0.012	0.0021	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
2-Butanone (MEK)	0.014	0.050	0.0078	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:55	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.12	0.049	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:55	MFF
n-Butylbenzene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Carbon Disulfide	ND	0.012	0.0099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Carbon Tetrachloride	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Chlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Chlorodibromomethane	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Chloroethane	ND	WT 0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Chloroform	ND	WT 0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Chloromethane	ND	WT 0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
2-Chlorotoluene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
4-Chlorotoluene	ND	0.0025	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.0025	0.00098	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Dibromomethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1-Dichloroethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2-Dichloroethane	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
cis-1,2-Dichloroethylene	0.0018	0.0025	0.00079	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 10:55	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2-Dichloropropane	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,3-Dichloropropane	ND	0.0012	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
2,2-Dichloropropane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-1.0-1.5

Sampled: 10/2/2023 10:55

Sample ID: 23J0301-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,4-Dioxane	ND	0.12	0.057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Ethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
2-Hexanone (MBK)	ND	0.025	0.0062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Methyl Cyclohexane	ND	0.0050	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Naphthalene	ND	0.0050	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
n-Propylbenzene	ND	0.0025	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Styrene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Tetrachloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Tetrahydrofuran	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Toluene	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Trichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Vinyl Chloride	ND	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
m+p Xylene	ND	0.0050	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
o-Xylene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 10:55	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		121	70-130					10/4/23	10:55	
Toluene-d8		95.9	70-130					10/4/23	10:55	
4-Bromofluorobenzene		96.7	70-130					10/4/23	10:55	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-1.0-1.5

Sampled: 10/2/2023 10:55

Sample ID: 23J0301-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-2.0-2.5

Sampled: 10/2/2023 10:57

Sample ID: 23J0301-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.020	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 11:20	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
2-Chlorotoluene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00093	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
cis-1,2-Dichloroethylene	0.014	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-2.0-2.5

Sampled: 10/2/2023 10:57

Sample ID: 23J0301-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Ethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Tetrachloroethylene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 11:20	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		120	70-130						10/4/23 11:20	
Toluene-d8		94.6	70-130						10/4/23 11:20	
4-Bromofluorobenzene		96.4	70-130						10/4/23 11:20	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-2.0-2.5

Sampled: 10/2/2023 10:57

Sample ID: 23J0301-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.0		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-3.5-4.0

Sampled: 10/2/2023 11:00

Sample ID: 23J0301-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.014	0.11	0.010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Acrylonitrile	ND	0.0067	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Benzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Bromobenzene	ND	0.0022	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Bromochloromethane	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Bromodichloromethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Bromoform	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
2-Butanone (MEK)	ND	0.045	0.0070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.044	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 12:05	MFF
n-Butylbenzene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
sec-Butylbenzene	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
tert-Butylbenzene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Carbon Disulfide	ND	0.011	0.0089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Carbon Tetrachloride	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Chlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Chlorodibromomethane	ND	0.0011	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Chloroform	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
2-Chlorotoluene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
4-Chlorotoluene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00088	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Dibromomethane	ND	0.0022	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1-Dichloroethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1-Dichloroethylene	ND	0.0045	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
cis-1,2-Dichloroethylene	0.027	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2-Dichloropropane	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,3-Dichloropropane	ND	0.0011	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
2,2-Dichloropropane	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1-Dichloropropene	ND	0.0022	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Diethyl Ether	ND	0.022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-3.5-4.0

Sampled: 10/2/2023 11:00

Sample ID: 23J0301-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Ethylbenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Hexachlorobutadiene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
2-Hexanone (MBK)	ND	0.022	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Methyl Cyclohexane	ND	0.0045	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Naphthalene	ND	0.0045	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
n-Propylbenzene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Styrene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Tetrachloroethylene	ND	0.0022	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Toluene	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Trichloroethylene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Vinyl Chloride	ND	0.011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
o-Xylene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:05	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		119	70-130					10/4/23	12:05	
Toluene-d8		96.9	70-130					10/4/23	12:05	
4-Bromofluorobenzene		94.4	70-130					10/4/23	12:05	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-3.5-4.0

Sampled: 10/2/2023 11:00

Sample ID: 23J0301-13

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-5.0-5.5

Sampled: 10/2/2023 11:02

Sample ID: 23J0301-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Bromomethane	ND	WT 0.012	0.0021	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
2-Butanone (MEK)	ND	0.048	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.12	0.047	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 12:30	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Chloroethane	ND	WT 0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Chloroform	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Chloromethane	ND	WT 0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.0024	0.00094	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
cis-1,2-Dichloroethylene	0.061	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-5.0-5.5

Sampled: 10/2/2023 11:02

Sample ID: 23J0301-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Methyl Cyclohexane	ND	0.0048	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Naphthalene	ND	0.0048	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Tetrachloroethylene	0.0051	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Trichloroethylene	0.0052	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 12:30	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130					10/4/23	12:30	
Toluene-d8		94.4	70-130					10/4/23	12:30	
4-Bromofluorobenzene		96.1	70-130					10/4/23	12:30	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-5.0-5.5

Sampled: 10/2/2023 11:02

Sample ID: 23J0301-14

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-6.0-6.5

Sampled: 10/2/2023 11:05

Sample ID: 23J0301-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.012	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Benzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Bromobenzene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Bromodichloromethane	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.046	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 13:21	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Carbon Disulfide	ND	0.012	0.0094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
2-Chlorotoluene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00093	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Dibromomethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
cis-1,2-Dichloroethylene	0.027	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-6.0-6.5

Sampled: 10/2/2023 11:05

Sample ID: 23J0301-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Ethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Methyl Cyclohexane	ND	0.0047	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Tetrachloroethylene	0.026	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Trichloroethylene	0.0077	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:21	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		111	70-130						10/4/23 13:21	
Toluene-d8		93.6	70-130						10/4/23 13:21	
4-Bromofluorobenzene		98.6	70-130						10/4/23 13:21	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-6.0-6.5

Sampled: 10/2/2023 11:05

Sample ID: 23J0301-15

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-7.5-8.0

Sampled: 10/2/2023 11:08

Sample ID: 23J0301-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Acrylonitrile	ND	0.0065	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Bromobenzene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Bromochloromethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Bromoform	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.043	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 13:46	MFF
n-Butylbenzene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
tert-Butylbenzene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Carbon Disulfide	ND	0.011	0.0086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Carbon Tetrachloride	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Chlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
2-Chlorotoluene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
4-Chlorotoluene	ND	0.0022	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00085	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Dibromomethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2-Dichloroethane	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
cis-1,2-Dichloroethylene	0.054	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2-Dichloropropane	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
2,2-Dichloropropane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1-Dichloropropene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Diethyl Ether	ND	0.022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-7.5-8.0

Sampled: 10/2/2023 11:08

Sample ID: 23J0301-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Ethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Hexachlorobutadiene	ND	0.0022	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
2-Hexanone (MBK)	ND	0.022	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Methyl Acetate	ND	0.0022	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Methyl Cyclohexane	ND	0.0043	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Naphthalene	ND	0.0043	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
n-Propylbenzene	ND	0.0022	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Styrene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Tetrachloroethylene	0.052	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Toluene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Trichloroethylene	0.018	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Vinyl Chloride	ND	0.011	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
o-Xylene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 13:46	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		123	70-130					10/4/23	13:46	
Toluene-d8		95.3	70-130					10/4/23	13:46	
4-Bromofluorobenzene		98.4	70-130					10/4/23	13:46	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-59-7.5-8.0

Sampled: 10/2/2023 11:08

Sample ID: 23J0301-16

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-1.0-1.5

Sampled: 10/2/2023 11:18

Sample ID: 23J0301-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Acrylonitrile	ND	0.0065	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Bromobenzene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Bromochloromethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Bromodichloromethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Bromoform	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Bromomethane	ND	WT 0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
2-Butanone (MEK)	ND	0.044	0.0068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
tert-Butyl Alcohol (TBA)	ND	WT 0.11	0.043	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 14:12	MFF
n-Butylbenzene	ND	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
tert-Butylbenzene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Carbon Disulfide	ND	0.011	0.0087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Carbon Tetrachloride	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Chlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Chlorodibromomethane	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Chloroethane	ND	WT 0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Chloroform	ND	0.0044	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Chloromethane	ND	WT 0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
2-Chlorotoluene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
4-Chlorotoluene	ND	0.0022	0.00049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	WT 0.022	0.00086	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Dibromomethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1-Dichloroethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2-Dichloroethane	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1-Dichloroethylene	ND	0.0044	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
cis-1,2-Dichloroethylene	0.0036	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2-Dichloropropane	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,3-Dichloropropane	ND	0.0011	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
2,2-Dichloropropane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1-Dichloropropene	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Diethyl Ether	ND	0.022	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-1.0-1.5

Sampled: 10/2/2023 11:18

Sample ID: 23J0301-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,4-Dioxane	ND	0.11	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Ethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Hexachlorobutadiene	ND	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
2-Hexanone (MBK)	ND	0.022	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Methyl Cyclohexane	0.0027	0.0044	0.00085	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Methylene Chloride	0.0017	0.022	0.0010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 14:12	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Naphthalene	ND	0.0044	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Styrene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Tetrachloroethylene	1.0	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Tetrachloroethylene	8.6	0.57	0.097	mg/Kg dry	10		SW-846 8260D	10/5/23	10/10/23 0:15	EEH
Tetrahydrofuran	ND	0.011	0.0039	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Toluene	0.0014	0.0022	0.00074	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Trichloroethylene	0.0060	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
Vinyl Chloride	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF
o-Xylene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/4/23 14:12	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	10/10/23 0:15
1,2-Dichloroethane-d4	113	70-130	10/4/23 14:12
Toluene-d8	103	70-130	10/10/23 0:15
Toluene-d8	99.2	70-130	10/4/23 14:12
4-Bromofluorobenzene	100	70-130	10/10/23 0:15
4-Bromofluorobenzene	98.2	70-130	10/4/23 14:12

*Handwritten signature and date: 10/4/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-1.0-1.5

Sampled: 10/2/2023 11:18

Sample ID: 23J0301-17

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.2		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-2.0-2.5

Sampled: 10/2/2023 11:20

Sample ID: 23J0301-18

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.081	0.12	0.010	mg/Kg dry	1	V-06, J	SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Acrylonitrile	ND	0.0069	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
tert-Amyl Methyl Ether (TAME)	ND	WT 0.0012	0.00079	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Benzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Bromochloromethane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Bromomethane	ND	WT 0.012	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
2-Butanone (MEK)	ND	0.046	0.0072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
n-Butylbenzene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
tert-Butylbenzene	ND	0.0023	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Carbon Disulfide	0.015	0.012	0.0092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Carbon Tetrachloride	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Chlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Chlorodibromomethane	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Chloroethane	ND	WT 0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Chloroform	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Chloromethane	ND	WT 0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
2-Chlorotoluene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
4-Chlorotoluene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Dibromomethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Dichlorodifluoromethane (Freon 12)	ND	WT 0.023	0.0012	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1-Dichloroethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1-Dichloroethylene	0.0013	0.0046	0.00095	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/5/23 6:19	MFF
cis-1,2-Dichloroethylene	1.7	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
cis-1,2-Dichloroethylene	2.1	0.13	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/10/23 0:43	EEH
trans-1,2-Dichloroethylene	0.019	0.0023	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2-Dichloropropane	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,3-Dichloropropane	ND	0.0012	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
2,2-Dichloropropane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-2.0-2.5

Sampled: 10/2/2023 11:20

Sample ID: 23J0301-18

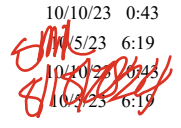
Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diethyl Ether	ND	0.023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Diisopropyl Ether (DIPE)	ND	0.0012	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,4-Dioxane	ND	0.12	0.052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Ethylbenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Hexachlorobutadiene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Methyl Cyclohexane	ND	0.0046	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Naphthalene	ND	0.0046	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
n-Propylbenzene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Tetrachloroethylene	0.0052	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Tetrahydrofuran	ND	0.012	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Toluene	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Trichloroethylene	0.0015	0.0023	0.00093	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
Vinyl Chloride	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:19	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	10/10/23 0:43
1,2-Dichloroethane-d4	116	70-130	10/5/23 6:19
Toluene-d8	105	70-130	10/10/23 0:43
Toluene-d8	96.9	70-130	10/5/23 6:19
4-Bromofluorobenzene	105	70-130	10/10/23 0:43
4-Bromofluorobenzene	97.7	70-130	10/4/23 6:19



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-2.0-2.5

Sampled: 10/2/2023 11:20

Sample ID: 23J0301-18

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.9		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-3.5-4.0

Sampled: 10/2/2023 11:23

Sample ID: 23J0301-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.027	0.11	0.010	mg/Kg dry	1	V-06, J	SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Acrylonitrile	ND	0.0069	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00078	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Benzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Bromochloromethane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Bromomethane	ND	0.011	0.0020	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
2-Butanone (MEK)	ND	0.046	0.0072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
n-Butylbenzene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
tert-Butylbenzene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
tert-Butyl Ethyl Ether (TBEE)	0.013	0.0011	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Carbon Disulfide	ND	0.011	0.0092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Carbon Tetrachloride	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Chlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Chlorodibromomethane	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Chloroform	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
2-Chlorotoluene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Dibromomethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1-Dichloroethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1-Dichloroethylene	ND	0.0046	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
cis-1,2-Dichloroethylene	1.2	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
cis-1,2-Dichloroethylene	0.52	0.060	0.0084	mg/Kg dry	1		SW-846 8260D	10/5/23	10/10/23 1:11	EEH
trans-1,2-Dichloroethylene	0.0070	0.0023	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2-Dichloropropane	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
2,2-Dichloropropane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-3.5-4.0

Sampled: 10/2/2023 11:23

Sample ID: 23J0301-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diethyl Ether	ND	0.023	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Diisopropyl Ether (DIPE)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,4-Dioxane	ND	0.11	0.052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Ethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Hexachlorobutadiene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Methyl Cyclohexane	ND	0.0046	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Naphthalene	ND	0.0046	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
n-Propylbenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Tetrachloroethylene	0.0013	0.0023	0.00096	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Tetrahydrofuran	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Toluene	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Trichloroethylene	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
Vinyl Chloride	ND	0.011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 6:48	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	10/10/23 1:11
1,2-Dichloroethane-d4	119	70-130	10/5/23 6:48
Toluene-d8	104	70-130	10/10/23 1:11
Toluene-d8	94.8	70-130	10/5/23 6:48
4-Bromofluorobenzene	103	70-130	10/10/23 1:11
4-Bromofluorobenzene	93.7	70-130	10/4/23 6:48

*Handwritten signature and date: JM 10/5/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-3.5-4.0

Sampled: 10/2/2023 11:23

Sample ID: 23J0301-19

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-5.0-5.5

Sampled: 10/2/2023 11:30

Sample ID: 23J0301-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.018	0.11	0.0096	mg/Kg dry	1	V-06, J	SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Acrylonitrile	ND	0.0063	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00072	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Benzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Bromobenzene	ND	0.0021	0.00049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Bromochloromethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Bromodichloromethane	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Bromoform	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Bromomethane	ND	0.011	0.0018	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
2-Butanone (MEK)	ND	0.042	0.0066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
n-Butylbenzene	ND	0.0021	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
sec-Butylbenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
tert-Butylbenzene	ND	0.0021	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Carbon Disulfide	ND	0.011	0.0085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Carbon Tetrachloride	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Chlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Chlorodibromomethane	ND	0.0011	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Chloroethane	ND	0.021	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Chloroform	ND	0.0042	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Chloromethane	ND	0.011	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
2-Chlorotoluene	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
4-Chlorotoluene	ND	0.0021	0.00047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Dibromomethane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1-Dichloroethane	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2-Dichloroethane	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1-Dichloroethylene	0.00095	0.0042	0.00087	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/5/23 7:15	MFF
cis-1,2-Dichloroethylene	0.87	0.059	0.0081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/10/23 3:01	EEH
cis-1,2-Dichloroethylene	1.5	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
trans-1,2-Dichloroethylene	0.0065	0.0021	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2-Dichloropropane	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,3-Dichloropropane	ND	0.0011	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
2,2-Dichloropropane	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1-Dichloropropene	ND	0.0021	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-5.0-5.5

Sampled: 10/2/2023 11:30

Sample ID: 23J0301-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diethyl Ether	ND	0.021	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Diisopropyl Ether (DIPE)	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,4-Dioxane	ND	0.11	0.048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Ethylbenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Hexachlorobutadiene	ND	0.0021	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
2-Hexanone (MBK)	ND	0.021	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Methyl Acetate	ND	0.0021	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Methyl Cyclohexane	ND	0.0042	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Naphthalene	ND	0.0042	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
n-Propylbenzene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Styrene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Tetrachloroethylene	ND	0.0021	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Toluene	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Trichloroethylene	ND	0.0021	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
Vinyl Chloride	ND	0.011	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
m+p Xylene	ND	0.0042	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF
o-Xylene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/5/23 7:15	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	108	70-130	10/10/23 3:01
1,2-Dichloroethane-d4	126	70-130	10/5/23 7:15
Toluene-d8	105	70-130	10/10/23 3:01
Toluene-d8	94.6	70-130	10/5/23 7:15
4-Bromofluorobenzene	105	70-130	10/10/23 3:01
4-Bromofluorobenzene	88.1	70-130	10/4/23 7:15

*Handwritten signature and date: JM 10/5/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0301

Date Received: 10/3/2023

Field Sample #: SB-60-5.0-5.5

Sampled: 10/2/2023 11:30

Sample ID: 23J0301-20

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.4		% Wt	1	H-06	SM 2540G	10/17/23	10/17/23 9:24	CCC

**Project:** NYSDEC Highland Plaza Site  
Soil Sampling  
**Laboratory:** Con-Test  
**Work Order No:** 23J0326  
**Fraction:** Organic  
**Matrix:** Soil  
**Report Date:** 9/3/2024

This data usability summary report is based upon a review of analytical data generated for soil samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Validating Volatile Organic Compounds", HW-24, revision 4, October 2014. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

- 
- X • Data Completeness
  - X • Chain of Custody Documentation/Sample Receipt
  - X • Holding Times
  - X • Instrument Performance
  - X • Initial and Continuing Calibrations
  - X • Laboratory and Field Blank Analysis Results
  - X • Surrogate Compound Recoveries
  - X • Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and  
Reproducibility
    - Field Duplicate Analysis Results
  - X • Laboratory Control Sample Results
  - X • Internal Standard Performance
  - X • Qualitative Identification
  - X • Quantitation/Reporting Limits
- 

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers  
President

September 3, 2024

## **1.0 DATA COMPLETENESS**

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no following missing items or issues.

## **2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT**

The chain of custody was complete.

The samples were received in acceptable condition.

No qualifiers were applied.

## **3.0 HOLDING TIMES**

All criteria were met. No qualifiers were applied.

## **4.0 INSTRUMENT PERFORMANCE**

All criteria were met. No qualifiers were applied.

## **5.0 INITIAL AND CONTINUING CALIBRATIONS**

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs  $\leq$  20 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds not previously qualified from the associated initial calibration in the samples have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Analyte	%Difference	Associated Samples
S094582-CCV1 (File ID G22V28202.D)	tert-Amyl Methyl Ether	-20.3	SB-63-6.0-6.5, SB-63-7.5-8.0
	Bromomethane	64.8	
	tert-Butyl alcohol	-24.9	
	Chloroethane	46.9	
	Dichlorodifluoromethane	-25.1	
	Trichlorofluoromethane	26.5	
S094406-CCV1 (File ID G22V27803.D)	Benzene	20.2	SB-60-6.0-6.5, SB-60-7.5-8.0
	Bromochloromethane	28.1	
	Bromoform	-24.3	
	Bromomethane	28.9	
	trans-1,4-Dichloro-2-butene	-21.2	
	Diisopropyl Ether	22.1	
	Methyl Acetate	22.1	
	Naphthalene	-27.8	
S094490-CCV1 (File ID G22V27902.D)	Acetone	29.2	SB-61-1.0-1.5, SB-61-2.0-2.5, SB-61-3.5-4.0, SB-61-5.0-5.5, SB-61-6.0-6.5, SB-61-7.5-8.0, SB-62-1.0-1.5, SB-62-2.0-2.5, SB-62-3.5-4.0, SB-62-5.0-5.5, SB-62-6.0-6.5, SB-62-7.5-8.0, SB-63-2.0-2.5, SB-63-3.5-4.0, SB-63-5.0-5.5
	tert-Amyl Methyl Ether	-20.2	
	Bromomethane	67.0	
	tert-Butyl Alcohol	-23.6	
	Chloroethane	54.1	
	Chloromethane	24.0	
	Trichlorofluoromethane	38.1	
	Vinyl Chloride	22.2	

## 6.0 LABORATORY AND FIELD BLANK ANALYSIS RESULTS

No compounds were detected in the associated volatile laboratory method blank.

Trip, field, or equipment blanks were not submitted with the samples. This should be noted when assessing the data.

## 7.0 SURROGATE COMPOUNDS

All criteria were met. No qualifiers were applied.

**8.0** *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

Table 2 summarizes the volatile matrix spike/matrix spike duplicate (MS/MSD) results that did not meet the indicated quality control (QC) limits for the MS/MSD analysis of sample SB-63-1.0-1.5. The unacceptable results indicate the presence of interferences for the parent sample. The qualifying actions are indicated.

**9.0** *FIELD DUPLICATE RESULTS*

Field duplicate samples were not submitted for this work order.

**10.0** *LABORATORY CONTROL SAMPLE RESULTS*

The following table summarizes the volatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS B354372-BS1 %REC	LCSD B354372- BD1 %REC	QC Limits
Bromomethane	187	192	70-130
Chloroethane	158	167	70-130
Trichlorofluoromethane	137		70-130

The unacceptable recoveries indicate inefficiencies with the sample analytical process. Positive results for the compounds are considered biased high quantitative estimates and may be lower than reported. Samples SB-63-6.0-6.5 and SB-63-7.5-8.0 are associated with the unacceptable LCS/LCSD. Results for the compounds were qualified previously due to continuing calibration.

The following table summarizes the volatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS B353949-BS1 %REC	LCSD B353949- BD1 %REC	QC Limits
Bromomethane	176	184	70-130
Chloroethane	155	166	70-130
Trichlorofluoromethane	137	146	70-130

The unacceptable recoveries indicate inefficiencies with the sample analytical process. Positive results for the compounds are considered biased high quantitative estimates and may be lower than reported. Samples SB-61-1.0-1.5, SB-61-2.0-2.5, SB-61-3.5-4.0, SB-61-5.0-5.5, SB-61-6.0-6.5, SB-61-7.5-8.0, SB-62-1.0-1.5, SB-62-2.0-2.5, SB-62-3.5-4.0, SB-62-5.0-5.5, SB-62-6.0-6.5, SB-62-7.5-8.0, SB-63-2.0-2.5, SB-63-3.5-4.0, and SB-63-5.0-5.5 are associated with the unacceptable LCS/LCSD. Results for the compounds were qualified previously due to continuing calibration.

**11.0 INTERNAL STANDARD PERFORMANCE**

All criteria were met. No qualifiers were applied.

**13.0 QUALITATIVE IDENTIFICATION**

All criteria were met. No qualifiers were applied.

**14.0 QUANTITATION/REPORTING LIMITS**

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

Analysis	Reference
Volatile Organic Compounds	Method 8260D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, V, and VI, June 2018

Table 1 Data Usability Summary Report  
 NYSDEC Highland Plaza Site  
 Soil Sampling  
 Con-Test Work Order No. 23J0326

Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed
				8260D
SB-60-6.0-6.5	23J0326-01	2023/10/02 11:33:00	Soil	X
SB-60-7.5-8.0	23J0326-02	2023/10/02 11:35:00	Soil	X
SB-61-1.0-1.5	23J0326-03	2023/10/02 12:04:00	Soil	X
SB-61-2.0-2.5	23J0326-04	2023/10/02 12:06:00	Soil	X
SB-61-3.5-4.0	23J0326-05	2023/10/02 12:10:00	Soil	X
SB-61-5.0-5.5	23J0326-06	2023/10/02 12:15:00	Soil	X
SB-61-6.0-6.5	23J0326-07	2023/10/02 12:17:00	Soil	X
SB-61-7.5-8.0	23J0326-08	2023/10/02 12:20:00	Soil	X
SB-62-1.0-1.5	23J0326-09	2023/10/02 12:20:00	Soil	X
SB-62-2.0-2.5	23J0326-10	2023/10/02 12:23:00	Soil	X
SB-62-3.5-4.0	23J0326-11	2023/10/02 12:25:00	Soil	X
SB-62-5.0-5.5	23J0326-12	2023/10/02 12:30:00	Soil	X
SB-62-6.0-6.5	23J0326-13	2023/10/02 12:33:00	Soil	X
SB-62-7.5-8.0	23J0326-14	2023/10/02 12:35:00	Soil	X
SB-63-1.0-1.5	23J0326-15	2023/10/02 12:40:00	Soil	X
SB-63-2.0-2.5	23J0326-16	2023/10/02 12:43:00	Soil	X
SB-63-3.5-4.0	23J0326-17	2023/10/02 12:45:00	Soil	X
SB-63-5.0-5.5	23J0326-18	2023/10/02 12:50:00	Soil	X
SB-63-6.0-6.5	23J0326-19	2023/10/02 12:53:00	Soil	X
SB-63-7.5-8.0	23J0326-20	2023/10/02 12:55:00	Soil	X

**Table 2**      **Volatile Matrix Spike/Matrix Spike Duplicate Analyses Results**  
**Soil Sample SB-63-1.0-1.5**

Compound	MS %REC	MSD %REC	QC Limits	RPD	QC Limits	Qualifying Action
Acetone	221	200	70-130		30	The result is nondetect. Qualification is unnecessary
2-Butanone	135		70-130		30	The result is nondetect. Qualification is unnecessary
tert-Butyl Alcohol		68.5	70-130		30	The nondetect result is biased low (UJ)
Chloroethane	169	175	70-130		30	The result is nondetect. Qualification is unnecessary
1,1-Dichloroethene	140	140	70-130		30	The result is nondetect. Qualification is unnecessary
Diisopropyl Ether	133	133	70-130		30	The result is nondetect. Qualification is unnecessary
Methyl Acetate	146		70-130		30	The result is nondetect. Qualification is unnecessary
1,1,1-Trichloroethane	132		70-130		30	The result is nondetect. Qualification is unnecessary
Naphthalene		57	70-130		30	The positive result is biased low (J-)
Trichlorofluoromethane	182	181	70-130		30	The result is nondetect. Qualification is unnecessary
Freon 113	135	135	70-130		30	The result is nondetect. Qualification is unnecessary
Vinyl Chloride	133		70-130		30	The result is nondetect. Qualification is unnecessary

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Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-6.0-6.5

Sampled: 10/2/2023 11:33

Sample ID: 23J0326-01

Sample Matrix: Soil

Sample Flags: PR-03, RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	5.8	0.23	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Acrylonitrile	ND	0.58	0.054	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.058	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Benzene	ND <i>WJ</i>	0.12	0.021	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Bromobenzene	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Bromochloromethane	ND <i>WJ</i>	0.12	0.033	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Bromodichloromethane	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Bromoform	ND <i>WJ</i>	0.12	0.048	mg/Kg dry	2	V-05	SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Bromomethane	ND <i>WJ</i>	0.23	0.15	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
2-Butanone (MEK)	ND	2.3	0.20	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
tert-Butyl Alcohol (TBA)	ND	2.3	0.50	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
n-Butylbenzene	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
sec-Butylbenzene	ND	0.12	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
tert-Butylbenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.058	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Carbon Disulfide	ND	0.58	0.18	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Carbon Tetrachloride	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Chlorobenzene	ND	0.12	0.014	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Chlorodibromomethane	ND	0.058	0.023	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Chloroethane	ND	0.23	0.040	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Chloroform	ND	0.23	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Chloromethane	0.065	0.23	0.059	mg/Kg dry	2	J	SW-846 8260D	10/5/23	10/9/23 18:38	MFF
2-Chlorotoluene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
4-Chlorotoluene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.58	0.099	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2-Dibromoethane (EDB)	ND	0.058	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Dibromomethane	ND	0.12	0.037	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2-Dichlorobenzene	ND	0.12	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,3-Dichlorobenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,4-Dichlorobenzene	ND	0.12	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
trans-1,4-Dichloro-2-butene	ND <i>WJ</i>	0.23	0.17	mg/Kg dry	2	V-05	SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.23	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1-Dichloroethane	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2-Dichloroethane	ND	0.12	0.035	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1-Dichloroethylene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
cis-1,2-Dichloroethylene	5.3	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
trans-1,2-Dichloroethylene	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2-Dichloropropane	ND	0.12	0.023	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,3-Dichloropropane	ND	0.058	0.013	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
2,2-Dichloropropane	ND	0.12	0.041	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1-Dichloropropene	ND	0.23	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
cis-1,3-Dichloropropene	ND	0.058	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
trans-1,3-Dichloropropene	ND	0.058	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Diethyl Ether	ND	0.23	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-6.0-6.5

Sampled: 10/2/2023 11:33

Sample ID: 23J0326-01

Sample Matrix: Soil

Sample Flags: PR-03, RL-11

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.058	0.023	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,4-Dioxane	ND	5.8	2.1	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Ethylbenzene	ND	0.12	0.026	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Hexachlorobutadiene	ND	0.12	0.055	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
2-Hexanone (MBK)	ND	1.2	0.14	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Isopropylbenzene (Cumene)	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.12	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Methyl Acetate	ND <i>WJ</i>	1.2	0.070	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Methyl Cyclohexane	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Methylene Chloride	ND	0.58	0.021	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
4-Methyl-2-pentanone (MIBK)	ND	1.2	0.15	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Naphthalene	ND <i>WJ</i>	0.23	0.044	mg/Kg dry	2	V-05	SW-846 8260D	10/5/23	10/9/23 18:38	MFF
n-Propylbenzene	ND	0.12	0.014	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Styrene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1,1,2-Tetrachloroethane	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1,2,2-Tetrachloroethane	ND	0.058	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Tetrachloroethylene	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Tetrahydrofuran	ND	1.2	0.057	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Toluene	ND	0.12	0.026	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2,3-Trichlorobenzene	ND	0.58	0.040	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2,4-Trichlorobenzene	ND	0.12	0.035	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,3,5-Trichlorobenzene	ND	0.12	0.024	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1,1-Trichloroethane	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1,2-Trichloroethane	ND	0.12	0.022	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Trichloroethylene	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Trichlorofluoromethane (Freon 11)	ND	0.23	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2,3-Trichloropropane	ND	0.23	0.032	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	0.024	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,2,4-Trimethylbenzene	ND	0.12	0.023	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
1,3,5-Trimethylbenzene	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Vinyl Chloride	ND	0.23	0.028	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
m+p Xylene	ND	0.23	0.057	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
o-Xylene	ND	0.12	0.028	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 18:38	MFF
Surrogates	% Recovery		Recovery Limits		Flag/Qual					
1,2-Dichloroethane-d4	110		70-130				10/9/23 18:38			
Toluene-d8	103		70-130				10/9/23 18:38			
4-Bromofluorobenzene	97.0		70-130				10/9/23 18:38			

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-6.0-6.5

Sampled: 10/2/2023 11:33

Sample ID: 23J0326-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.4		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-7.5-8.0

Sampled: 10/2/2023 11:35

Sample ID: 23J0326-02

Sample Matrix: Soil

Sample Flags: PR-03, RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	6.2	0.25	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Acrylonitrile	ND	0.62	0.058	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.062	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Benzene	ND <i>WJ</i>	0.12	0.023	mg/Kg dry	2	<i>CSH</i>	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Bromobenzene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Bromochloromethane	ND <i>WJ</i>	0.12	0.035	mg/Kg dry	2	<i>CSH</i>	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Bromodichloromethane	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Bromoform	ND	0.12	0.051	mg/Kg dry	2	V-05	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Bromomethane	ND <i>WJ</i>	0.25	0.17	mg/Kg dry	2	<i>CSH</i>	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
2-Butanone (MEK)	ND	2.5	0.21	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
tert-Butyl Alcohol (TBA)	ND	2.5	0.53	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
n-Butylbenzene	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
sec-Butylbenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
tert-Butylbenzene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.062	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Carbon Disulfide	ND	0.62	0.19	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Carbon Tetrachloride	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Chlorobenzene	ND	0.12	0.015	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Chlorodibromomethane	ND	0.062	0.025	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Chloroethane	ND	0.25	0.043	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Chloroform	ND	0.25	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Chloromethane	ND	0.25	0.063	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
2-Chlorotoluene	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
4-Chlorotoluene	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.62	0.11	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2-Dibromoethane (EDB)	ND	0.062	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Dibromomethane	ND	0.12	0.040	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2-Dichlorobenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,3-Dichlorobenzene	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,4-Dichlorobenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
trans-1,4-Dichloro-2-butene	ND <i>WJ</i>	0.25	0.19	mg/Kg dry	2	<i>V-05</i>	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.25	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1-Dichloroethane	ND	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2-Dichloroethane	ND	0.12	0.038	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1-Dichloroethylene	ND	0.12	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
cis-1,2-Dichloroethylene	3.5	0.12	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
trans-1,2-Dichloroethylene	ND	0.12	0.021	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2-Dichloropropane	ND	0.12	0.024	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,3-Dichloropropane	ND	0.062	0.014	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
2,2-Dichloropropane	ND	0.12	0.043	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1-Dichloropropene	ND	0.25	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
cis-1,3-Dichloropropene	ND	0.062	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
trans-1,3-Dichloropropene	ND	0.062	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Diethyl Ether	ND	0.25	0.018	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-7.5-8.0

Sampled: 10/2/2023 11:35

Sample ID: 23J0326-02

Sample Matrix: Soil

Sample Flags: PR-03, RL-11

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.062	0.025	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,4-Dioxane	ND	6.2	2.2	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Ethylbenzene	ND	0.12	0.028	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Hexachlorobutadiene	ND	0.12	0.059	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
2-Hexanone (MBK)	ND	1.2	0.15	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Isopropylbenzene (Cumene)	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Methyl Acetate	ND	1.2	0.076	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.12	0.021	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Methyl Cyclohexane	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Methylene Chloride	ND	0.62	0.022	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	1.2	0.16	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Naphthalene	ND	0.25	0.047	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
n-Propylbenzene	ND	0.12	0.016	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Styrene	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.12	0.020	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.062	0.017	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Tetrachloroethylene	4.8	0.12	0.021	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Tetrahydrofuran	ND	1.2	0.061	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Toluene	ND	0.12	0.028	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2,3-Trichlorobenzene	ND	0.62	0.043	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2,4-Trichlorobenzene	ND	0.12	0.037	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,3,5-Trichlorobenzene	ND	0.12	0.026	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1,1-Trichloroethane	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1,2-Trichloroethane	0.027	0.12	0.024	mg/Kg dry	2	J	SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Trichloroethylene	0.91	0.12	0.022	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.25	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2,3-Trichloropropane	ND	0.25	0.035	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.12	0.026	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,2,4-Trimethylbenzene	ND	0.12	0.025	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
1,3,5-Trimethylbenzene	ND	0.12	0.019	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
Vinyl Chloride	ND	0.25	0.030	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
m+p Xylene	ND	0.25	0.061	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF
o-Xylene	ND	0.12	0.030	mg/Kg dry	2		SW-846 8260D	10/5/23	10/9/23 19:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	10/9/23 19:05
Toluene-d8	99.4	70-130	10/9/23 19:05
4-Bromofluorobenzene	95.4	70-130	10/9/23 19:05

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-60-7.5-8.0

Sampled: 10/2/2023 11:35

Sample ID: 23J0326-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-1.0-1.5

Sampled: 10/2/2023 12:04

Sample ID: 23J0326-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.096	0.0087	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Acrylonitrile	ND	0.0057	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.00096	0.00065	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Benzene	ND	0.0019	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Bromobenzene	ND	0.0019	0.00044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Bromochloromethane	ND	0.0019	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Bromodichloromethane	ND	0.0019	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Bromoform	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Bromomethane	ND	0.0096	0.0017	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
2-Butanone (MEK)	ND	0.038	0.0060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
tert-Butyl Alcohol (TBA)	ND	0.096	0.038	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
n-Butylbenzene	ND	0.0019	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
sec-Butylbenzene	ND	0.0019	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
tert-Butylbenzene	ND	0.0019	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00096	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Carbon Disulfide	ND	0.0096	0.0077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Carbon Tetrachloride	ND	0.0019	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Chlorobenzene	ND	0.0019	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Chlorodibromomethane	ND	0.00096	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Chloroethane	ND	0.0019	0.0011	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Chloroform	ND	0.0038	0.00060	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Chloromethane	ND	0.0096	0.00095	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
2-Chlorotoluene	ND	0.0019	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
4-Chlorotoluene	ND	0.0019	0.00043	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2-Dibromoethane (EDB)	ND	0.00096	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Dibromomethane	ND	0.0019	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2-Dichlorobenzene	ND	0.0019	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,3-Dichlorobenzene	ND	0.0019	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,4-Dichlorobenzene	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
trans-1,4-Dichloro-2-butene	ND	0.0038	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.019	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1-Dichloroethane	ND	0.0019	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2-Dichloroethane	ND	0.0019	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1-Dichloroethylene	ND	0.0038	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
cis-1,2-Dichloroethylene	0.0020	0.0019	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
trans-1,2-Dichloroethylene	ND	0.0019	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2-Dichloropropane	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,3-Dichloropropane	ND	0.00096	0.00047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
2,2-Dichloropropane	ND	0.0019	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1-Dichloropropene	ND	0.0019	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
cis-1,3-Dichloropropene	ND	0.00096	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
trans-1,3-Dichloropropene	ND	0.00096	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Diethyl Ether	ND	0.019	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-1.0-1.5

Sampled: 10/2/2023 12:04

Sample ID: 23J0326-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00096	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,4-Dioxane	ND	0.096	0.044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Ethylbenzene	ND	0.0019	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Hexachlorobutadiene	ND	0.0019	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
2-Hexanone (MBK)	ND	0.019	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Isopropylbenzene (Cumene)	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Methyl Acetate	ND	0.0019	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0038	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Methyl Cyclohexane	0.0013	0.0038	0.00074	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Methylene Chloride	ND	0.019	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Naphthalene	ND	0.0038	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
n-Propylbenzene	ND	0.0019	0.00046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Styrene	ND	0.0019	0.00047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1,1,2-Tetrachloroethane	ND	0.0019	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1,2,2-Tetrachloroethane	ND	0.00096	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Tetrachloroethylene	0.0046	0.0019	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Tetrahydrofuran	ND	0.0096	0.0034	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Toluene	ND	0.0019	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2,3-Trichlorobenzene	ND	0.0019	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2,4-Trichlorobenzene	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,3,5-Trichlorobenzene	ND	0.0019	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1,1-Trichloroethane	ND	0.0019	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1,2-Trichloroethane	ND	0.0019	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Trichloroethylene	ND	0.0019	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Trichlorofluoromethane (Freon 11)	ND	0.0096	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2,3-Trichloropropane	ND	0.0019	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0096	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,2,4-Trimethylbenzene	ND	0.0019	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
1,3,5-Trimethylbenzene	ND	0.0019	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Vinyl Chloride	ND	0.0096	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
m+p Xylene	ND	0.0038	0.0014	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
o-Xylene	ND	0.0019	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 6:47	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		113	70-130						10/6/23 6:47	
Toluene-d8		95.2	70-130						10/6/23 6:47	
4-Bromofluorobenzene		89.2	70-130						10/6/23 6:47	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-1.0-1.5

Sampled: 10/2/2023 12:04

Sample ID: 23J0326-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.6		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-2.0-2.5

Sampled: 10/2/2023 12:06

Sample ID: 23J0326-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.025	0.11	0.010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Acrylonitrile	ND	0.0067	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00076	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Benzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Bromochloromethane	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Bromodichloromethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Bromoform	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
2-Butanone (MEK)	ND	0.044	0.0069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
n-Butylbenzene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
sec-Butylbenzene	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
tert-Butylbenzene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Carbon Disulfide	ND	0.011	0.0089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Carbon Tetrachloride	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Chlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Chlorodibromomethane	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Chloroform	ND	0.0044	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
2-Chlorotoluene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
4-Chlorotoluene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Dibromomethane	ND	0.0022	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1-Dichloroethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1-Dichloroethylene	ND	0.0044	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2-Dichloropropane	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,3-Dichloropropane	ND	0.0011	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
2,2-Dichloropropane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1-Dichloropropene	ND	0.0022	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Diethyl Ether	ND	0.022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-2.0-2.5

Sampled: 10/2/2023 12:06

Sample ID: 23J0326-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Ethylbenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Hexachlorobutadiene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
2-Hexanone (MBK)	ND	0.022	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Methyl Cyclohexane	ND	0.0044	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Naphthalene	ND	0.0044	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
n-Propylbenzene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Styrene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Tetrachloroethylene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Toluene	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Trichloroethylene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00083	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Vinyl Chloride	ND	0.011	0.00082	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 7:20	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
o-Xylene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:20	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		119	70-130						10/6/23 7:20	
Toluene-d8		100	70-130						10/6/23 7:20	
4-Bromofluorobenzene		78.2	70-130						10/6/23 7:20	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-2.0-2.5

Sampled: 10/2/2023 12:06

Sample ID: 23J0326-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-3.5-4.0

Sampled: 10/2/2023 12:10

Sample ID: 23J0326-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.013	0.11	0.010	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00077	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Bromobenzene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Bromochloromethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Bromoform	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
2-Butanone (MEK)	ND	0.045	0.0070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.044	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 7:49	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
tert-Butylbenzene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Carbon Disulfide	ND	0.011	0.0090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Carbon Tetrachloride	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Chlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Chlorodibromomethane	ND	0.0011	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Chloroethane	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Chloroform	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Dibromomethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
trans-1,4-Dichloro-2-butene	ND	0.0045	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2-Dichloroethane	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1-Dichloroethylene	ND	0.0045	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2-Dichloropropane	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,3-Dichloropropane	ND	0.0011	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
2,2-Dichloropropane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Diethyl Ether	ND	0.023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-3.5-4.0

Sampled: 10/2/2023 12:10

Sample ID: 23J0326-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Ethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Hexachlorobutadiene	ND	0.0023	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0045	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Methyl Cyclohexane	ND	0.0045	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Naphthalene	ND	0.0045	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
n-Propylbenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Tetrachloroethylene	ND	0.0023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Toluene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Trichloroethylene	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Vinyl Chloride	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
m+p Xylene	ND	0.0045	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
o-Xylene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 7:49	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		119	70-130						10/6/23 7:49	
Toluene-d8		98.4	70-130						10/6/23 7:49	
4-Bromofluorobenzene		88.2	70-130						10/6/23 7:49	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-3.5-4.0

Sampled: 10/2/2023 12:10

Sample ID: 23J0326-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-5.0-5.5

Sampled: 10/2/2023 12:15

Sample ID: 23J0326-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <del>WJ</del>	0.10	0.0094	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Acrylonitrile	ND	0.0062	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00071	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Benzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Bromobenzene	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Bromochloromethane	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Bromodichloromethane	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Bromoform	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Bromomethane	ND <del>WJ</del>	0.0010	0.0018	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
2-Butanone (MEK)	ND	0.041	0.0065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
tert-Butyl Alcohol (TBA)	ND <del>WJ</del>	0.041	0.041	mg/Kg dry	1	V-05 CC#	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
n-Butylbenzene	ND	0.0021	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
sec-Butylbenzene	ND	0.0021	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
tert-Butylbenzene	ND	0.0021	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Carbon Disulfide	ND	0.010	0.0083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Carbon Tetrachloride	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Chlorobenzene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Chlorodibromomethane	ND	0.0010	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Chloroethane	ND <del>WJ</del>	0.0021	0.0011	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Chloroform	ND	0.0041	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Chloromethane	ND <del>WJ</del>	0.0010	0.0010	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
2-Chlorotoluene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
4-Chlorotoluene	ND	0.0021	0.00047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Dibromomethane	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
trans-1,4-Dichloro-2-butene	ND	0.0041	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1-Dichloroethane	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2-Dichloroethane	ND	0.0021	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1-Dichloroethylene	ND	0.0041	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
cis-1,2-Dichloroethylene	0.00075	0.0021	0.00066	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2-Dichloropropane	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,3-Dichloropropane	ND	0.0010	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
2,2-Dichloropropane	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1-Dichloropropene	ND	0.0021	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Diethyl Ether	ND	0.021	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-5.0-5.5

Sampled: 10/2/2023 12:15

Sample ID: 23J0326-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,4-Dioxane	ND	0.10	0.047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Ethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Hexachlorobutadiene	ND	0.0021	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
2-Hexanone (MBK)	ND	0.021	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Methyl Acetate	ND	0.0021	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0041	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Methyl Cyclohexane	ND	0.0041	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Methylene Chloride	ND	0.021	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Naphthalene	ND	0.0041	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
n-Propylbenzene	ND	0.0021	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Styrene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Tetrachloroethylene	ND	0.0021	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Tetrahydrofuran	ND	0.010	0.0037	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Toluene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Trichloroethylene	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00077	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
Vinyl Chloride	ND	0.010	0.00077	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 8:24	MFF
m+p Xylene	ND	0.0041	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF
o-Xylene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 8:24	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	115	70-130	10/6/23 8:24
Toluene-d8	95.6	70-130	10/6/23 8:24
4-Bromofluorobenzene	88.6	70-130	10/6/23 8:24

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-5.0-5.5

Sampled: 10/2/2023 12:15

Sample ID: 23J0326-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-6.0-6.5

Sampled: 10/2/2023 12:17

Sample ID: 23J0326-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>WJ</i>	0.11	0.0097	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Acrylonitrile	ND	0.0065	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00074	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Bromobenzene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Bromochloromethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Bromoform	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Bromomethane	ND <i>WJ</i>	0.011	0.0019	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.11	0.043	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
n-Butylbenzene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
tert-Butylbenzene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Carbon Disulfide	ND	0.011	0.0086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Carbon Tetrachloride	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Chlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Chloroethane	ND <i>WJ</i>	0.022	0.0012	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Chloromethane	ND <i>WJ</i>	0.011	0.0011	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
2-Chlorotoluene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
4-Chlorotoluene	ND	0.0022	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Dibromomethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2-Dichloroethane	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
cis-1,2-Dichloroethylene	0.0012	0.0022	0.00069	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2-Dichloropropane	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
2,2-Dichloropropane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1-Dichloropropene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Diethyl Ether	ND	0.022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-6.0-6.5

Sampled: 10/2/2023 12:17

Sample ID: 23J0326-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatil Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Ethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Hexachlorobutadiene	ND	0.0022	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
2-Hexanone (MBK)	ND	0.022	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Methyl Acetate	ND	0.0022	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Methyl Cyclohexane	ND	0.0043	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Naphthalene	ND	0.0043	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
n-Propylbenzene	ND	0.0022	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Styrene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Tetrachloroethylene	ND	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Toluene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Trichloroethylene	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00080	mg/Kg dry	1	OK	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00063	mg/Kg dry	1	OK	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Vinyl Chloride	ND	0.011	0.00080	mg/Kg dry	1	OK	SW-846 8260D	10/4/23	10/6/23 9:07	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
o-Xylene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:07	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		122	70-130						10/6/23 9:07	
Toluene-d8		96.4	70-130						10/6/23 9:07	
4-Bromofluorobenzene		84.2	70-130						10/6/23 9:07	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-6.0-6.5

Sampled: 10/2/2023 12:17

Sample ID: 23J0326-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

*Handwritten signature and date: AV 10/13/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-7.5-8.0

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Acrylonitrile	ND	0.0066	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00076	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Benzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Bromochloromethane	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Bromodichloromethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Bromoform	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Bromomethane	ND	0.0011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
2-Butanone (MEK)	ND	0.044	0.0069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.044	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
n-Butylbenzene	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
tert-Butylbenzene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Carbon Disulfide	ND	0.011	0.0089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Carbon Tetrachloride	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Chlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Chlorodibromomethane	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Chloroethane	ND	0.0022	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Chloroform	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Chloromethane	ND	0.0011	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
2-Chlorotoluene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
4-Chlorotoluene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Dibromomethane	ND	0.0022	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1-Dichloroethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1-Dichloroethylene	ND	0.0044	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
cis-1,2-Dichloroethylene	0.0014	0.0022	0.00071	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 9:40	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2-Dichloropropane	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,3-Dichloropropane	ND	0.0011	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
2,2-Dichloropropane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1-Dichloropropene	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Diethyl Ether	ND	0.022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-7.5-8.0

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,4-Dioxane	ND	0.11	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Ethylbenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Hexachlorobutadiene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
2-Hexanone (MBK)	ND	0.022	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Methyl Cyclohexane	ND	0.0044	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Naphthalene	ND	0.0044	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Styrene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Tetrachloroethylene	0.0021	0.0022	0.00093	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Toluene	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Trichloroethylene	0.0011	0.0022	0.00089	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Vinyl Chloride	ND	0.011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
o-Xylene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 9:40	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		112	70-130						10/6/23 9:40	
Toluene-d8		95.5	70-130						10/6/23 9:40	
4-Bromofluorobenzene		87.1	70-130						10/6/23 9:40	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-61-7.5-8.0

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-1.0-1.5

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>WJ</i>	0.12	0.011	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Bromochloromethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Bromomethane	ND <i>WJ</i>	0.012	0.0020	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
2-Butanone (MEK)	ND	0.0047	0.0074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.12	0.047	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Chloroethane	ND <i>WJ</i>	0.024	0.0013	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Chloromethane	ND <i>WJ</i>	0.012	0.0012	mg/Kg dry	1	<i>CGH</i>	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2-Dichloropropane	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-1.0-1.5

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Ethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Methyl Cyclohexane	ND	0.0047	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Naphthalene	ND	0.0047	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Tetrachloroethylene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1	ccf	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1	ccf	SW-846 8260D	10/4/23	10/6/23 10:08	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:08	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		116	70-130						10/6/23 10:08	
Toluene-d8		93.4	70-130						10/6/23 10:08	
4-Bromofluorobenzene		89.6	70-130						10/6/23 10:08	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-1.0-1.5

Sampled: 10/2/2023 12:20

Sample ID: 23J0326-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.2		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-2.0-2.5

Sampled: 10/2/2023 12:23

Sample ID: 23J0326-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>WJ</i>	0.012	0.010	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Acrylonitrile	ND	0.0069	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00079	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Benzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Bromochloromethane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Bromomethane	ND <i>WJ</i>	0.012	0.0020	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
2-Butanone (MEK)	ND	0.046	0.0072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.12	0.046	mg/Kg dry	1	<i>V-05</i>	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
n-Butylbenzene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
tert-Butylbenzene	ND	0.0023	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Carbon Disulfide	ND	0.012	0.0092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Carbon Tetrachloride	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Chlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Chlorodibromomethane	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Chloroethane	ND <i>WJ</i>	0.023	0.0013	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Chloroform	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Chloromethane	ND <i>WJ</i>	0.012	0.0011	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 10:35	MFF
2-Chlorotoluene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
4-Chlorotoluene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Dibromomethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1-Dichloroethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2-Dichloroethane	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1-Dichloroethylene	ND	0.0046	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2-Dichloropropane	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,3-Dichloropropane	ND	0.0012	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
2,2-Dichloropropane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Diethyl Ether	ND	0.023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-2.0-2.5

Sampled: 10/2/2023 12:23

Sample ID: 23J0326-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Ethylbenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Hexachlorobutadiene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Methyl Cyclohexane	ND	0.0046	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Naphthalene	ND	0.0046	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
n-Propylbenzene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Tetrachloroethylene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Tetrahydrofuran	ND	0.012	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Toluene	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Trichloroethylene	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Vinyl Chloride	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 10:35	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		123	70-130						10/6/23 10:35	
Toluene-d8		96.4	70-130						10/6/23 10:35	
4-Bromofluorobenzene		89.4	70-130						10/6/23 10:35	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-2.0-2.5

Sampled: 10/2/2023 12:23

Sample ID: 23J0326-10

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-3.5-4.0

Sampled: 10/2/2023 12:25

Sample ID: 23J0326-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>WJ</i>	0.12	0.011	mg/Kg dry	1	<i>CH</i>	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Acrylonitrile	ND	0.0070	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00079	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Benzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Bromobenzene	ND	0.0023	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Bromochloromethane	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Bromodichloromethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Bromoform	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Bromomethane	<i>ND WJ</i>	0.012	0.0020	mg/Kg dry	1	<i>CH</i>	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
2-Butanone (MEK)	ND	0.046	0.0073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
tert-Butyl Alcohol (TBA)	<i>ND WJ</i>	0.12	0.046	mg/Kg dry	1	<i>CH</i>	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
n-Butylbenzene	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
tert-Butylbenzene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Carbon Disulfide	ND	0.012	0.0093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Carbon Tetrachloride	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Chlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Chlorodibromomethane	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Chloroethane	<i>ND WJ</i>	0.023	0.0013	mg/Kg dry	1	<i>CH</i>	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Chloroform	ND	0.0046	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Chloromethane	<i>ND WJ</i>	0.012	0.0011	mg/Kg dry	1	<i>CH</i>	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
2-Chlorotoluene	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
4-Chlorotoluene	ND	0.0023	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Dibromomethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1-Dichloroethane	ND	0.0023	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1-Dichloroethylene	ND	0.0046	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2-Dichloropropane	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,3-Dichloropropane	ND	0.0012	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
2,2-Dichloropropane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Diethyl Ether	ND	0.023	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-3.5-4.0

Sampled: 10/2/2023 12:25

Sample ID: 23J0326-11

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,4-Dioxane	ND	0.12	0.053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Ethylbenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Hexachlorobutadiene	ND	0.0023	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Methyl Acetate	ND	0.0023	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Methyl Cyclohexane	ND	0.0046	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Naphthalene	ND	0.0046	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
n-Propylbenzene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Tetrachloroethylene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Tetrahydrofuran	ND	0.012	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Toluene	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Trichloroethylene	ND	0.0023	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00087	mg/Kg dry	1	call	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1	OGA	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Vinyl Chloride	ND	0.012	0.00086	mg/Kg dry	1	OGA	SW-846 8260D	10/4/23	10/6/23 11:01	MFF
m+p Xylene	ND	0.0046	0.0017	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
o-Xylene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:01	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		113	70-130						10/6/23 11:01	
Toluene-d8		94.8	70-130						10/6/23 11:01	
4-Bromofluorobenzene		93.9	70-130						10/6/23 11:01	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-3.5-4.0

Sampled: 10/2/2023 12:25

Sample ID: 23J0326-11

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-5.0-5.5

Sampled: 10/2/2023 12:30

Sample ID: 23J0326-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <sup>WJ</sup>	0.11	0.010	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Acrylonitrile	ND	0.0069	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00078	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Benzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Bromochloromethane	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Bromomethane	ND <sup>WJ</sup>	0.011	0.0020	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
2-Butanone (MEK)	ND	0.046	0.0072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
tert-Butyl Alcohol (TBA)	ND <sup>WJ</sup>	0.11	0.045	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
n-Butylbenzene	ND	0.0023	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
tert-Butylbenzene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Carbon Disulfide	ND	0.011	0.0092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Carbon Tetrachloride	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Chlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Chlorodibromomethane	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Chloroethane	ND <sup>WJ</sup>	0.023	0.0013	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Chloroform	ND	0.0046	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Chloromethane	ND <sup>WJ</sup>	0.011	0.0011	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
2-Chlorotoluene	ND	0.0023	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Dibromomethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1-Dichloroethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2-Dichloroethane	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1-Dichloroethylene	ND	0.0046	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2-Dichloropropane	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
2,2-Dichloropropane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Diethyl Ether	ND	0.023	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-5.0-5.5

Sampled: 10/2/2023 12:30

Sample ID: 23J0326-12

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,4-Dioxane	ND	0.11	0.052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Ethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Hexachlorobutadiene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
2-Hexanone (MBK)	ND	0.023	0.0058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Methyl Cyclohexane	ND	0.0046	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Naphthalene	ND	0.0046	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
n-Propylbenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Styrene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Tetrachloroethylene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Tetrahydrofuran	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Toluene	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Trichloroethylene	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Trichlorofluoromethane (Freon 11)	ND <i>WJ</i>	0.011	0.00085	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Vinyl Chloride	ND <i>WJ</i>	0.011	0.00085	mg/Kg dry	1	<i>CC#</i>	SW-846 8260D	10/4/23	10/6/23 11:27	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:27	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		110	70-130						10/6/23 11:27	
Toluene-d8		95.8	70-130						10/6/23 11:27	
4-Bromofluorobenzene		93.8	70-130						10/6/23 11:27	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-5.0-5.5

Sampled: 10/2/2023 12:30

Sample ID: 23J0326-12

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-6.0-6.5

Sampled: 10/2/2023 12:33

Sample ID: 23J0326-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <del>WJ</del>	0.10	0.0095	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Acrylonitrile	ND	0.0063	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0010	0.00072	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Benzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Bromobenzene	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Bromochloromethane	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Bromodichloromethane	ND	0.0021	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Bromoform	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Bromomethane	ND <del>WJ</del>	0.010	0.0018	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
2-Butanone (MEK)	ND	0.042	0.0065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.10	0.041	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
n-Butylbenzene	ND	0.0021	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
sec-Butylbenzene	ND	0.0021	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
tert-Butylbenzene	ND	0.0021	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0010	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Carbon Disulfide	ND	0.010	0.0084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Carbon Tetrachloride	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Chlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Chlorodibromomethane	ND	0.0010	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Chloroethane	ND <del>WJ</del>	0.021	0.0012	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Chloroform	ND	0.0042	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Chloromethane	ND <del>WJ</del>	0.010	0.0010	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
2-Chlorotoluene	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
4-Chlorotoluene	ND	0.0021	0.00047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0010	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Dibromomethane	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0042	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1-Dichloroethane	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2-Dichloroethane	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1-Dichloroethylene	ND	0.0042	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2-Dichloropropane	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,3-Dichloropropane	ND	0.0010	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
2,2-Dichloropropane	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1-Dichloropropene	ND	0.0021	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
cis-1,3-Dichloropropene	ND	0.0010	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
trans-1,3-Dichloropropene	ND	0.0010	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Diethyl Ether	ND	0.021	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-6.0-6.5

Sampled: 10/2/2023 12:33

Sample ID: 23J0326-13

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0010	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,4-Dioxane	ND	0.10	0.048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Ethylbenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Hexachlorobutadiene	ND	0.0021	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
2-Hexanone (MBK)	ND	0.021	0.0053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Methyl Acetate	ND	0.0021	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0042	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Methyl Cyclohexane	ND	0.0042	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0046	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Naphthalene	ND	0.0042	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
n-Propylbenzene	ND	0.0021	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Styrene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0010	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Tetrachloroethylene	ND	0.0021	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Tetrahydrofuran	ND	0.010	0.0037	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Toluene	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Trichloroethylene	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.010	0.00078	mg/Kg dry	1	ectt	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.010	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
Vinyl Chloride	ND	0.010	0.00077	mg/Kg dry	1	ectt	SW-846 8260D	10/4/23	10/6/23 13:20	MFF
m+p Xylene	ND	0.0042	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF
o-Xylene	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	110	70-130	10/6/23 13:20
Toluene-d8	95.2	70-130	10/6/23 13:20
4-Bromofluorobenzene	94.9	70-130	10/6/23 13:20

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-6.0-6.5

Sampled: 10/2/2023 12:33

Sample ID: 23J0326-13

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-7.5-8.0

Sampled: 10/2/2023 12:35

Sample ID: 23J0326-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0099	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Acrylonitrile	ND	0.0066	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00075	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Benzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Bromochloromethane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Bromodichloromethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Bromoform	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
2-Butanone (MEK)	ND	0.044	0.0068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.043	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
n-Butylbenzene	ND	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
tert-Butylbenzene	ND	0.0022	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Carbon Disulfide	ND	0.011	0.0088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Carbon Tetrachloride	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Chlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Chlorodibromomethane	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Chloroform	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1	CCH	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
2-Chlorotoluene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
4-Chlorotoluene	ND	0.0022	0.00049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Dibromomethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1-Dichloroethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2-Dichloroethane	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1-Dichloroethylene	ND	0.0044	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2-Dichloropropane	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,3-Dichloropropane	ND	0.0011	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
2,2-Dichloropropane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1-Dichloropropene	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Diethyl Ether	ND	0.022	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-7.5-8.0

Sampled: 10/2/2023 12:35

Sample ID: 23J0326-14

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,4-Dioxane	ND	0.11	0.050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Ethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Hexachlorobutadiene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
2-Hexanone (MBK)	ND	0.022	0.0055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Methyl Cyclohexane	ND	0.0044	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Naphthalene	ND	0.0044	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Styrene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Tetrachloroethylene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Tetrahydrofuran	ND	0.011	0.0039	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Toluene	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Trichloroethylene	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00082	mg/Kg dry	1	call	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Vinyl Chloride	ND	0.011	0.00081	mg/Kg dry	1	call	SW-846 8260D	10/4/23	10/6/23 13:46	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
o-Xylene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 13:46	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		111	70-130						10/6/23 13:46	
Toluene-d8		99.0	70-130						10/6/23 13:46	
4-Bromofluorobenzene		93.2	70-130						10/6/23 13:46	

*Handwritten signature and date: 10/20/23*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-62-7.5-8.0

Sampled: 10/2/2023 12:35

Sample ID: 23J0326-14

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.2		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-1.0-1.5

Sampled: 10/2/2023 12:40

Sample ID: 23J0326-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <del>UT</del>	0.11	0.0097	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Acrylonitrile	ND	0.0065	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00074	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Bromobenzene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Bromochloromethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Bromoform	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Bromomethane	ND <del>UT</del>	0.011	0.0019	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
tert-Butyl Alcohol (TBA)	ND <del>UT</del>	0.11	0.043	mg/Kg dry	1	MSL	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
n-Butylbenzene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
tert-Butylbenzene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Carbon Disulfide	ND	0.011	0.0086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Carbon Tetrachloride	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Chlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Chloroethane	ND <del>UT</del>	0.022	0.0012	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Chloromethane	ND <del>UT</del>	0.011	0.0011	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
2-Chlorotoluene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
4-Chlorotoluene	ND	0.0022	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Dibromomethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2-Dichloroethane	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2-Dichloropropane	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
2,2-Dichloropropane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1-Dichloropropene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Diethyl Ether	ND	0.022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-1.0-1.5

Sampled: 10/2/2023 12:40

Sample ID: 23J0326-15

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Ethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Hexachlorobutadiene	ND	0.0022	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
2-Hexanone (MBK)	ND	0.022	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Methyl Acetate	ND	0.0022	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Methyl Cyclohexane	ND	0.0043	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Naphthalene	0.0079	J 0.0043	0.00077	mg/Kg dry	1	MSL	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
n-Propylbenzene	ND	0.0022	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Styrene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Tetrachloroethylene	0.0042	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Toluene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Trichloroethylene	0.0021	0.0022	0.00087	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Trichlorofluoromethane (Freon 11)	ND	WJ 0.011	0.00080	mg/Kg dry	1	CCM	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Vinyl Chloride	ND	WJ 0.011	0.00080	mg/Kg dry	1	CCM	SW-846 8260D	10/4/23	10/6/23 11:54	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
o-Xylene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 11:54	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		111	70-130						10/6/23 11:54	
Toluene-d8		99.8	70-130						10/6/23 11:54	
4-Bromofluorobenzene		91.2	70-130						10/6/23 11:54	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-1.0-1.5

Sampled: 10/2/2023 12:40

Sample ID: 23J0326-15

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-2.0-2.5

Sampled: 10/2/2023 12:43

Sample ID: 23J0326-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>UJ</i>	0.11	0.010	mg/Kg dry	1	<i>CELH</i>	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Acrylonitrile	ND	0.0067	0.00099	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00076	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Benzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Bromochloromethane	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Bromodichloromethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Bromoform	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
2-Butanone (MEK)	ND	0.044	0.0069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
tert-Butyl Alcohol (TBA)	ND <i>UJ</i>	0.11	0.044	mg/Kg dry	1	V-05 <i>CELH</i>	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
n-Butylbenzene	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
sec-Butylbenzene	ND	0.0022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
tert-Butylbenzene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Carbon Disulfide	ND	0.011	0.0089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Carbon Tetrachloride	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Chlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Chlorodibromomethane	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Chloroethane	ND <i>UJ</i>	0.022	0.0012	mg/Kg dry	1	<i>CELH</i>	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Chloroform	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Chloromethane	ND <i>UJ</i>	0.011	0.0011	mg/Kg dry	1	<i>CELH</i>	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
2-Chlorotoluene	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
4-Chlorotoluene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Dibromomethane	ND	0.0022	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1-Dichloroethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1-Dichloroethylene	ND	0.0044	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2-Dichloropropane	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,3-Dichloropropane	ND	0.0011	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
2,2-Dichloropropane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1-Dichloropropene	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Diethyl Ether	ND	0.022	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-2.0-2.5

Sampled: 10/2/2023 12:43

Sample ID: 23J0326-16

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00076	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,4-Dioxane	ND	0.11	0.051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Ethylbenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Hexachlorobutadiene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
2-Hexanone (MBK)	ND	0.022	0.0056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Methyl Cyclohexane	ND	0.0044	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Naphthalene	0.0019	0.0044	0.00080	mg/Kg dry	1	J	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Styrene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Tetrachloroethylene	ND	0.0022	0.00093	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Tetrahydrofuran	ND	0.011	0.0040	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Toluene	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Trichloroethylene	ND	0.0022	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00083	mg/Kg dry	1	CC4	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00098	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
Vinyl Chloride	ND	0.011	0.00082	mg/Kg dry	1	CC4	SW-846 8260D	10/4/23	10/6/23 14:31	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF
o-Xylene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:31	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	113	70-130	10/6/23 14:31
Toluene-d8	99.1	70-130	10/6/23 14:31
4-Bromofluorobenzene	92.3	70-130	10/6/23 14:31



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-2.0-2.5

Sampled: 10/2/2023 12:43

Sample ID: 23J0326-16

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-3.5-4.0

Sampled: 10/2/2023 12:45

Sample ID: 23J0326-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <del>WT</del>	0.11	0.0096	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Acrylonitrile	ND	0.0064	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00073	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Bromobenzene	ND	0.0021	0.00049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Bromochloromethane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Bromodichloromethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Bromoform	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Bromomethane	ND <del>WT</del>	0.011	0.0018	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
tert-Butyl Alcohol (TBA)	ND <del>WT</del>	0.11	0.042	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
n-Butylbenzene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
sec-Butylbenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
tert-Butylbenzene	ND	0.0021	0.00091	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Carbon Disulfide	ND	0.011	0.0085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Carbon Tetrachloride	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Chlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Chloroethane	ND <del>WT</del>	0.021	0.0012	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Chloromethane	ND <del>WT</del>	0.011	0.0011	mg/Kg dry	1	CC#	SW-846 8260D	10/4/23	10/6/23 14:56	MFF
2-Chlorotoluene	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
4-Chlorotoluene	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Dibromomethane	ND	0.0021	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1-Dichloroethane	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2-Dichloroethane	ND	0.0021	0.00071	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2-Dichloropropane	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1-Dichloropropene	ND	0.0021	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Diethyl Ether	ND	0.021	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-3.5-4.0

Sampled: 10/2/2023 12:45

Sample ID: 23J0326-17

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Ethylbenzene	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Hexachlorobutadiene	ND	0.0021	0.00089	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
2-Hexanone (MBK)	ND	0.021	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Methyl Acetate	ND	0.0021	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Methyl Cyclohexane	ND	0.0043	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Naphthalene	ND	0.0043	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
n-Propylbenzene	ND	0.0021	0.00051	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Styrene	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Tetrachloroethylene	ND	0.0021	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Toluene	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Trichloroethylene	ND	0.0021	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00080	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00094	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00081	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
Vinyl Chloride	ND	0.011	0.00079	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF
o-Xylene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 14:56	MFF

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CS4

scat

scat

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	114	70-130	10/6/23 14:56
Toluene-d8	96.1	70-130	10/6/23 14:56
4-Bromofluorobenzene	94.5	70-130	10/6/23 14:56



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-3.5-4.0

Sampled: 10/2/2023 12:45

Sample ID: 23J0326-17

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-5.0-5.5

Sampled: 10/2/2023 12:50

Sample ID: 23J0326-18

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND <i>WJ</i>	0.11	0.0097	mg/Kg dry	1	<i>call</i>	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Acrylonitrile	ND	0.0064	0.00096	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00073	mg/Kg dry	1	V-05	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Benzene	ND	0.0021	0.00062	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Bromobenzene	ND	0.0021	0.00050	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Bromochloromethane	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Bromodichloromethane	ND	0.0021	0.00056	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Bromoform	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Bromomethane	ND <i>WJ</i>	0.011	0.0019	mg/Kg dry	1	<i>call</i>	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
tert-Butyl Alcohol (TBA)	ND <i>WJ</i>	0.11	0.042	mg/Kg dry	1	<i>call</i>	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
n-Butylbenzene	ND	0.0021	0.00070	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
sec-Butylbenzene	ND	0.0021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
tert-Butylbenzene	ND	0.0021	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Carbon Disulfide	ND	0.011	0.0086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Carbon Tetrachloride	ND	0.0021	0.00084	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Chlorobenzene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Chloroethane	ND <i>WJ</i>	0.021	0.0012	mg/Kg dry	1	<i>call</i>	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Chloromethane	ND <i>WJ</i>	0.011	0.0011	mg/Kg dry	1	<i>call</i>	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
2-Chlorotoluene	ND	0.0021	0.00054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
4-Chlorotoluene	ND	0.0021	0.00048	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0021	0.00085	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Dibromomethane	ND	0.0021	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2-Dichlorobenzene	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,3-Dichlorobenzene	ND	0.0021	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,4-Dichlorobenzene	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.021	0.0011	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1-Dichloroethane	ND	0.0021	0.00074	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2-Dichloroethane	ND	0.0021	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
cis-1,2-Dichloroethylene	ND	0.0021	0.00068	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
trans-1,2-Dichloroethylene	ND	0.0021	0.00078	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2-Dichloropropane	ND	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
2,2-Dichloropropane	ND	0.0021	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1-Dichloropropene	ND	0.0021	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Diethyl Ether	ND	0.021	0.00088	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-5.0-5.5

Sampled: 10/2/2023 12:50

Sample ID: 23J0326-18

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Ethylbenzene	ND	0.0021	0.00064	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Hexachlorobutadiene	ND	0.0021	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
2-Hexanone (MBK)	ND	0.021	0.0054	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Isopropylbenzene (Cumene)	ND	0.0021	0.00067	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0021	0.00066	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Methyl Acetate	ND	0.0021	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Methyl Cyclohexane	ND	0.0043	0.00083	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Methylene Chloride	ND	0.021	0.0010	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.021	0.0047	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Naphthalene	ND	0.0043	0.00077	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
n-Propylbenzene	ND	0.0021	0.00052	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Styrene	ND	0.0021	0.00053	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0021	0.00058	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Tetrachloroethylene	0.0038	0.0021	0.00090	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Toluene	ND	0.0021	0.00073	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2,3-Trichlorobenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2,4-Trichlorobenzene	ND	0.0021	0.00065	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,3,5-Trichlorobenzene	ND	0.0021	0.00061	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1,1-Trichloroethane	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1,2-Trichloroethane	ND	0.0021	0.00057	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Trichloroethylene	ND	0.0021	0.00086	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00080	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2,3-Trichloropropane	ND	0.0021	0.00095	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00092	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,2,4-Trimethylbenzene	ND	0.0021	0.00082	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
1,3,5-Trimethylbenzene	ND	0.0021	0.00062	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
Vinyl Chloride	ND	0.011	0.00079	mg/Kg dry	1	COH	SW-846 8260D	10/4/23	10/6/23 15:22	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF
o-Xylene	ND	0.0021	0.00060	mg/Kg dry	1		SW-846 8260D	10/4/23	10/6/23 15:22	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	111	70-130	10/6/23 15:22
Toluene-d8	96.5	70-130	10/6/23 15:22
4-Bromofluorobenzene	94.2	70-130	10/6/23 15:22



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-5.0-5.5

Sampled: 10/2/2023 12:50

Sample ID: 23J0326-18

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-6.0-6.5

Sampled: 10/2/2023 12:53

Sample ID: 23J0326-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0097	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Acrylonitrile	ND	0.0065	0.00096	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
tert-Amyl Methyl Ether (TAME)	<del>ND</del> <i>WJ</i> 0.0011	0.0011	0.00074	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Benzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Bromobenzene	ND	0.0022	0.00050	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Bromochloromethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Bromodichloromethane	ND	0.0022	0.00056	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Bromoform	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Bromomethane	<del>ND</del> <i>WJ</i> 0.011	0.011	0.0019	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
2-Butanone (MEK)	ND	0.043	0.0067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
tert-Butyl Alcohol (TBA)	<del>ND</del> <i>WJ</i> 0.11	0.11	0.043	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 5:56	MFF
n-Butylbenzene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
tert-Butylbenzene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Carbon Disulfide	ND	0.011	0.0086	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Carbon Tetrachloride	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Chlorobenzene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Chlorodibromomethane	ND	0.0011	0.00068	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Chloroethane	<del>ND</del> <i>WJ</i> 0.022	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Chloroform	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
2-Chlorotoluene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
4-Chlorotoluene	ND	0.0022	0.00048	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00082	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Dibromomethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
trans-1,4-Dichloro-2-butene	ND	0.0043	0.00067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Dichlorodifluoromethane (Freon 12)	<del>ND</del> <i>WJ</i> 0.022	0.022	0.0011	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1-Dichloroethane	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2-Dichloroethane	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1-Dichloroethylene	ND	0.0043	0.00088	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00069	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00078	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2-Dichloropropane	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,3-Dichloropropane	ND	0.0011	0.00053	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
2,2-Dichloropropane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1-Dichloropropene	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00060	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00066	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Diethyl Ether	ND	0.022	0.00088	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-6.0-6.5

Sampled: 10/2/2023 12:53

Sample ID: 23J0326-19

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00073	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,4-Dioxane	ND	0.11	0.049	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Ethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Hexachlorobutadiene	ND	0.0022	0.00090	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
2-Hexanone (MBK)	ND	0.022	0.0054	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Methyl Acetate	ND	0.0022	0.0015	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0043	0.00072	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Methyl Cyclohexane	ND	0.0043	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Methylene Chloride	ND	0.022	0.0010	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0048	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Naphthalene	ND	0.0043	0.00077	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
n-Propylbenzene	ND	0.0022	0.00052	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Styrene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Tetrachloroethylene	0.0076	0.0022	0.00091	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Tetrahydrofuran	ND	0.011	0.0038	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Toluene	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2,3-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00065	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Trichloroethylene	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Trichlorofluoromethane (Freon 11)	<del>ND</del>	0.011	0.00080	mg/Kg dry	1	QCH	SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00095	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00093	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00082	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Vinyl Chloride	ND	0.011	0.00080	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
m+p Xylene	ND	0.0043	0.0015	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
o-Xylene	ND	0.0022	0.00060	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 5:56	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		118	70-130					10/9/23	5:56	
Toluene-d8		95.8	70-130					10/9/23	5:56	
4-Bromofluorobenzene		99.4	70-130					10/9/23	5:56	



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-6.0-6.5

Sampled: 10/2/2023 12:53

Sample ID: 23J0326-19

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.5		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-7.5-8.0

Sampled: 10/2/2023 12:55

Sample ID: 23J0326-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.095	0.0086	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Acrylonitrile	ND	0.0057	0.00085	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
tert-Amyl Methyl Ether (TAME)	<del>ND</del> 0.00095	0.00095	0.00065	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Benzene	ND	0.0019	0.00055	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Bromobenzene	ND	0.0019	0.00044	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Bromochloromethane	ND	0.0019	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Bromodichloromethane	ND	0.0019	0.00049	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Bromoform	ND	0.0019	0.00058	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Bromomethane	<del>ND</del> 0.00095	0.00095	0.0016	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
2-Butanone (MEK)	ND	0.038	0.0059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
tert-Butyl Alcohol (TBA)	<del>ND</del> 0.095	0.095	0.037	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 6:22	MFF
n-Butylbenzene	ND	0.0019	0.00062	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
sec-Butylbenzene	ND	0.0019	0.00090	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
tert-Butylbenzene	ND	0.0019	0.00081	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.00095	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Carbon Disulfide	ND	0.0095	0.0076	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Carbon Tetrachloride	ND	0.0019	0.00075	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Chlorobenzene	ND	0.0019	0.00053	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Chlorodibromomethane	ND	0.00095	0.00060	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Chloroethane	<del>ND</del> 0.019	0.019	0.0010	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Chloroform	ND	0.0038	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Chloromethane	ND	0.0095	0.00094	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
2-Chlorotoluene	ND	0.0019	0.00048	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
4-Chlorotoluene	ND	0.0019	0.00043	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0019	0.00075	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2-Dibromoethane (EDB)	ND	0.00095	0.00072	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Dibromomethane	ND	0.0019	0.00065	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2-Dichlorobenzene	ND	0.0019	0.00050	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,3-Dichlorobenzene	ND	0.0019	0.00052	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,4-Dichlorobenzene	ND	0.0019	0.00057	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0038	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Dichlorodifluoromethane (Freon 12)	<del>ND</del> 0.019	0.019	0.00098	mg/Kg dry	1	V-05	SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1-Dichloroethane	ND	0.0019	0.00065	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2-Dichloroethane	ND	0.0019	0.00063	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1-Dichloroethylene	ND	0.0038	0.00078	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
cis-1,2-Dichloroethylene	ND	0.0019	0.00060	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
trans-1,2-Dichloroethylene	ND	0.0019	0.00069	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2-Dichloropropane	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,3-Dichloropropane	ND	0.00095	0.00047	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
2,2-Dichloropropane	ND	0.0019	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1-Dichloropropene	ND	0.0019	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
cis-1,3-Dichloropropene	ND	0.00095	0.00053	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
trans-1,3-Dichloropropene	ND	0.00095	0.00058	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Diethyl Ether	ND	0.019	0.00078	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-7.5-8.0

Sampled: 10/2/2023 12:55

Sample ID: 23J0326-20

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.00095	0.00065	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,4-Dioxane	ND	0.095	0.043	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Ethylbenzene	ND	0.0019	0.00057	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Hexachlorobutadiene	ND	0.0019	0.00079	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
2-Hexanone (MBK)	ND	0.019	0.0048	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Isopropylbenzene (Cumene)	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0019	0.00059	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Methyl Acetate	ND	0.0019	0.0014	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0038	0.00064	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Methyl Cyclohexane	ND	0.0038	0.00074	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Methylene Chloride	ND	0.019	0.00091	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.019	0.0042	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Naphthalene	ND	0.0038	0.00068	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
n-Propylbenzene	ND	0.0019	0.00046	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Styrene	ND	0.0019	0.00047	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0019	0.00051	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.00095	0.00052	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Tetrachloroethylene	0.0070	0.0019	0.00080	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Tetrahydrofuran	ND	0.0095	0.0034	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Toluene	ND	0.0019	0.00064	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2,3-Trichlorobenzene	ND	0.0019	0.00054	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2,4-Trichlorobenzene	ND	0.0019	0.00057	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,3,5-Trichlorobenzene	ND	0.0019	0.00054	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1,1-Trichloroethane	ND	0.0019	0.00072	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1,2-Trichloroethane	ND	0.0019	0.00051	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Trichloroethylene	ND	0.0019	0.00076	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Trichlorofluoromethane (Freon 11)	<del>ND</del>	0.0095	0.00071	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2,3-Trichloropropane	ND	0.0019	0.00084	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0095	0.00081	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,2,4-Trimethylbenzene	ND	0.0019	0.00072	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
1,3,5-Trimethylbenzene	ND	0.0019	0.00055	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Vinyl Chloride	ND	0.0095	0.00070	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
m+p Xylene	ND	0.0038	0.0014	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
o-Xylene	ND	0.0019	0.00053	mg/Kg dry	1		SW-846 8260D	10/9/23	10/9/23 6:22	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		118	70-130					10/9/23	6:22	
Toluene-d8		98.2	70-130					10/9/23	6:22	
4-Bromofluorobenzene		96.3	70-130					10/9/23	6:22	



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Project Location: Highland Plaza

Sample Description:

Work Order: 23J0326

Date Received: 10/3/2023

Field Sample #: SB-63-7.5-8.0

Sampled: 10/2/2023 12:55

Sample ID: 23J0326-20

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.1		% Wt	1	H-06	SM 2540G	10/13/23	10/13/23 12:54	AV

**Project:** NYSDEC Highland Plaza Site  
Soil Sampling  
**Laboratory:** Con-Test  
**Work Order No:** 23J0841  
**Fraction:** Organic  
**Matrix:** Soil  
**Report Date:** 9/3/2024

This data usability summary report is based upon a review of analytical data generated for soil samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Validating Volatile Organic Compounds", HW-24, revision 4, October 2014. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

- 
- X • Data Completeness
  - X • Chain of Custody Documentation/Sample Receipt
  - X • Holding Times
  - X • Instrument Performance
  - X • Initial and Continuing Calibrations
  - X • Laboratory and Field Blank Analysis Results
  - X • Surrogate Compound Recoveries
  - Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
  - X • Field Duplicate Analysis Results
  - X • Laboratory Control Sample Results
  - X • Internal Standard Performance
  - X • Qualitative Identification
  - X • Quantitation/Reporting Limits
- 

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers  
President

September 3, 2024

## **1.0 DATA COMPLETENESS**

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no following missing items or issues.

## **2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT**

The chain of custody was complete.

The samples were received in acceptable condition.

No qualifiers were applied.

## **3.0 HOLDING TIMES**

All criteria were met. No qualifiers were applied.

## **4.0 INSTRUMENT PERFORMANCE**

All criteria were met. No qualifiers were applied.

## **5.0 INITIAL AND CONTINUING CALIBRATIONS**

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs  $\leq$  20 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds not previously qualified from the associated initial calibration in the samples have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Analyte	%Difference	Associated Samples
<b>S094535-CCV1</b> (File ID <b>D23V28002.D</b> )	<b>Tetrahydrofuran</b>	<b>44.5</b>	<b>MW-7(6.0-6.5), MW-7(7.5-8.0), MW-7(14.5-15.0), MW-7(23.5- 24.0), MW-4(0-2), MW-4(0- 2)DUP</b>

## 6.0 *LABORATORY AND FIELD BLANK ANALYSIS RESULTS*

No compounds were detected in the associated volatile laboratory method blank.

Trip, field, or equipment blanks were not submitted with the samples. This should be noted when assessing the data.

## 7.0 *SURROGATE COMPOUNDS*

All criteria were met. No qualifiers were applied.

## 8.0 *SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY*

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

## 9.0 *FIELD DUPLICATE RESULTS*

Field duplicate samples MW-4(0-2) and MW-4(0-2)DUP were submitted to the laboratory to evaluate sampling and analytical precision for those organic compounds determined to be present. Results for the field duplicate samples are presented in Table 2.

**10.0            *LABORATORY CONTROL SAMPLE RESULTS***

All criteria were met. No qualifiers were applied.

**11.0            *INTERNAL STANDARD PERFORMANCE***

All criteria were met. No qualifiers were applied.

**13.0            *QUALITATIVE IDENTIFICATION***

All criteria were met. No qualifiers were applied.

**14.0            *QUANTITATION/REPORTING LIMITS***

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

Analysis	Reference
Volatile Organic Compounds	Method 8260D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, V, and VI, June 2018

Table 1 Data Usability Summary Report  
 NYSDEC Highland Plaza Site  
 Soil Sampling  
 Con-Test Work Order No. 23J0841

Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed
				8260D
MW-7(1.0-1.5)	23J0841-01	2023/10/04 08:25:00	Soil	X
MW-7(2.0-2.5)	23J0841-02	2023/10/04 08:33:00	Soil	X
MW-7(3.5-4.0)	23J0841-03	2023/10/04 08:33:00	Soil	X
MW-7(5.0-5.5)	23J0841-04	2023/10/04 08:50:00	Soil	X
MW-7(6.0-6.5)	23J0841-05	2023/10/04 09:00:00	Soil	X
MW-7(7.5-8.0)	23J0841-06	2023/10/04 09:00:00	Soil	X
MW-7(14.5-15.0)	23J0841-07	2023/10/04 09:40:00	Soil	X
MW-7(23.5-24.0)	23J0841-08	2023/10/04 10:15:00	Soil	X
MW-4(0-2)	23J0841-09	2023/10/04 12:45:00	Soil	X
MW-4(0-2)DUP	23J0841-10	2023/10/04 12:45:00	Soil	X

Table 2 Field Duplicate Sample Results for Organic Analyses  
Soil Samples MW-4(0-2) and MW-4(0-2)DUP

Analyte	MW-4(0-2) Result, mg/Kg		MW-4(0-2)DUP Result, mg/Kg	RPD
VOC				
Ethylbenzene	0.00081	J	0.00075	8
Methylcyclohexane	0.0096		0.0088	9
Toluene	0.0065		0.0069	6
Tetrachloroethylene (PCE)	23		53	79
Cis-1,2-Dichloroethylene	0.27		0.35	26
Trans-1,2-Dichloroethene	0.0029		0.0033	13
m,p-Xylene	0.0031	J	0.0032	3
Acetone	0.015	J	0.038	87
Benzene	0.0019	J	0.0019	0
Methylene Chloride			0.0020	200
Trichloroethylene (TCE)	0.21		0.22	5
O-Xylene (1,2-Dimethylbenzene)	0.0028		0.0029	4

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(1.0-1.5)

Sampled: 10/4/2023 08:25

Sample ID: 23J0841-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Bromochloromethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Bromodichloromethane	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Bromomethane	ND	0.011	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/6/23	10/6/23 14:08	MFF
2-Butanone (MEK)	ND	0.046	0.0071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
tert-Butylbenzene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00090	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Carbon Disulfide	ND	0.011	0.0091	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Carbon Tetrachloride	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Chlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Chlorodibromomethane	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Chloroform	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Dibromomethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2-Dichloroethane	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1-Dichloroethylene	ND	0.0046	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2-Dichloropropane	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
2,2-Dichloropropane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Diethyl Ether	ND	0.023	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(1.0-1.5)

Sampled: 10/4/2023 08:25

Sample ID: 23J0841-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,4-Dioxane	ND	0.11	0.052	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Ethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Hexachlorobutadiene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00077	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Methyl Cyclohexane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Naphthalene	ND	0.011	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
n-Propylbenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Tetrachloroethylene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Tetrahydrofuran	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Toluene	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2,3-Trichlorobenzene	ND	0.0046	0.00065	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Trichloroethylene	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00085	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Vinyl Chloride	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:08	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		84.8	70-130						10/6/23 14:08	
Toluene-d8		95.5	70-130						10/6/23 14:08	
4-Bromofluorobenzene		95.6	70-130						10/6/23 14:08	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(1.0-1.5)

Sampled: 10/4/2023 08:25

Sample ID: 23J0841-01

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	92.3		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(2.0-2.5)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Acrylonitrile	ND	0.0072	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/6/23	10/6/23 14:33	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Carbon Disulfide	ND	0.012	0.0096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(2.0-2.5)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

## Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Methyl Cyclohexane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Naphthalene	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:33	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		89.3	70-130						10/6/23 14:33	
Toluene-d8		95.1	70-130						10/6/23 14:33	
4-Bromofluorobenzene		96.3	70-130						10/6/23 14:33	

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Project Location: 215 HIGHLAND PKWY, TONAW    Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(2.0-2.5)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-02

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(3.5-4.0)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Acrylonitrile	ND	0.0072	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Benzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Bromochloromethane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/6/23	10/6/23 14:59	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Carbon Tetrachloride	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Dibromomethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1-Dichloroethylene	ND	0.0048	0.00099	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00088	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2-Dichloropropane	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
2,2-Dichloropropane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Diethyl Ether	ND	0.024	0.00099	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(3.5-4.0)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00081	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Naphthalene	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Trichloroethylene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Vinyl Chloride	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 14:59	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		90.4	70-130						10/6/23 14:59	
Toluene-d8		96.4	70-130						10/6/23 14:59	
4-Bromofluorobenzene		97.3	70-130						10/6/23 14:59	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(3.5-4.0)

Sampled: 10/4/2023 08:33

Sample ID: 23J0841-03

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(5.0-5.5)

Sampled: 10/4/2023 08:50

Sample ID: 23J0841-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Benzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Bromobenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Bromochloromethane	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Bromodichloromethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Bromoform	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/6/23	10/6/23 15:24	MFF
2-Butanone (MEK)	ND	0.049	0.0076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
n-Butylbenzene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
sec-Butylbenzene	ND	0.0024	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Carbon Disulfide	ND	0.012	0.0098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Carbon Tetrachloride	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Chlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Chloroform	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
2-Chlorotoluene	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
4-Chlorotoluene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1-Dichloroethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00089	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2-Dichloropropane	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
2,2-Dichloropropane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Diethyl Ether	ND	0.024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(5.0-5.5)

Sampled: 10/4/2023 08:50

Sample ID: 23J0841-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,4-Dioxane	ND	0.12	0.056	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Ethylbenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Methyl Acetate	ND	0.0024	0.0018	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00082	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Methyl Cyclohexane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0054	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Naphthalene	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
n-Propylbenzene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Tetrahydrofuran	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Toluene	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2,3-Trichlorobenzene	ND	0.0049	0.00069	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Trichloroethylene	ND	0.0024	0.00098	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Vinyl Chloride	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
m+p Xylene	ND	0.0049	0.0017	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
o-Xylene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/6/23	10/6/23 15:24	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		88.8	70-130						10/6/23 15:24	
Toluene-d8		94.9	70-130						10/6/23 15:24	
4-Bromofluorobenzene		97.1	70-130						10/6/23 15:24	

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Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(5.0-5.5)

Sampled: 10/4/2023 08:50

Sample ID: 23J0841-04

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(6.0-6.5)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Benzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Bromochloromethane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 6:57	MFF
2-Butanone (MEK)	ND	0.049	0.0076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Carbon Tetrachloride	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Chloroform	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00088	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2-Dichloropropane	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
2,2-Dichloropropane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Diethyl Ether	ND	0.024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(6.0-6.5)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0054	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Naphthalene	ND	0.0049	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Trichloroethylene	ND	0.0024	0.00098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Vinyl Chloride	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
m+p Xylene	ND	0.0049	0.0017	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
o-Xylene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 6:57	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		91.6	70-130					10/7/23	6:57	
Toluene-d8		96.1	70-130					10/7/23	6:57	
4-Bromofluorobenzene		97.9	70-130					10/7/23	6:57	

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Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(6.0-6.5)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-05

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(7.5-8.0)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Benzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Bromochloromethane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 7:22	MFF
2-Butanone (MEK)	ND	0.048	0.0076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Carbon Tetrachloride	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Chloroform	ND	0.0048	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1-Dichloroethylene	ND	0.0048	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00088	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2-Dichloropropane	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
2,2-Dichloropropane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Diethyl Ether	ND	0.024	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(7.5-8.0)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00081	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Naphthalene	ND	0.0048	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2,3-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Trichloroethylene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Vinyl Chloride	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
o-Xylene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:22	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		93.1	70-130					10/7/23	7:22	
Toluene-d8		96.9	70-130					10/7/23	7:22	
4-Bromofluorobenzene		101	70-130					10/7/23	7:22	

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Project Location: 215 HIGHLAND PKWY, TONAW    Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(7.5-8.0)

Sampled: 10/4/2023 09:00

Sample ID: 23J0841-06

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(14.5-15.0)

Sampled: 10/4/2023 09:40

Sample ID: 23J0841-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Acrylonitrile	ND	0.0068	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Benzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Bromobenzene	ND	0.0023	0.00053	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Bromochloromethane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Bromodichloromethane	ND	0.0023	0.00059	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Bromoform	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Bromomethane	ND	0.011	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 7:48	MFF
2-Butanone (MEK)	ND	0.046	0.0071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.045	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
n-Butylbenzene	ND	0.0023	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
sec-Butylbenzene	ND	0.0023	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
tert-Butylbenzene	ND	0.0023	0.00098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00089	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Carbon Disulfide	ND	0.011	0.0091	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Carbon Tetrachloride	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Chlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Chlorodibromomethane	ND	0.0011	0.00072	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Chloroethane	ND	0.023	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Chloroform	ND	0.0046	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
2-Chlorotoluene	ND	0.0023	0.00057	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
4-Chlorotoluene	ND	0.0023	0.00051	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0023	0.00090	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Dibromomethane	ND	0.0023	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2-Dichlorobenzene	ND	0.0023	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,3-Dichlorobenzene	ND	0.0023	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,4-Dichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
trans-1,4-Dichloro-2-butene	ND	0.0046	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.023	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1-Dichloroethane	ND	0.0023	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2-Dichloroethane	ND	0.0023	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1-Dichloroethylene	ND	0.0046	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
cis-1,2-Dichloroethylene	ND	0.0023	0.00073	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
trans-1,2-Dichloroethylene	ND	0.0023	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2-Dichloropropane	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,3-Dichloropropane	ND	0.0011	0.00056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
2,2-Dichloropropane	ND	0.0023	0.00089	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1-Dichloropropene	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Diethyl Ether	ND	0.023	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(14.5-15.0)

Sampled: 10/4/2023 09:40

Sample ID: 23J0841-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,4-Dioxane	ND	0.11	0.052	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Ethylbenzene	ND	0.0023	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Hexachlorobutadiene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
2-Hexanone (MBK)	ND	0.023	0.0057	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Isopropylbenzene (Cumene)	ND	0.0023	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0023	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Methyl Acetate	ND	0.0023	0.0016	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0046	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Methyl Cyclohexane	ND	0.0023	0.00088	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Methylene Chloride	ND	0.023	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.023	0.0050	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Naphthalene	ND	0.0046	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
n-Propylbenzene	ND	0.0023	0.00055	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Styrene	ND	0.0023	0.00056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1,1,2-Tetrachloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Tetrachloroethylene	ND	0.0023	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Tetrahydrofuran	ND	0.011	0.0041	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Toluene	ND	0.0023	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2,3-Trichlorobenzene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2,4-Trichlorobenzene	ND	0.0023	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,3,5-Trichlorobenzene	ND	0.0023	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1,1-Trichloroethane	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1,2-Trichloroethane	ND	0.0023	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Trichloroethylene	ND	0.0023	0.00092	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2,3-Trichloropropane	ND	0.0023	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,2,4-Trimethylbenzene	ND	0.0023	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
1,3,5-Trimethylbenzene	ND	0.0023	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Vinyl Chloride	ND	0.011	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
m+p Xylene	ND	0.0046	0.0016	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
o-Xylene	ND	0.0023	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 7:48	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		93.8	70-130					10/7/23	7:48	
Toluene-d8		94.1	70-130					10/7/23	7:48	
4-Bromofluorobenzene		97.8	70-130					10/7/23	7:48	

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(14.5-15.0)

Sampled: 10/4/2023 09:40

Sample ID: 23J0841-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(23.5-24.0)

Sampled: 10/4/2023 10:15

Sample ID: 23J0841-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Acrylonitrile	ND	0.0076	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Benzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Bromobenzene	ND	0.0025	0.00059	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Bromochloromethane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Bromodichloromethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Bromoform	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 8:14	MFF
2-Butanone (MEK)	ND	0.051	0.0079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
n-Butylbenzene	ND	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Carbon Tetrachloride	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Chlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Chlorodibromomethane	ND	0.0013	0.00080	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Chloroform	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
2-Chlorotoluene	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
4-Chlorotoluene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Dibromomethane	ND	0.0025	0.00088	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1-Dichloroethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2-Dichloroethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1-Dichloroethylene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
cis-1,2-Dichloroethylene	ND	0.0025	0.00081	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
trans-1,2-Dichloroethylene	ND	0.0025	0.00092	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2-Dichloropropane	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,3-Dichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
2,2-Dichloropropane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(23.5-24.0)

Sampled: 10/4/2023 10:15

Sample ID: 23J0841-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Ethylbenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
2-Hexanone (MBK)	ND	0.025	0.0064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Methyl Cyclohexane	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Naphthalene	ND	0.0051	0.00091	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
n-Propylbenzene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Styrene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Tetrachloroethylene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Toluene	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00072	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Trichloroethylene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Vinyl Chloride	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
o-Xylene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:14	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		87.1	70-130					10/7/23	8:14	
Toluene-d8		96.4	70-130					10/7/23	8:14	
4-Bromofluorobenzene		93.0	70-130					10/7/23	8:14	

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Project Location: 215 HIGHLAND PKWY, TONAW      Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-7(23.5-24.0)

Sampled: 10/4/2023 10:15

Sample ID: 23J0841-08

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.015	0.12	0.011	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Acrylonitrile	ND	0.0074	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Benzene	0.0019	0.0025	0.00071	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Bromobenzene	ND	0.0025	0.00057	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Bromochloromethane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Bromodichloromethane	ND	0.0025	0.00064	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Bromoform	ND	0.0025	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
2-Butanone (MEK)	ND	0.049	0.0077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
n-Butylbenzene	ND	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Carbon Disulfide	ND	0.012	0.0098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Carbon Tetrachloride	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Chlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Chlorodibromomethane	ND	0.0012	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Chloroform	ND	0.0049	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
2-Chlorotoluene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
4-Chlorotoluene	ND	0.0025	0.00055	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Dibromomethane	ND	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
trans-1,4-Dichloro-2-butene	ND	0.0049	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2-Dichloroethane	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1-Dichloroethylene	ND	0.0049	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
cis-1,2-Dichloroethylene	0.27	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
trans-1,2-Dichloroethylene	0.0029	0.0025	0.00089	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2-Dichloropropane	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
2,2-Dichloropropane	ND	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-09

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,4-Dioxane	ND	0.12	0.056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Ethylbenzene	0.00081	0.0025	0.00073	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Hexachlorobutadiene	ND	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
2-Hexanone (MBK)	ND	0.025	0.0062	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0049	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Methyl Cyclohexane	0.0096	0.0025	0.00095	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Methylene Chloride	ND	0.025	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0054	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Naphthalene	ND	0.0049	0.00088	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
n-Propylbenzene	ND	0.0025	0.00059	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Styrene	ND	0.0025	0.00061	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Tetrachloroethylene	3.7	0.0025	0.0010	mg/Kg dry	1	E	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Tetrachloroethylene	23	0.68	0.11	mg/Kg dry	10		SW-846 8260D	10/7/23	10/10/23 5:20	EEH
Tetrahydrofuran	ND	0.012	0.0044	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Toluene	0.0065	0.0025	0.00083	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00074	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Trichloroethylene	0.21	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00092	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00094	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
Vinyl Chloride	ND	0.012	0.00091	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF
m+p Xylene	0.0031	0.0049	0.0017	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 8:40	MFF
o-Xylene	0.0028	0.0025	0.00068	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 8:40	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	109	70-130	10/10/23 5:20
1,2-Dichloroethane-d4	91.0	70-130	10/7/23 8:40
Toluene-d8	106	70-130	10/10/23 5:20
Toluene-d8	94.4	70-130	10/7/23 8:40
4-Bromofluorobenzene	103	70-130	10/10/23 5:20
4-Bromofluorobenzene	95.4	70-130	10/7/23 8:40

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Project Location: 215 HIGHLAND PKWY, TONAW    Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-09

Sample Matrix: Soil

**Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)**

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)DUP

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	0.038	0.13	0.011	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Acrylonitrile	ND	0.0075	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00086	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Benzene	0.0019	0.0025	0.00073	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Bromobenzene	ND	0.0025	0.00058	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Bromochloromethane	ND	0.0025	0.00098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Bromodichloromethane	ND	0.0025	0.00065	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Bromoform	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
2-Butanone (MEK)	ND	0.050	0.0078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
n-Butylbenzene	ND	0.0025	0.00082	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
sec-Butylbenzene	ND	0.0025	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
tert-Butylbenzene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.00098	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Carbon Tetrachloride	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Chlorobenzene	ND	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Chlorodibromomethane	ND	0.0013	0.00079	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Chloroethane	ND	0.025	0.0014	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Chloroform	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Chloromethane	ND	0.013	0.0012	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
2-Chlorotoluene	ND	0.0025	0.00063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
4-Chlorotoluene	ND	0.0025	0.00056	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0025	0.00099	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Dibromomethane	ND	0.0025	0.00087	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2-Dichlorobenzene	ND	0.0025	0.00066	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,3-Dichlorobenzene	ND	0.0025	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,4-Dichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
trans-1,4-Dichloro-2-butene	ND	0.0050	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.025	0.0013	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1-Dichloroethane	ND	0.0025	0.00086	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2-Dichloroethane	ND	0.0025	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1-Dichloroethylene	ND	0.0050	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
cis-1,2-Dichloroethylene	0.35	0.0025	0.00080	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
trans-1,2-Dichloroethylene	0.0033	0.0025	0.00091	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2-Dichloropropane	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,3-Dichloropropane	ND	0.0013	0.00062	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
2,2-Dichloropropane	ND	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1-Dichloropropene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Diethyl Ether	ND	0.025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF

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Project Location: 215 HIGHLAND PKWY, TONAW Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)DUP

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-10

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,4-Dioxane	ND	0.13	0.057	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Ethylbenzene	0.00075	0.0025	0.00075	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Hexachlorobutadiene	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
2-Hexanone (MBK)	ND	0.025	0.0063	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Isopropylbenzene (Cumene)	ND	0.0025	0.00078	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0025	0.00077	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Methyl Acetate	ND	0.0025	0.0018	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0050	0.00084	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Methyl Cyclohexane	0.0088	0.0025	0.00097	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Methylene Chloride	0.0020	0.025	0.0012	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.025	0.0055	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Naphthalene	ND	0.0050	0.00090	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
n-Propylbenzene	ND	0.0025	0.00060	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Styrene	ND	0.0025	0.00062	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1,1,2-Tetrachloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00069	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Tetrachloroethylene	4.1	0.0025	0.0011	mg/Kg dry	1	E	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Tetrachloroethylene	53	0.70	0.12	mg/Kg dry	10		SW-846 8260D	10/7/23	10/10/23 6:43	EEH
Tetrahydrofuran	ND	0.013	0.0045	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Toluene	0.0069	0.0025	0.00085	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2,3-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2,4-Trichlorobenzene	ND	0.0025	0.00076	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,3,5-Trichlorobenzene	ND	0.0025	0.00071	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1,1-Trichloroethane	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1,2-Trichloroethane	ND	0.0025	0.00067	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Trichloroethylene	0.22	0.0025	0.0010	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2,3-Trichloropropane	ND	0.0025	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,2,4-Trimethylbenzene	ND	0.0025	0.00096	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
1,3,5-Trimethylbenzene	ND	0.0025	0.00073	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
Vinyl Chloride	ND	0.013	0.00093	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF
m+p Xylene	0.0032	0.0050	0.0018	mg/Kg dry	1	J	SW-846 8260D	10/7/23	10/7/23 9:05	MFF
o-Xylene	0.0029	0.0025	0.00070	mg/Kg dry	1		SW-846 8260D	10/7/23	10/7/23 9:05	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	107	70-130	10/10/23 6:43
1,2-Dichloroethane-d4	92.4	70-130	10/7/23 9:05
Toluene-d8	103	70-130	10/10/23 6:43
Toluene-d8	93.3	70-130	10/7/23 9:05
4-Bromofluorobenzene	99.5	70-130	10/10/23 6:43
4-Bromofluorobenzene	94.0	70-130	10/7/23 9:05

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Project Location: 215 HIGHLAND PKWY, TONAW    Sample Description:

Work Order: 23J0841

Date Received: 10/5/2023

Field Sample #: MW-4(0-2)DUP

Sampled: 10/4/2023 12:45

Sample ID: 23J0841-10

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.7		% Wt	1		SM 2540G	10/11/23	10/11/23 11:45	AV

**Project:** NYSDEC Highland Plaza Site  
Soil Sampling  
**Laboratory:** Con-Test  
**Work Order No:** 23J0459  
**Fraction:** Organic  
**Matrix:** Soil  
**Report Date:** 9/3/2024

This data usability summary report is based upon a review of analytical data generated for soil samples. New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format data packages were provided by the laboratory.

The sample locations, laboratory identification numbers, sample collection dates, sample matrix, and analyses performed are presented in Table 1.

The sample was analyzed for volatile organic compounds. The sample analyses were performed in accordance with the procedures referenced at the end of this report.

All sample analyses have undergone an analytical validation review to ensure adherence to the required protocols. Results have been validated or qualified according to general guidance provided in the USEPA Region II "Validating Volatile Organic Compounds", HW-24, revision 4, October 2014. Region II references this guidance for validation requirements. The quality control requirements specified in the analysis method and associated acceptance criteria were also used to evaluate the data. The following parameters were evaluated.

- 
- X • Data Completeness
  - X • Chain of Custody Documentation/Sample Receipt
  - X • Holding Times
  - X • Instrument Performance
  - X • Initial and Continuing Calibrations
  - X • Laboratory and Field Blank Analysis Results
  - X • Surrogate Compound Recoveries
    - Summaries of Matrix Spike/Matrix Spike Duplicate Recoveries and Reproducibility
    - Field Duplicate Analysis Results
  - X • Laboratory Control Sample Results
  - X • Internal Standard Performance
  - X • Qualitative Identification
  - X • Quantitation/Reporting Limits
- 

X - Denotes parameter evaluated.

It is recommended that the data only be used according to the qualifiers presented, and discussed in this report. All other data should be considered qualitatively and quantitatively valid as reported by the laboratory, based on the items evaluated.

Report Approved By:



Shawne M. Rodgers  
President

September 3, 2024

## **1.0 DATA COMPLETENESS**

The data deliverables provided by the laboratory were New York State Department of Environmental Conservation Analytical Services Protocol (NYSDEC ASP) Category B format.

A completeness review of the data package revealed no following missing items or issues.

## **2.0 CHAIN OF CUSTODY DOCUMENTATION/SAMPLE RECEIPT**

The chain of custody was complete.

The samples were received in acceptable condition.

No qualifiers were applied.

## **3.0 HOLDING TIMES**

All criteria were met. No qualifiers were applied.

## **4.0 INSTRUMENT PERFORMANCE**

All criteria were met. No qualifiers were applied.

## **5.0 INITIAL AND CONTINUING CALIBRATIONS**

The continuing calibration precision criterion (the percent difference between initial and continuing RRFs  $\leq$  20 percent) was exceeded for the following continuing calibration standards. This indicates a lack of instrument stability for these compounds. The nondetect results for these compounds not previously qualified from the associated initial calibration in the samples have been marked "UJ" to indicate that they are quantitative estimates.

Calibration Standard	Analyte	%Difference	Associated Samples
S094426-CCV1 (File ID D23V27802.D)	Methyl Cyclohexane Tetrahydrofuran	22.6 22.6	All Samples

## 6.0 **LABORATORY AND FIELD BLANK ANALYSIS RESULTS**

No compounds were detected in the associated volatile laboratory method blank.

Trip, field, or equipment blanks were not submitted with the samples. This should be noted when assessing the data.

## 7.0 **SURROGATE COMPOUNDS**

All criteria were met. No qualifiers were applied.

## 8.0 **SUMMARIES OF MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERIES AND REPRODUCIBILITY**

The laboratory did not select a site sample to perform matrix spike/ matrix spike duplicate analyses. Therefore, the associated sample data could not be evaluated based on these parameters. This should be noted when assessing the sample data.

## 9.0 **FIELD DUPLICATE RESULTS**

Field duplicate samples were not submitted for this work order.

## 10.0 **LABORATORY CONTROL SAMPLE RESULTS**

The following table summarizes the volatile laboratory control sample (LCS)/ laboratory control sample duplicate (LCSD) results that did not meet the indicated acceptance limits:

Compound	LCS B354104-BS1 %REC	LCSD B354104- BSD1 %REC	QC Limits
Tetrahydrofuran	131		70-130

The unacceptable recoveries indicate inefficiencies with the sample analytical process. Positive results for the compounds are considered biased high quantitative estimates and may be lower than reported. All samples are associated with the unacceptable LCS/LCSD. Results for the compounds were qualified previously due to continuing calibration.

**11.0** *INTERNAL STANDARD PERFORMANCE*

All criteria were met. No qualifiers were applied.

**13.0** *QUALITATIVE IDENTIFICATION*

All criteria were met. No qualifiers were applied.

**14.0** *QUANTITATION/REPORTING LIMITS*

As required by USEPA protocol, all compounds, which were qualitatively identified at concentrations below their respective RLs, have been marked with "J" qualifiers to indicate that they are quantitative estimates.

## *METHODOLOGY REFERENCES*

Analysis	Reference
Volatile Organic Compounds	Method 8260D, "Test Methods for Evaluating Solid Wastes", SW-846, third edition, Promulgated Updates I, II, IIA, IIB, III, IIIA, IIIB, IVA, IVB, V, and VI, June 2018

Table 1 Data Usability Summary Report  
 NYSDEC Highland Plaza Site  
 Soil Sampling  
 Con-Test Work Order No. 23J0459

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Sample ID	Lab ID	Collection Date	Matrix	Analyses Performed
				8260D
MW-5R (1.0-1.5)	23J0459-01	2023/10/03 08:54:00	Soil	X
MW-5R (2.0-2.5)	23J0459-02	2023/10/03 09:10:00	Soil	X
MW-5R (3.5-4.0)	23J0459-03	2023/10/03 09:17:00	Soil	X
MW-5R (5.0-5.5)	23J0459-04	2023/10/03 09:21:00	Soil	X
MW-5R (6.0-6.5)	23J0459-05	2023/10/03 09:24:00	Soil	X
MW-5R (7.5-8.0)	23J0459-06	2023/10/03 09:26:00	Soil	X
MW-5R (14.5-15.0)	23J0459-07	2023/10/03 09:55:00	Soil	X
MW-5R (23.5-24.0)	23J0459-08	2023/10/03 10:30:00	Soil	X

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (1.0-1.5)

Sampled: 10/3/2023 08:54

Sample ID: 23J0459-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Acrylonitrile	ND	0.0072	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Benzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Bromochloromethane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 10:55	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Carbon Disulfide	ND	0.012	0.0096	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Dibromomethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (1.0-1.5)

Sampled: 10/3/2023 08:54

Sample ID: 23J0459-01

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Methyl Cyclohexane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Naphthalene	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Tetrachloroethylene	0.0032	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Toluene	0.0020	0.0024	0.00081	mg/Kg dry	1	J	SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
Vinyl Chloride	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 10:55	MFF

*Handwritten notes: "ND" and "cc-4" in red ink.*

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	91.4	70-130	10/5/23 10:55
Toluene-d8	94.6	70-130	10/5/23 10:55
4-Bromofluorobenzene	97.2	70-130	10/5/23 10:55

*Handwritten signature and date: "SMK 9/21/2024" in red ink.*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (1.0-1.5)

Sampled: 10/3/2023 08:54

Sample ID: 23J0459-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (2.0-2.5)

Sampled: 10/3/2023 09:10

Sample ID: 23J0459-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.13	0.012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Acrylonitrile	ND	0.0077	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Benzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Bromobenzene	ND	0.0026	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Bromochloromethane	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Bromodichloromethane	ND	0.0026	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Bromoform	ND	0.0026	0.00078	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Bromomethane	ND	0.013	0.0022	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 11:20	MFF
2-Butanone (MEK)	ND	0.051	0.0080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
tert-Butyl Alcohol (TBA)	ND	0.13	0.050	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
n-Butylbenzene	ND	0.0026	0.00083	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
sec-Butylbenzene	ND	0.0026	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
tert-Butylbenzene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0013	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Carbon Disulfide	ND	0.013	0.010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Carbon Tetrachloride	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Chlorobenzene	ND	0.0026	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Chlorodibromomethane	ND	0.0013	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Chloroethane	ND	0.026	0.0014	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Chloroform	ND	0.0051	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Chloromethane	ND	0.013	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
2-Chlorotoluene	ND	0.0026	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
4-Chlorotoluene	ND	0.0026	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0026	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2-Dibromoethane (EDB)	ND	0.0013	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Dibromomethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2-Dichlorobenzene	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,3-Dichlorobenzene	ND	0.0026	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,4-Dichlorobenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
trans-1,4-Dichloro-2-butene	ND	0.0051	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.026	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1-Dichloroethane	ND	0.0026	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2-Dichloroethane	ND	0.0026	0.00085	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1-Dichloroethylene	ND	0.0051	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
cis-1,2-Dichloroethylene	ND	0.0026	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
trans-1,2-Dichloroethylene	ND	0.0026	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2-Dichloropropane	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,3-Dichloropropane	ND	0.0013	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
2,2-Dichloropropane	ND	0.0026	0.00099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1-Dichloropropene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
cis-1,3-Dichloropropene	ND	0.0013	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
trans-1,3-Dichloropropene	ND	0.0013	0.00078	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Diethyl Ether	ND	0.026	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (2.0-2.5)

Sampled: 10/3/2023 09:10

Sample ID: 23J0459-02

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0013	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,4-Dioxane	ND	0.13	0.058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Ethylbenzene	ND	0.0026	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Hexachlorobutadiene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
2-Hexanone (MBK)	ND	0.026	0.0064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Isopropylbenzene (Cumene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0026	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Methyl Acetate	ND	0.0026	0.0018	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0051	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Methyl Cyclohexane	ND	0.0026	0.00099	mg/Kg dry	1	cell	SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Methylene Chloride	ND	0.026	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.026	0.0056	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Naphthalene	ND	0.013	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
n-Propylbenzene	ND	0.0026	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Styrene	ND	0.0026	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1,1,2-Tetrachloroethane	ND	0.0026	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1,2,2-Tetrachloroethane	ND	0.0013	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Tetrachloroethylene	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Tetrahydrofuran	ND	0.013	0.0046	mg/Kg dry	1	cell	SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Toluene	ND	0.0026	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2,3-Trichlorobenzene	ND	0.0051	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2,4-Trichlorobenzene	ND	0.0026	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,3,5-Trichlorobenzene	ND	0.0026	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1,1-Trichloroethane	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1,2-Trichloroethane	ND	0.0026	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Trichloroethylene	0.0012	0.0026	0.0010	mg/Kg dry	1	J	SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Trichlorofluoromethane (Freon 11)	ND	0.013	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2,3-Trichloropropane	ND	0.0026	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.013	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,2,4-Trimethylbenzene	ND	0.0026	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
1,3,5-Trimethylbenzene	ND	0.0026	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
Vinyl Chloride	ND	0.013	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
m+p Xylene	ND	0.0051	0.0018	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF
o-Xylene	ND	0.0026	0.00071	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:20	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	95.2	70-130	10/5/23 11:20
Toluene-d8	96.1	70-130	10/5/23 11:20
4-Bromofluorobenzene	96.5	70-130	10/5/23 11:20

*SMK*  
*9/21/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (2.0-2.5)

Sampled: 10/3/2023 09:10

Sample ID: 23J0459-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (3.5-4.0)

Sampled: 10/3/2023 09:17

Sample ID: 23J0459-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Acrylonitrile	ND	0.0072	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 11:46	MFF
2-Butanone (MEK)	ND	0.048	0.0075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Carbon Disulfide	ND	0.012	0.0096	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Carbon Tetrachloride	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Chlorodibromomethane	ND	0.0012	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Chloroform	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1-Dichloroethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2-Dichloroethane	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1-Dichloroethylene	ND	0.0048	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
2,2-Dichloropropane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Diethyl Ether	ND	0.024	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (3.5-4.0)

Sampled: 10/3/2023 09:17

Sample ID: 23J0459-03

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Methyl Cyclohexane	ND <i>CLJ</i>	0.0024	0.00093	mg/Kg dry	1	<i>CLJ</i>	SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Naphthalene	ND	0.012	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Tetrachloroethylene	0.0023	0.0024	0.0010	mg/Kg dry	1	J	SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Tetrahydrofuran	ND <i>CLJ</i>	0.012	0.0043	mg/Kg dry	1	<i>CLJ</i>	SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Toluene	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Trichloroethylene	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 11:46	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	98.1	70-130	10/5/23 11:46
Toluene-d8	95.2	70-130	10/5/23 11:46
4-Bromofluorobenzene	99.1	70-130	10/5/23 11:46

*SMK*  
*9/27/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (3.5-4.0)

Sampled: 10/3/2023 09:17

Sample ID: 23J0459-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.0		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (5.0-5.5)

Sampled: 10/3/2023 09:21

Sample ID: 23J0459-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Bromoform	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 12:11	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
n-Butylbenzene	ND	0.0024	0.00078	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Chlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,3-Dichloropropane	ND	0.0012	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (5.0-5.5)

Sampled: 10/3/2023 09:21

Sample ID: 23J0459-04

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Tetrachloroethylene	0.0017	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:11	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	94.5	70-130	10/5/23 12:11
Toluene-d8	95.8	70-130	10/5/23 12:11
4-Bromofluorobenzene	98.4	70-130	10/5/23 12:11

*SMK  
9/21/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (5.0-5.5)

Sampled: 10/3/2023 09:21

Sample ID: 23J0459-04

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.9		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (6.0-6.5)

Sampled: 10/3/2023 09:24

Sample ID: 23J0459-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

**Volatile Organic Compounds by GC/MS**

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 12:37	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (6.0-6.5)

Sampled: 10/3/2023 09:24

Sample ID: 23J0459-05

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
2-Hexanone (MBK)	ND	0.024	0.0060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Styrene	ND	0.0024	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Tetrachloroethylene	0.0040	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Vinyl Chloride	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 12:37	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		88.5	70-130						10/5/23 12:37	
Toluene-d8		96.0	70-130						10/5/23 12:37	
4-Bromofluorobenzene		97.8	70-130						10/5/23 12:37	

*SMK*  
*9/21/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (6.0-6.5)

Sampled: 10/3/2023 09:24

Sample ID: 23J0459-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.6		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (7.5-8.0)

Sampled: 10/3/2023 09:26

Sample ID: 23J0459-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Acrylonitrile	ND	0.0071	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Benzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Bromobenzene	ND	0.0024	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Bromochloromethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Bromodichloromethane	ND	0.0024	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Bromoform	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Bromomethane	ND	0.012	0.0020	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 13:02	MFF
2-Butanone (MEK)	ND	0.047	0.0074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.047	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
n-Butylbenzene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Carbon Disulfide	ND	0.012	0.0095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Carbon Tetrachloride	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Chlorobenzene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Chlorodibromomethane	ND	0.0012	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Chloroform	ND	0.0047	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
2-Chlorotoluene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
4-Chlorotoluene	ND	0.0024	0.00053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Dibromomethane	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
trans-1,4-Dichloro-2-butene	ND	0.0047	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2-Dichloroethane	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1-Dichloroethylene	ND	0.0047	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2-Dichloropropane	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,3-Dichloropropane	ND	0.0012	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
2,2-Dichloropropane	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1-Dichloropropene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Diethyl Ether	ND	0.024	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (7.5-8.0)

Sampled: 10/3/2023 09:26

Sample ID: 23J0459-06

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,4-Dioxane	ND	0.12	0.054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Ethylbenzene	ND	0.0024	0.00071	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Hexachlorobutadiene	ND	0.0024	0.00099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
2-Hexanone (MBK)	ND	0.024	0.0059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0047	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Methyl Cyclohexane	ND	0.0024	0.00092	mg/Kg dry	1	CC4	SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Methylene Chloride	ND	0.024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0052	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Naphthalene	ND	0.012	0.00085	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
n-Propylbenzene	ND	0.0024	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Styrene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Tetrachloroethylene	0.0050	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Tetrahydrofuran	ND	0.012	0.0042	mg/Kg dry	1	CC4	SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Toluene	ND	0.0024	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2,3-Trichlorobenzene	ND	0.0047	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00091	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Trichloroethylene	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00090	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Vinyl Chloride	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
m+p Xylene	ND	0.0047	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
o-Xylene	ND	0.0024	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:02	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		92.2	70-130						10/5/23 13:02	
Toluene-d8		95.5	70-130						10/5/23 13:02	
4-Bromofluorobenzene		97.8	70-130						10/5/23 13:02	

*SMK*  
*9/21/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (7.5-8.0)

Sampled: 10/3/2023 09:26

Sample ID: 23J0459-06

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (14.5-15.0)

Sampled: 10/3/2023 09:55

Sample ID: 23J0459-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.12	0.011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Acrylonitrile	ND	0.0073	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0012	0.00083	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Benzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Bromobenzene	ND	0.0024	0.00056	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Bromochloromethane	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Bromodichloromethane	ND	0.0024	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Bromoform	ND	0.0024	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Bromomethane	ND	0.012	0.0021	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 13:28	MFF
2-Butanone (MEK)	ND	0.048	0.0076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
tert-Butyl Alcohol (TBA)	ND	0.12	0.048	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
n-Butylbenzene	ND	0.0024	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
sec-Butylbenzene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
tert-Butylbenzene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0012	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Carbon Disulfide	ND	0.012	0.0097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Carbon Tetrachloride	ND	0.0024	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Chlorobenzene	ND	0.0024	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Chlorodibromomethane	ND	0.0012	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Chloroethane	ND	0.024	0.0013	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Chloroform	ND	0.0048	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Chloromethane	ND	0.012	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
2-Chlorotoluene	ND	0.0024	0.00061	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
4-Chlorotoluene	ND	0.0024	0.00054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0024	0.00096	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2-Dibromoethane (EDB)	ND	0.0012	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Dibromomethane	ND	0.0024	0.00084	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2-Dichlorobenzene	ND	0.0024	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,3-Dichlorobenzene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,4-Dichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
trans-1,4-Dichloro-2-butene	ND	0.0048	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1-Dichloroethane	ND	0.0024	0.00083	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2-Dichloroethane	ND	0.0024	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1-Dichloroethylene	ND	0.0048	0.00099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
cis-1,2-Dichloroethylene	ND	0.0024	0.00077	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
trans-1,2-Dichloroethylene	ND	0.0024	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2-Dichloropropane	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,3-Dichloropropane	ND	0.0012	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
2,2-Dichloropropane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1-Dichloropropene	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
cis-1,3-Dichloropropene	ND	0.0012	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
trans-1,3-Dichloropropene	ND	0.0012	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Diethyl Ether	ND	0.024	0.00099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (14.5-15.0)

Sampled: 10/3/2023 09:55

Sample ID: 23J0459-07

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0012	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,4-Dioxane	ND	0.12	0.055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Ethylbenzene	ND	0.0024	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Hexachlorobutadiene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
2-Hexanone (MBK)	ND	0.024	0.0061	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Isopropylbenzene (Cumene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0024	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Methyl Acetate	ND	0.0024	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0048	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Methyl Cyclohexane	ND	0.0024	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Methylene Chloride	ND	0.024	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.024	0.0053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Naphthalene	ND	0.012	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
n-Propylbenzene	ND	0.0024	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Styrene	ND	0.0024	0.00060	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1,1,2-Tetrachloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1,2,2-Tetrachloroethane	ND	0.0012	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Tetrachloroethylene	ND	0.0024	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Tetrahydrofuran	ND	0.012	0.0043	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Toluene	ND	0.0024	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2,3-Trichlorobenzene	ND	0.0048	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2,4-Trichlorobenzene	ND	0.0024	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,3,5-Trichlorobenzene	ND	0.0024	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1,1-Trichloroethane	ND	0.0024	0.00093	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1,2-Trichloroethane	ND	0.0024	0.00065	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Trichloroethylene	ND	0.0024	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Trichlorofluoromethane (Freon 11)	ND	0.012	0.00090	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2,3-Trichloropropane	ND	0.0024	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.012	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,2,4-Trimethylbenzene	ND	0.0024	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
1,3,5-Trimethylbenzene	ND	0.0024	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Vinyl Chloride	ND	0.012	0.00089	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
m+p Xylene	ND	0.0048	0.0017	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
o-Xylene	ND	0.0024	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:28	MFF
Surrogates		% Recovery	Recovery Limits			Flag/Qual				
1,2-Dichloroethane-d4		94.3	70-130						10/5/23 13:28	
Toluene-d8		95.3	70-130						10/5/23 13:28	
4-Bromofluorobenzene		97.8	70-130						10/5/23 13:28	

*SMK*  
*9/21/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (14.5-15.0)

Sampled: 10/3/2023 09:55

Sample ID: 23J0459-07

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.7		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (23.5-24.0)

Sampled: 10/3/2023 10:30

Sample ID: 23J0459-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acetone	ND	0.11	0.0099	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Acrylonitrile	ND	0.0066	0.00098	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
tert-Amyl Methyl Ether (TAME)	ND	0.0011	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Benzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Bromobenzene	ND	0.0022	0.00051	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Bromochloromethane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Bromodichloromethane	ND	0.0022	0.00057	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Bromoform	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Bromomethane	ND	0.011	0.0019	mg/Kg dry	1	V-34	SW-846 8260D	10/5/23	10/5/23 13:53	MFF
2-Butanone (MEK)	ND	0.044	0.0069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
tert-Butyl Alcohol (TBA)	ND	0.11	0.043	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
n-Butylbenzene	ND	0.0022	0.00072	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
sec-Butylbenzene	ND	0.0022	0.0010	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
tert-Butylbenzene	ND	0.0022	0.00094	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
tert-Butyl Ethyl Ether (TBEE)	ND	0.0011	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Carbon Disulfide	ND	0.011	0.0088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Carbon Tetrachloride	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Chlorobenzene	ND	0.0022	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Chlorodibromomethane	ND	0.0011	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Chloroethane	ND	0.022	0.0012	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Chloroform	ND	0.0044	0.00069	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Chloromethane	ND	0.011	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
2-Chlorotoluene	ND	0.0022	0.00055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
4-Chlorotoluene	ND	0.0022	0.00049	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2-Dibromo-3-chloropropane (DBCP)	ND	0.0022	0.00087	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2-Dibromoethane (EDB)	ND	0.0011	0.00084	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Dibromomethane	ND	0.0022	0.00076	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2-Dichlorobenzene	ND	0.0022	0.00058	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,3-Dichlorobenzene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,4-Dichlorobenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
trans-1,4-Dichloro-2-butene	ND	0.0044	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Dichlorodifluoromethane (Freon 12)	ND	0.022	0.0011	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1-Dichloroethane	ND	0.0022	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2-Dichloroethane	ND	0.0022	0.00073	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1-Dichloroethylene	ND	0.0044	0.00090	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
cis-1,2-Dichloroethylene	ND	0.0022	0.00070	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
trans-1,2-Dichloroethylene	ND	0.0022	0.00080	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2-Dichloropropane	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,3-Dichloropropane	ND	0.0011	0.00054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
2,2-Dichloropropane	ND	0.0022	0.00086	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1-Dichloropropene	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
cis-1,3-Dichloropropene	ND	0.0011	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
trans-1,3-Dichloropropene	ND	0.0011	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Diethyl Ether	ND	0.022	0.00090	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (23.5-24.0)

Sampled: 10/3/2023 10:30

Sample ID: 23J0459-08

Sample Matrix: Soil

Sample Flags: PR-03, PR-15

Volatile Organic Compounds by GC/MS

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Diisopropyl Ether (DIPE)	ND	0.0011	0.00075	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,4-Dioxane	ND	0.11	0.050	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Ethylbenzene	ND	0.0022	0.00066	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Hexachlorobutadiene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
2-Hexanone (MBK)	ND	0.022	0.0055	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Isopropylbenzene (Cumene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
p-Isopropyltoluene (p-Cymene)	ND	0.0022	0.00068	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Methyl Acetate	ND	0.0022	0.0016	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Methyl tert-Butyl Ether (MTBE)	ND	0.0044	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Methyl Cyclohexane	ND	0.0022	0.00085	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Methylene Chloride	ND	0.022	0.0011	mg/Kg dry	1	CLH	SW-846 8260D	10/5/23	10/5/23 13:53	MFF
4-Methyl-2-pentanone (MIBK)	ND	0.022	0.0049	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Naphthalene	ND	0.011	0.00079	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
n-Propylbenzene	ND	0.0022	0.00053	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Styrene	ND	0.0022	0.00054	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1,1,2-Tetrachloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1,2,2-Tetrachloroethane	ND	0.0011	0.00061	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Tetrachloroethylene	ND	0.0022	0.00092	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Tetrahydrofuran	ND	0.011	0.0039	mg/Kg dry	1	CLH	SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Toluene	ND	0.0022	0.00074	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2,3-Trichlorobenzene	ND	0.0044	0.00062	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2,4-Trichlorobenzene	ND	0.0022	0.00067	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,3,5-Trichlorobenzene	ND	0.0022	0.00063	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1,1-Trichloroethane	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1,2-Trichloroethane	ND	0.0022	0.00059	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Trichloroethylene	ND	0.0022	0.00088	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Trichlorofluoromethane (Freon 11)	ND	0.011	0.00082	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2,3-Trichloropropane	ND	0.0022	0.00097	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.011	0.00095	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,2,4-Trimethylbenzene	ND	0.0022	0.00084	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
1,3,5-Trimethylbenzene	ND	0.0022	0.00064	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
Vinyl Chloride	ND	0.011	0.00081	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
m+p Xylene	ND	0.0044	0.0016	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF
o-Xylene	ND	0.0022	0.00061	mg/Kg dry	1		SW-846 8260D	10/5/23	10/5/23 13:53	MFF

Surrogates	% Recovery	Recovery Limits	Flag/Qual
1,2-Dichloroethane-d4	91.9	70-130	10/5/23 13:53
Toluene-d8	94.3	70-130	10/5/23 13:53
4-Bromofluorobenzene	97.8	70-130	10/5/23 13:53

*SMK*  
*9/27/2024*

39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Project Location: 215 Highland Parkway, Tonawand

Sample Description:

Work Order: 23J0459

Date Received: 10/4/2023

Field Sample #: MW-5R (23.5-24.0)

Sampled: 10/3/2023 10:30

Sample ID: 23J0459-08

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/PHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	10/10/23	10/10/23 7:27	AV

# **GROUNDWATER SAMPLES**

# Data Usability Summary Report

Vali-Data of WNY, LLC  
20 Hickory Grove Spur  
Fulton, NY 13069

NYSDEC: Highland Plaza #0924016  
Eurofins Environmental Testing SDG#480-222377-1  
November 15, 2024  
Revised: November 15, 2024  
Sampling date: 8/6, 7/2024

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Fulton, NY 13069

NYSDEC: Highland Plaza #0924016  
SDG# 480-222377-1

## **DELIVERABLES**

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (revised November 15, 2024) for Groundwater and Environmental Services, Inc. project located at NYSDEC: Highland Plaza #0924016, SDG#480-222377-1 submitted to Vali-Data of WNY, LLC on October 7, 2024. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C) and Inorganics/Mercury (200.7 Rev. 4.4. 245.1).

<b>ID</b>	<b>Sample ID</b>	<b>Laboratory ID</b>
1	MW-01	480-222377-1
2	MW-02	480-222377-2
3	MW-03	480-222377-3
4	MW-04	480-222377-4
5	MW-05R	480-222377-5
6	MW-06	480-222377-6
7	MW-07	480-222377-7
8	DRUM	480-222377-8
9	DUP	480-222377-9

## **VOLATILE ORGANIC COMPOUNDS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Sample Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

NYSDEC: Highland Plaza #0924016

SDG# 480-222377-1

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use.

Samples: DUSR ID#4 and #8 were diluted due to high target analyte concentrations.

### **DATA COMPLETENESS**

All criteria were met.

### **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

### **CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

### **HOLDING TIMES**

All holding times were met except the pH of DUSR ID#6 and #9 was outside QC limits. These samples were analyzed within 7 days, so no further action is required.

### **INTERNAL STANDARD (IS)**

All criteria were met.

### **SURROGATE SPIKE RECOVERIES**

All criteria were met.

### **METHOD BLANK**

All criteria were met.

### **FIELD DUPLICATE SAMPLE PRECISION**

All criteria were met except Acetone was detected in DUSR ID#9 but was not detected in #6.

### **LABORATORY CONTROL SAMPLES**

All criteria were met.

### **MS/MSD**

All criteria were met.

### **COMPOUND QUANTITATION**

All criteria were met.

### **INITIAL CALIBRATION**

All criteria were met.

Alternate forms of regression were used on some of the target analytes with acceptable results, so no further action is required.

## **CONTINUING CALIBRATION**

All criteria were met.

## **GC/MS PERFORMANCE CHECK**

All criteria were met.

## **METALS**

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Blanks
- Laboratory Control Sample
- MS/MSD/Duplicate
- Field Duplicate
- Serial Dilution
- Compound Quantitation
- Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

## **OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES**

The data are acceptable for use except where qualified below in Calibration.

Samples: DUSR ID#1-3, #6 and #9 were diluted in the Hg analysis due to interferences.

## **DATA COMPLETENESS**

All criteria were met.

## **NARRATIVE AND DATA REPORTING FORMS**

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

## **CHAIN OF CUSTODY AND TRAFFIC REPORTS**

All criteria were met.

## **HOLDING TIMES**

All holding times were met except the pH of the samples arrived at the laboratory outside QC

limits. The pH was adjusted to <2, so no further action is required.

**BLANKS**

All criteria were met.

**LABORATORY CONTROL SAMPLE**

All criteria were met.

**MS/MSD/DUPLICATE**

All criteria were met.

**FIELD DUPLICATE**

All criteria were met except Sb was detected in DUSR ID#9 but was not detected in #6.

**SERIAL DILUTION**

All criteria were met.

**COMPOUND QUANTITATION**

All criteria were met.

**CALIBRATION**

All criteria were met except a target analyte was outside QC limits in a interference check standard and should be qualified as estimated in the associated samples, blanks and spikes.

ICS ID	Target Analyte	%Rec	Qualifier	Associated Sample
ICSAB 480-721448/10	Fe	84	UJ/J	480-721282, 1-7, 9, 5MS/MSD

**Job Narrative  
480-222377-1**

**Revision 1**

The report being provided is a revision of the original report sent on 8/16/2024. The report (Revision 1) was revised to include missing QC data and to remove chain of custody from an unrelated project.

**Receipt**

The samples were received on 8/7/2024 4:13 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 3.2° C.

**GC/MS VOA**

Method 8260C: The following sample(s) was collected in a properly preserved vial; however, the pH was outside the required criteria when verified by the laboratory. The samples were analyzed within the 7-day holding time specified for unpreserved samples: MW-06 (480-222377-6) and DUP (480-222377-9).

Method 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4). Elevated reporting limits (RLs) are provided.

Method 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: MW-04 (480-222377-4) and DRUM (480-222377-8). Elevated reporting limits (RLs) are provided.

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

**Metals**

Method 200.7: The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation at a pH of >2. The sample(s) was preserved to the appropriate pH in the laboratory on 08-08-2024 at 1459. Second check 08-09-2024 at 1500.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-1. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 2x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-2. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-3. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 50x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-6. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

Method 245.1: Due to interference with the sample matrix, the standard mercury preparation procedure was inadequate for the following samples(s): 480-222377-9. This was demonstrated when the potassium permanganate reagent was added and the characteristic purple color faded rapidly. This loss of color indicates oxidizing conditions were not maintained. The sample(s) was prepared and analyzed at a 3x dilution, which maintained the purple color during digestion.

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

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**

**Lab Sample ID: 480-222377-1**

**Date Collected: 08/06/24 09:03**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 22:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 22:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 22:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 22:40	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 22:40	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 22:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 22:40	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 22:40	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 22:40	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 22:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 22:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 22:40	1
Acetone	ND		10	3.0	ug/L			08/12/24 22:40	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 22:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 22:40	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 22:40	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 22:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 22:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 22:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 22:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 22:40	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 22:40	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 22:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 22:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 22:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 22:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 22:40	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 22:40	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 22:40	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 22:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 22:40	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 22:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 22:40	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 22:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 22:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 22:40	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 22:40	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 22:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 22:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 22:40	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-01**  
**Date Collected: 08/06/24 09:03**  
**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-1**  
**Matrix: Water**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		77 - 120		08/12/24 22:40	1
Toluene-d8 (Surr)	102		80 - 120		08/12/24 22:40	1
4-Bromofluorobenzene (Surr)	95		73 - 120		08/12/24 22:40	1
Dibromofluoromethane (Surr)	96		75 - 123		08/12/24 22:40	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21.6		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:43	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1
Arsenic	0.011	J	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:43	1
Barium	0.45		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:43	1
Beryllium	0.00095	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:43	1
Calcium	254		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:43	1
Chromium	0.033		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:43	1
Cobalt	0.0095		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:43	1
Copper	0.041		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:43	1
Iron	24.8		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:43	1
Lead	0.023		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:43	1
Magnesium	202		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:43	1
Manganese	0.63		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:43	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:43	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:43	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:43	1
Sodium	418		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:43	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:43	1
Vanadium	0.034		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:43	1
Zinc	0.13		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:43	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:50	1

**Client Sample ID: MW-02**  
**Date Collected: 08/07/24 07:30**  
**Date Received: 08/07/24 16:13**

**Lab Sample ID: 480-222377-2**  
**Matrix: Water**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:03	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:03	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:03	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-02**

**Lab Sample ID: 480-222377-2**

**Date Collected: 08/07/24 07:30**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:03	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:03	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:03	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:03	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:03	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:03	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:03	1
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:03	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:03	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/12/24 23:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:03	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:03	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:03	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:03	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:03	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:03	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:03	1
Trichloroethene	ND		1.0	0.46	ug/L			08/12/24 23:03	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		77 - 120		08/12/24 23:03	1
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:03	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/12/24 23:03	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:03	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>34.2</b>		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:45	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1
<b>Arsenic</b>	<b>0.015</b>		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:45	1
<b>Barium</b>	<b>0.32</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:45	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-02**

**Lab Sample ID: 480-222377-2**

Date Collected: 08/07/24 07:30

Matrix: Water

Date Received: 08/07/24 16:13

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.0015	J	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cadmium	0.00068	J	0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:45	1
Calcium	152		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:45	1
Chromium	0.063		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:45	1
Cobalt	0.019		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:45	1
Copper	0.032		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:45	1
Iron	48.2		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:45	1
Lead	0.026		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:45	1
Magnesium	140		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:45	1
Manganese	0.95		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Nickel	0.048		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:45	1
Potassium	14.7		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:45	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:45	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:45	1
Sodium	41.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:45	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:45	1
Vanadium	0.064		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:45	1
Zinc	0.15		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:45	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 14:51	1

**Client Sample ID: MW-03**

**Lab Sample ID: 480-222377-3**

Date Collected: 08/07/24 08:40

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/12/24 23:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/12/24 23:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/12/24 23:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/12/24 23:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/12/24 23:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/12/24 23:27	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/12/24 23:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/12/24 23:27	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/12/24 23:27	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/12/24 23:27	1
2-Hexanone	ND		5.0	1.2	ug/L			08/12/24 23:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/12/24 23:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/12/24 23:27	1
Acetone	ND		10	3.0	ug/L			08/12/24 23:27	1
Benzene	ND		1.0	0.41	ug/L			08/12/24 23:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/12/24 23:27	1
Bromoform	ND		1.0	0.26	ug/L			08/12/24 23:27	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-03**

**Lab Sample ID: 480-222377-3**

**Date Collected: 08/07/24 08:40**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		1.0	0.69	ug/L			08/12/24 23:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/12/24 23:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/12/24 23:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/12/24 23:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroethane	ND		1.0	0.32	ug/L			08/12/24 23:27	1
Chloroform	ND		1.0	0.34	ug/L			08/12/24 23:27	1
Chloromethane	ND		1.0	0.35	ug/L			08/12/24 23:27	1
<b>cis-1,2-Dichloroethene</b>	<b>7.9</b>		1.0	0.81	ug/L			08/12/24 23:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Cyclohexane	ND		1.0	0.18	ug/L			08/12/24 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/12/24 23:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/12/24 23:27	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/12/24 23:27	1
Methyl acetate	ND		2.5	1.3	ug/L			08/12/24 23:27	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/12/24 23:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/12/24 23:27	1
Styrene	ND		1.0	0.73	ug/L			08/12/24 23:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/12/24 23:27	1
Toluene	ND		1.0	0.51	ug/L			08/12/24 23:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/12/24 23:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/12/24 23:27	1
<b>Trichloroethene</b>	<b>0.46</b>	<b>J</b>	1.0	0.46	ug/L			08/12/24 23:27	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/12/24 23:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/12/24 23:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/12/24 23:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		77 - 120		08/12/24 23:27	1
Toluene-d8 (Surr)	108		80 - 120		08/12/24 23:27	1
4-Bromofluorobenzene (Surr)	102		73 - 120		08/12/24 23:27	1
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:27	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>17.4</b>		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:47	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Arsenic</b>	<b>0.0082</b>	<b>J</b>	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Barium</b>	<b>0.18</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Beryllium</b>	<b>0.00076</b>	<b>J</b>	0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:47	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Calcium</b>	<b>108</b>		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Chromium</b>	<b>0.026</b>		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Cobalt</b>	<b>0.0089</b>		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Copper</b>	<b>0.017</b>		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Iron</b>	<b>22.6</b>		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Lead</b>	<b>0.0088</b>	<b>J</b>	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Magnesium</b>	<b>142</b>		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:47	1
<b>Manganese</b>	<b>0.49</b>		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-03**

**Lab Sample ID: 480-222377-3**

**Date Collected: 08/07/24 08:40**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.024		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:47	1
Potassium	9.9		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:47	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:47	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:47	1
Sodium	60.5		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:47	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:47	1
Vanadium	0.032		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:47	1
Zinc	0.069		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:47	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00040	0.000084	mg/L		08/12/24 11:18	08/12/24 14:53	1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		800	660	ug/L			08/12/24 23:50	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,1,2-Trichloroethane	ND		800	180	ug/L			08/12/24 23:50	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250	ug/L			08/12/24 23:50	800
1,1-Dichloroethane	ND		800	300	ug/L			08/12/24 23:50	800
1,1-Dichloroethene	ND		800	230	ug/L			08/12/24 23:50	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			08/12/24 23:50	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			08/12/24 23:50	800
1,2-Dibromoethane	ND		800	580	ug/L			08/12/24 23:50	800
1,2-Dichlorobenzene	ND		800	630	ug/L			08/12/24 23:50	800
1,2-Dichloroethane	ND		800	170	ug/L			08/12/24 23:50	800
1,2-Dichloropropane	ND		800	580	ug/L			08/12/24 23:50	800
1,3-Dichlorobenzene	ND		800	620	ug/L			08/12/24 23:50	800
1,4-Dichlorobenzene	ND		800	670	ug/L			08/12/24 23:50	800
2-Hexanone	ND		4000	990	ug/L			08/12/24 23:50	800
2-Butanone (MEK)	ND		8000	1100	ug/L			08/12/24 23:50	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			08/12/24 23:50	800
Acetone	ND		8000	2400	ug/L			08/12/24 23:50	800
Benzene	ND		800	330	ug/L			08/12/24 23:50	800
Bromodichloromethane	ND		800	310	ug/L			08/12/24 23:50	800
Bromoform	ND		800	210	ug/L			08/12/24 23:50	800
Bromomethane	ND		800	550	ug/L			08/12/24 23:50	800
Carbon disulfide	ND		800	150	ug/L			08/12/24 23:50	800
Carbon tetrachloride	ND		800	220	ug/L			08/12/24 23:50	800
Chlorobenzene	ND		800	600	ug/L			08/12/24 23:50	800
Dibromochloromethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroethane	ND		800	260	ug/L			08/12/24 23:50	800
Chloroform	ND		800	270	ug/L			08/12/24 23:50	800
Chloromethane	ND		800	280	ug/L			08/12/24 23:50	800
cis-1,2-Dichloroethene	5000		800	650	ug/L			08/12/24 23:50	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			08/12/24 23:50	800

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		800	140	ug/L			08/12/24 23:50	800
Dichlorodifluoromethane	ND		800	540	ug/L			08/12/24 23:50	800
Ethylbenzene	ND		800	590	ug/L			08/12/24 23:50	800
Isopropylbenzene	ND		800	630	ug/L			08/12/24 23:50	800
Methyl acetate	ND		2000	1000	ug/L			08/12/24 23:50	800
Methyl tert-butyl ether	ND		800	130	ug/L			08/12/24 23:50	800
Methylcyclohexane	ND		800	130	ug/L			08/12/24 23:50	800
Methylene Chloride	ND		800	350	ug/L			08/12/24 23:50	800
Styrene	ND		800	580	ug/L			08/12/24 23:50	800
<b>Tetrachloroethene</b>	<b>81000</b>	<b>E</b>	800	290	ug/L			08/12/24 23:50	800
Toluene	ND		800	410	ug/L			08/12/24 23:50	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			08/12/24 23:50	800
trans-1,3-Dichloropropene	ND		800	300	ug/L			08/12/24 23:50	800
<b>Trichloroethene</b>	<b>5200</b>		800	370	ug/L			08/12/24 23:50	800
Trichlorofluoromethane	ND		800	700	ug/L			08/12/24 23:50	800
Vinyl chloride	ND		800	720	ug/L			08/12/24 23:50	800
Xylenes, Total	ND		1600	530	ug/L			08/12/24 23:50	800

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		77 - 120		08/12/24 23:50	800
Toluene-d8 (Surr)	107		80 - 120		08/12/24 23:50	800
4-Bromofluorobenzene (Surr)	100		73 - 120		08/12/24 23:50	800
Dibromofluoromethane (Surr)	101		75 - 123		08/12/24 23:50	800

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,1,1,2-Tetrachloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,1,2-Trichloroethane	ND		2000	460	ug/L			08/13/24 15:18	2000
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2000	620	ug/L			08/13/24 15:18	2000
1,1-Dichloroethane	ND		2000	760	ug/L			08/13/24 15:18	2000
1,1-Dichloroethene	ND		2000	580	ug/L			08/13/24 15:18	2000
1,2,4-Trichlorobenzene	ND		2000	820	ug/L			08/13/24 15:18	2000
1,2-Dibromo-3-Chloropropane	ND		2000	780	ug/L			08/13/24 15:18	2000
1,2-Dibromoethane	ND		2000	1500	ug/L			08/13/24 15:18	2000
1,2-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,2-Dichloroethane	ND		2000	420	ug/L			08/13/24 15:18	2000
1,2-Dichloropropane	ND		2000	1400	ug/L			08/13/24 15:18	2000
1,3-Dichlorobenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
1,4-Dichlorobenzene	ND		2000	1700	ug/L			08/13/24 15:18	2000
2-Hexanone	ND		10000	2500	ug/L			08/13/24 15:18	2000
2-Butanone (MEK)	ND		20000	2600	ug/L			08/13/24 15:18	2000
4-Methyl-2-pentanone (MIBK)	ND		10000	4200	ug/L			08/13/24 15:18	2000
Acetone	ND		20000	6000	ug/L			08/13/24 15:18	2000
Benzene	ND		2000	820	ug/L			08/13/24 15:18	2000
Bromodichloromethane	ND		2000	780	ug/L			08/13/24 15:18	2000
Bromoform	ND		2000	520	ug/L			08/13/24 15:18	2000
Bromomethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Carbon disulfide	ND		2000	380	ug/L			08/13/24 15:18	2000
Carbon tetrachloride	ND		2000	540	ug/L			08/13/24 15:18	2000

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

**Date Collected: 08/07/24 12:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Dibromochloromethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroethane	ND		2000	640	ug/L			08/13/24 15:18	2000
Chloroform	ND		2000	680	ug/L			08/13/24 15:18	2000
Chloromethane	ND		2000	700	ug/L			08/13/24 15:18	2000
<b>cis-1,2-Dichloroethene</b>	<b>4800</b>		2000	1600	ug/L			08/13/24 15:18	2000
cis-1,3-Dichloropropene	ND		2000	720	ug/L			08/13/24 15:18	2000
Cyclohexane	ND		2000	360	ug/L			08/13/24 15:18	2000
Dichlorodifluoromethane	ND		2000	1400	ug/L			08/13/24 15:18	2000
Ethylbenzene	ND		2000	1500	ug/L			08/13/24 15:18	2000
Isopropylbenzene	ND		2000	1600	ug/L			08/13/24 15:18	2000
Methyl acetate	ND		5000	2600	ug/L			08/13/24 15:18	2000
Methyl tert-butyl ether	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylcyclohexane	ND		2000	320	ug/L			08/13/24 15:18	2000
Methylene Chloride	ND		2000	880	ug/L			08/13/24 15:18	2000
Styrene	ND		2000	1500	ug/L			08/13/24 15:18	2000
<b>Tetrachloroethene</b>	<b>67000</b>		2000	720	ug/L			08/13/24 15:18	2000
Toluene	ND		2000	1000	ug/L			08/13/24 15:18	2000
trans-1,2-Dichloroethene	ND		2000	1800	ug/L			08/13/24 15:18	2000
trans-1,3-Dichloropropene	ND		2000	740	ug/L			08/13/24 15:18	2000
<b>Trichloroethene</b>	<b>4600</b>		2000	920	ug/L			08/13/24 15:18	2000
Trichlorofluoromethane	ND		2000	1800	ug/L			08/13/24 15:18	2000
Vinyl chloride	ND		2000	1800	ug/L			08/13/24 15:18	2000
Xylenes, Total	ND		4000	1300	ug/L			08/13/24 15:18	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 120		08/13/24 15:18	2000
Toluene-d8 (Surr)	109		80 - 120		08/13/24 15:18	2000
4-Bromofluorobenzene (Surr)	99		73 - 120		08/13/24 15:18	2000
Dibromofluoromethane (Surr)	98		75 - 123		08/13/24 15:18	2000

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>7.4</b>		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:54	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Arsenic</b>	<b>0.0083</b>	<b>J</b>	0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Barium</b>	<b>0.13</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:54	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:54	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Calcium</b>	<b>72.9</b>		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Chromium</b>	<b>0.014</b>		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Cobalt</b>	<b>0.0039</b>	<b>J</b>	0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Copper</b>	<b>0.0095</b>	<b>J</b>	0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Iron</b>	<b>9.3</b>		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Lead</b>	<b>0.0080</b>	<b>J</b>	0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Magnesium</b>	<b>122</b>		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Manganese</b>	<b>0.20</b>		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Nickel</b>	<b>0.010</b>		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Potassium</b>	<b>5.9</b>		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:54	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:54	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-04**

**Lab Sample ID: 480-222377-4**

Date Collected: 08/07/24 12:35

Matrix: Water

Date Received: 08/07/24 16:13

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Sodium</b>	<b>33.9</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:54	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Vanadium</b>	<b>0.014</b>		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:54	1
<b>Zinc</b>	<b>0.041</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:54	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:54	1

**Client Sample ID: MW-05R**

**Lab Sample ID: 480-222377-5**

Date Collected: 08/07/24 11:30

Matrix: Water

Date Received: 08/07/24 16:13

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:14	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:14	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:14	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:14	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:14	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:14	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:14	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:14	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:14	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:14	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:14	1
<b>Chloroform</b>	<b>0.66</b>	<b>J</b>	1.0	0.34	ug/L			08/13/24 00:14	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:14	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-05R**

**Lab Sample ID: 480-222377-5**

**Date Collected: 08/07/24 11:30**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:14	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:14	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:14	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:14	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:14	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:14	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		77 - 120		08/13/24 00:14	1
Toluene-d8 (Surr)	107		80 - 120		08/13/24 00:14	1
4-Bromofluorobenzene (Surr)	100		73 - 120		08/13/24 00:14	1
Dibromofluoromethane (Surr)	100		75 - 123		08/13/24 00:14	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.17</b>	<b>J</b>	0.20	0.088	mg/L		08/12/24 09:09	08/12/24 15:56	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Barium</b>	<b>0.16</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 15:56	1
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Calcium</b>	<b>75.1</b>		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 15:56	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 15:56	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 15:56	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Iron</b>	<b>0.21</b>		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 15:56	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Magnesium</b>	<b>107</b>		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Manganese</b>	<b>0.017</b>		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Potassium</b>	<b>4.6</b>		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 15:56	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 15:56	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Sodium</b>	<b>34.7</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 15:56	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 15:56	1
Vanadium	ND		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 15:56	1
<b>Zinc</b>	<b>0.023</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 15:56	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 14:55	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-06**

**Lab Sample ID: 480-222377-6**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 00:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 00:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 00:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 00:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 00:37	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 00:37	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 00:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 00:37	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 00:37	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 00:37	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 00:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 00:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 00:37	1
Acetone	ND		10	3.0	ug/L			08/13/24 00:37	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 00:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 00:37	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 00:37	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 00:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 00:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 00:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 00:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 00:37	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 00:37	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 00:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 00:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 00:37	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 00:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 00:37	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 00:37	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 00:37	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 00:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 00:37	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 00:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 00:37	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 00:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 00:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 00:37	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 00:37	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 00:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 00:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 00:37	1

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-06**

**Lab Sample ID: 480-222377-6**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		77 - 120		08/13/24 00:37	1
Toluene-d8 (Surr)	108		80 - 120		08/13/24 00:37	1
4-Bromofluorobenzene (Surr)	101		73 - 120		08/13/24 00:37	1
Dibromofluoromethane (Surr)	103		75 - 123		08/13/24 00:37	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	132		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:06	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1
Arsenic	0.044		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:06	1
Barium	0.81		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:06	1
Beryllium	0.0063		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cadmium	0.0029		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:06	1
Calcium	498		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:06	1
Chromium	0.35		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:06	1
Cobalt	0.11		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:06	1
Copper	0.24		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:06	1
Iron	173		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:06	1
Lead	0.14		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:06	1
Magnesium	308		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:06	1
Manganese	4.2		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Nickel	0.22		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:06	1
Potassium	40.3		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:06	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:06	1
Silver	0.0035	J	0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:06	1
Sodium	76.2		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:06	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:06	1
Vanadium	0.25		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:06	1
Zinc	0.86		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:06	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00038	J	0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:00	1

**Client Sample ID: MW-07**

**Lab Sample ID: 480-222377-7**

**Date Collected: 08/07/24 13:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:01	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:01	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:01	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-07**

**Lab Sample ID: 480-222377-7**

**Date Collected: 08/07/24 13:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:01	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:01	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:01	1
Acetone	ND		10	3.0	ug/L			08/13/24 01:01	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:01	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:01	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:01	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:01	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:01	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:01	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:01	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:01	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:01	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:01	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		77 - 120		08/13/24 01:01	1
Toluene-d8 (Surr)	102		80 - 120		08/13/24 01:01	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:01	1
Dibromofluoromethane (Surr)	95		75 - 123		08/13/24 01:01	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>0.36</b>		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:08	1
Antimony	ND		0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1
Arsenic	ND		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Barium</b>	<b>0.056</b>		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:08	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: MW-07**

**Lab Sample ID: 480-222377-7**

**Date Collected: 08/07/24 13:35**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	ND		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cadmium	ND		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Calcium</b>	<b>63.5</b>		0.50	0.13	mg/L		08/12/24 09:09	08/12/24 16:08	1
Chromium	ND		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:08	1
Cobalt	ND		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:08	1
Copper	ND		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Iron</b>	<b>0.42</b>		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:08	1
Lead	ND		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Magnesium</b>	<b>163</b>		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Manganese</b>	<b>0.012</b>		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:08	1
Nickel	ND		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Potassium</b>	<b>5.4</b>		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:08	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:08	1
Silver	ND		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Sodium</b>	<b>65.6</b>		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:08	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Vanadium</b>	<b>0.0019</b>	<b>J</b>	0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:08	1
<b>Zinc</b>	<b>0.038</b>		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:08	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.000042	mg/L		08/12/24 11:18	08/12/24 15:04	1

**Client Sample ID: DRUM**

**Lab Sample ID: 480-222377-8**

**Date Collected: 08/07/24 14:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			08/13/24 15:41	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	0.62	ug/L			08/13/24 15:41	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			08/13/24 15:41	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			08/13/24 15:41	2
1,2,4-Trichlorobenzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
1,2-Dibromo-3-Chloropropane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
1,2-Dibromoethane	ND		2.0	1.5	ug/L			08/13/24 15:41	2
1,2-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			08/13/24 15:41	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
1,3-Dichlorobenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
1,4-Dichlorobenzene	ND		2.0	1.7	ug/L			08/13/24 15:41	2
2-Hexanone	ND		10	2.5	ug/L			08/13/24 15:41	2
2-Butanone (MEK)	ND		20	2.6	ug/L			08/13/24 15:41	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			08/13/24 15:41	2
Acetone	ND		20	6.0	ug/L			08/13/24 15:41	2
Benzene	ND		2.0	0.82	ug/L			08/13/24 15:41	2
Bromodichloromethane	ND		2.0	0.78	ug/L			08/13/24 15:41	2
Bromoform	ND		2.0	0.52	ug/L			08/13/24 15:41	2

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: DRUM**

**Lab Sample ID: 480-222377-8**

**Date Collected: 08/07/24 14:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Carbon disulfide	ND		2.0	0.38	ug/L			08/13/24 15:41	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			08/13/24 15:41	2
Chlorobenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Dibromochloromethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroethane	ND		2.0	0.64	ug/L			08/13/24 15:41	2
Chloroform	ND		2.0	0.68	ug/L			08/13/24 15:41	2
Chloromethane	ND		2.0	0.70	ug/L			08/13/24 15:41	2
<b>cis-1,2-Dichloroethene</b>	<b>89</b>		2.0	1.6	ug/L			08/13/24 15:41	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			08/13/24 15:41	2
Cyclohexane	ND		2.0	0.36	ug/L			08/13/24 15:41	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			08/13/24 15:41	2
Ethylbenzene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
Isopropylbenzene	ND		2.0	1.6	ug/L			08/13/24 15:41	2
Methyl acetate	ND		5.0	2.6	ug/L			08/13/24 15:41	2
Methyl tert-butyl ether	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylcyclohexane	ND		2.0	0.32	ug/L			08/13/24 15:41	2
Methylene Chloride	ND		2.0	0.88	ug/L			08/13/24 15:41	2
Styrene	ND		2.0	1.5	ug/L			08/13/24 15:41	2
<b>Tetrachloroethene</b>	<b>3.4</b>		2.0	0.72	ug/L			08/13/24 15:41	2
Toluene	ND		2.0	1.0	ug/L			08/13/24 15:41	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			08/13/24 15:41	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			08/13/24 15:41	2
<b>Trichloroethene</b>	<b>2.1</b>		2.0	0.92	ug/L			08/13/24 15:41	2
Trichlorofluoromethane	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Vinyl chloride	ND		2.0	1.8	ug/L			08/13/24 15:41	2
Xylenes, Total	ND		4.0	1.3	ug/L			08/13/24 15:41	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		77 - 120		08/13/24 15:41	2
Toluene-d8 (Surr)	104		80 - 120		08/13/24 15:41	2
4-Bromofluorobenzene (Surr)	95		73 - 120		08/13/24 15:41	2
Dibromofluoromethane (Surr)	99		75 - 123		08/13/24 15:41	2

**Client Sample ID: DUP**

**Lab Sample ID: 480-222377-9**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			08/13/24 01:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			08/13/24 01:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			08/13/24 01:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			08/13/24 01:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			08/13/24 01:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			08/13/24 01:47	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1

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# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: DUP**

**Lab Sample ID: 480-222377-9**

**Date Collected: 08/07/24 10:00**

**Matrix: Water**

**Date Received: 08/07/24 16:13**

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		1.0	0.21	ug/L			08/13/24 01:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			08/13/24 01:47	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			08/13/24 01:47	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			08/13/24 01:47	1
2-Hexanone	ND		5.0	1.2	ug/L			08/13/24 01:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			08/13/24 01:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			08/13/24 01:47	1
<b>Acetone</b>	<b>4.0</b>	<b>J</b>	10	3.0	ug/L			08/13/24 01:47	1
Benzene	ND		1.0	0.41	ug/L			08/13/24 01:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			08/13/24 01:47	1
Bromoform	ND		1.0	0.26	ug/L			08/13/24 01:47	1
Bromomethane	ND		1.0	0.69	ug/L			08/13/24 01:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			08/13/24 01:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			08/13/24 01:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			08/13/24 01:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroethane	ND		1.0	0.32	ug/L			08/13/24 01:47	1
Chloroform	ND		1.0	0.34	ug/L			08/13/24 01:47	1
Chloromethane	ND		1.0	0.35	ug/L			08/13/24 01:47	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			08/13/24 01:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Cyclohexane	ND		1.0	0.18	ug/L			08/13/24 01:47	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			08/13/24 01:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			08/13/24 01:47	1
Isopropylbenzene	ND		1.0	0.79	ug/L			08/13/24 01:47	1
Methyl acetate	ND		2.5	1.3	ug/L			08/13/24 01:47	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylcyclohexane	ND		1.0	0.16	ug/L			08/13/24 01:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			08/13/24 01:47	1
Styrene	ND		1.0	0.73	ug/L			08/13/24 01:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			08/13/24 01:47	1
Toluene	ND		1.0	0.51	ug/L			08/13/24 01:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			08/13/24 01:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			08/13/24 01:47	1
Trichloroethene	ND		1.0	0.46	ug/L			08/13/24 01:47	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			08/13/24 01:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			08/13/24 01:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			08/13/24 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		77 - 120		08/13/24 01:47	1
Toluene-d8 (Surr)	103		80 - 120		08/13/24 01:47	1
4-Bromofluorobenzene (Surr)	94		73 - 120		08/13/24 01:47	1
Dibromofluoromethane (Surr)	97		75 - 123		08/13/24 01:47	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Aluminum</b>	<b>338</b>		0.20	0.088	mg/L		08/12/24 09:09	08/12/24 16:09	1
<b>Antimony</b>	<b>0.010</b>	<b>J</b>	0.020	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1
<b>Arsenic</b>	<b>0.096</b>		0.015	0.0056	mg/L		08/12/24 09:09	08/12/24 16:09	1

Eurofins Buffalo

# Client Sample Results

Client: Groundwater & Environmental Services Inc  
 Project/Site: NYSDEC Highland Plaza; 0924016

Job ID: 480-222377-1

**Client Sample ID: DUP**

**Lab Sample ID: 480-222377-9**

Date Collected: 08/07/24 10:00

Matrix: Water

Date Received: 08/07/24 16:13

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) (Continued)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	2.2		0.0020	0.00070	mg/L		08/12/24 09:09	08/12/24 16:09	1
Beryllium	0.015		0.0020	0.00040	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cadmium	0.0064		0.0020	0.00050	mg/L		08/12/24 09:09	08/12/24 16:09	1
Calcium	2320		5.0	1.3	mg/L		08/12/24 09:09	08/13/24 12:34	10
Chromium	0.92		0.0040	0.0024	mg/L		08/12/24 09:09	08/12/24 16:09	1
Cobalt	0.42		0.0040	0.00060	mg/L		08/12/24 09:09	08/12/24 16:09	1
Copper	0.66		0.010	0.0045	mg/L		08/12/24 09:09	08/12/24 16:09	1
Iron	268		0.050	0.026	mg/L		08/12/24 09:09	08/12/24 16:09	1
Lead	0.54		0.010	0.0039	mg/L		08/12/24 09:09	08/12/24 16:09	1
Magnesium	485		0.20	0.043	mg/L		08/12/24 09:09	08/12/24 16:09	1
Manganese	11.0		0.0030	0.0010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Nickel	0.54		0.010	0.0034	mg/L		08/12/24 09:09	08/12/24 16:09	1
Potassium	84.2		0.50	0.20	mg/L		08/12/24 09:09	08/12/24 16:09	1
Selenium	ND		0.025	0.0087	mg/L		08/12/24 09:09	08/12/24 16:09	1
Silver	0.0074		0.0060	0.0017	mg/L		08/12/24 09:09	08/12/24 16:09	1
Sodium	44.0		1.0	0.38	mg/L		08/12/24 09:09	08/12/24 16:09	1
Thallium	ND		0.020	0.010	mg/L		08/12/24 09:09	08/12/24 16:09	1
Vanadium	0.64		0.0050	0.0015	mg/L		08/12/24 09:09	08/12/24 16:09	1
Zinc	2.1		0.010	0.0068	mg/L		08/12/24 09:09	08/12/24 16:09	1

**Method: EPA 245.1 - Mercury (CVAA)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0014		0.00060	0.00013	mg/L		08/12/24 11:18	08/12/24 15:06	1

4A-IN  
INTERFERENCE CHECK STANDARD  
METALS

Lab Name: Eurofins Buffalo

Job No.: 480-222377-1

SDG No.: \_\_\_\_\_

Lab Sample ID: ICSAB 480-721448/10

Instrument ID: ICAP4

Lab File ID: I420240812C.csv

ICS Source: MEI\_MSS\_ICSAB\_00066

Concentration Units: mg/L

Analyte	True	Found	Percent Recovery
	Solution AB	Solution AB	
Aluminum	500	486	97
Antimony	0.500	0.498	100
Arsenic	0.500	0.483	97
Barium	0.513	0.515	100
Beryllium	0.250	0.248	99
Boron	5.00	4.89	98
Cadmium	0.500	0.493	99
Calcium	500	460	92
Chromium	0.500	0.472	94
Cobalt	0.500	0.493	99
Copper	0.500	0.514	103
Iron	200	169	84
Lead	0.500	0.506	101
Lithium		0.0007	
Magnesium	500	505	101
Manganese	0.501	0.457	91
Molybdenum	0.500	0.486	97
Nickel	0.501	0.466	93
Potassium	5.00	5.08	102
Selenium	0.500	0.481	96
Silver	0.500	0.501	100
Sodium	5.00	5.18	104
Strontium	0.500	0.493	99
Sulfur		0.0614	
Thallium	0.500	0.500	100
Tin	0.500	0.505	101
Titanium	0.500	0.498	100
Vanadium	0.500	0.483	97
Zinc	0.501	0.445	89

Calculations are performed before rounding to avoid round-off errors in calculated results.