## Brownfield Cleanup Program

# Interim Remedial Measure Work Plan

**Hope On Main Site – Phase 1**
**Site No. C915393**
954 and 1000 Main Street
City of Buffalo, Erie County, New York

**Prepared for:**
SAB Hope, LLC
100 South Elmwood Avenue, Suite 100
Buffalo, New York 14202

**April 2024**
**Revision 2**

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**Acronym List**

| | |
|---|---|
| AA | Alternatives Analysis |
| ASP | Analytical Services Protocol |
| BCA | Brownfield Cleanup Agreement |
| BCP | Brownfield cleanup Program |
| BGS | Below Ground Surface |
| CAMP | Community Air Monitoring Plan |
| CVOC | Chlorinated Volatile Organic Compound |
| DER | Department of Environmental Remediation |
| DUSR | Data Usability and Summary Report |
| EDD | Electronic Data Deliverable |
| ELAP | Environmental Laboratory Accreditation Program |
| ESA | Environmental Site Assessment |
| FER | Final Engineering Report |
| GPR | Ground Penetrating Radar |
| HASP | Health and Safety Plan |
| HFM | Historic Fill Material |
| ISMP | Interim Site Management Plan |
| IRM | Interim Remedial Measures |
| IRM WP | Interim Remedial Measures Work Plan |
| MS/MSD | Matrix Spike / Matrix Spike Duplicate |
| MSL | Mean Sea Level |
| DNAPL | Dense Non-Aqueous Phase Liquid |
| NYSDEC | New York State Department of Environmental Conservation |
| NYSDOH | New York State Department of Health |
| NYSDOL | New York State Department of Labor |
| PAH | Polycyclic Aromatic Hydrocarbons |
| PPM | Parts per Million |

| | |
|---|---|
| PCB | Polychlorinated Biphenyl |
| PID | Photo-ionization Detector |
| PCE | Tetrachloroethylene |
| PFAS | Per- and Polyfluoroalkyl Substances |
| QA/QC | Quality Assurance / Quality Control |
| RAO | Remedial Action Objective |
| REC | Recognized Environmental Condition |
| RI | Remedial Investigation |
| RIWP | Remedial Investigation Work Plan |
| RWP | Remedial Work Plan |
| SCG | Standards, Criteria, Guidance |
| SCO | Soil Cleanup Objective |
| Site | 954 and 1000 Main Street, Buffalo, New York |
| SMP | Site management Plan |
| SSDS | Sub-Slab Depressurization System |
| SVOC | Semi volatile Organic Compound |
| TAL | Target Analyte List |
| TCE | Trichloroethene |
| TCL | Target Compound List |
| TCLP | Toxicity Characteristic leaching Procedure |
| TOGS | Technical and Operational Guidance Series |
| µg/m$^3$ | Microgram per Cubic Meter |
| USEPA | United States Environmental Protection Agency |
| USGS | United States Geologic Service |
| UST | Underground Storage Tank |
| VOC | Volatile Organic Compound |
| VOV | Volatile Organic Vapor |

I, Henry Nevin Bradford, III, certify that I am currently a NYS Registered Professional Engineer and that this Interim Remedial Measure Work Plan Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

H. Nevin Bradford, III, P.E.
State of New York Professional Engineer No. 086008

April 12, 2024

# 1 INTRODUCTION

C&S Engineers, Inc. (C&S) has prepared this Interim Remedial Measure Work Plan (IRM WP) on behalf of the applicants for Brownfield Cleanup Program (BCP) Site No. C915393, SAB Hope LLC (hereafter known as "Applicants"), for the Hope on Main BCP Site located at 954 and 1000 Main Street, Buffalo, Erie County, New York (the "Site"). **Figure 1** shows the location of the Site and **Figure 2** shows the Site boundaries and identified pertinent site features.

A Remedial Investigation Work Plan (RIWP) was subsequently approved on August 3, 2023, and the Remedial Investigation (RI) commenced in August 7, 2023.

The RI was conducted to assess the nature and extent of contamination at the Site and consisted of:

- The collection and analysis of four surface soil samples:
- The advancement of 55 soil borings and collection and analysis of 118 subsurface soil samples;
- The excavation of five test pits;
- The installation of five groundwater monitoring wells and performance of two rounds of groundwater sampling; and
- The collection of sub-slab, indoor air, and outdoor air vapor samples.

Soil and groundwater samples were analyzed for a combination of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, herbicides, polychlorinated biphenyls (PCBs), metals, and per- and polyfluoroalkyl substances (PFAS). Soil vapor samples were analyzed for VOCs.

Contamination exceeding soil cleanup objectives (SCO) appropriate for the proposed Site use (Unrestricted Use) was identified. The contamination is generally associated with unregulated fill material. Constituents in the historic fill material (HFM) at concentrations that exceed the Unrestricted Use SCOs generally include SVOCs and metals. The variation in analyte concentrations in the soils that contain HFM indicates that the overall source of contamination is the HFM itself; however, four locations—H1, I1, J1 and K5—did have Unrestricted Use contaminant exceedances without overlying HFM. No apparent discrete source is located on-site.

Low-level CVOCs were detected in three monitoring wells – MW-02, MW-03 and

MW-04 – adjacent to North Pearl Street. At this time, no source or current/past uses of the Site can be attributed to the presence of CVOCs in the groundwater. Soil sampling results did not identify any VOCs or CVOCs exceedances in the soil across the Site or under all the buildings from ground surface to over 50 feet below ground. One possibility is CVOCs in groundwater are from offsite intermittent and isolated releases / spills.

Actions taken to mitigate environmental or human exposures before the completion of the remedial investigation (RI) or appropriate remedial alternative selection, are considered interim remedial measures (IRMs). A priority during investigation and / or remediation is to contain and / or stabilize, to the extent possible, sources of contamination identified in any media to reduce or eliminate receptor exposure to contaminants or to contain further movement of contaminants through any pathway. The use of IRMs is encouraged when a source of contamination or exposure pathway can be effectively addressed before completion of the ongoing investigation and remedy selection process. IRMs may include the following activities: removal of source areas, hot spots, wastes and contaminated materials including environmental media.

This IRM WP was developed to distinguish well-defined areas of contamination at the Site identified during the RI and to describe proposed actions to address the contamination, prior to the identification and implementation of the site-wide remedy. The completion of the non-emergency IRMs described herein are intended to simplify the process of developing, approving, and implementing a site-wide remedy.

This IRM WP was developed for Phase 1 of the project. Phase 1 of The Salvation Army's redevelopment plans includes the replacement of its existing emergency shelter. The remainder of the campus would continue to be used and occupied as it is now, including a chapel, assembly hall space, administrative offices, programming space, after-school programs, social services programs, and an emergency shelter. A new three-story emergency shelter for families would be constructed on the site of the former 954 Main Street building and occupied prior to full completion of the BCP. Once completed, the ground floor of the new shelter will house supportive program space for shelter residents, and the two stories above will include 32 units with 80 beds.

Section 2.3 discusses the RI in further detail. **Figure 3** shows the locations of the samples collected during the RI.

# 2 PROJECT BACKGROUND

## 2.1 Site Description

The Site is comprised of two parcels: 954 Main Street (SBL: 100.78-6-1.1) and 1000 Main Street (SBL: 100.71-6-6.1). The Site has approximately 2.88 acres.

The IRM boundary is located on the southern portion of the Site and includes the 954 Main Street building, Grids I1, I2, J1, J2, J3, J4, J5, K1, K2, K3, K4, K5, and a portion of H1. The IRM boundary is approximately 0.62 acres.

**Figure 1** shows the location of the Site and **Figure 2** shows the Site boundaries and identified pertinent site features.

## 2.2 Geology and Hydrogeology

### 2.2.1 Geology

HFM identified on-Site consisted of any one or mixture of the following materials:

| | |
|---|---|
| Crushed Rock | Lumber |
| Sand | Ash/Cinders |
| Silt | Ceramics |
| Clay | Bricks |
| Plastics | Metal |
| Construction Debris | |

HFM was generally observed across the Site in both areas beneath the asphalt surface and grass areas from approximately one foot to four feet below ground surface (bgs) with a few observations at six feet bgs. The fill material consists of a mixture of soil types (sand, silt, and/or clay), ash, coal, gravel, and construction demolition debris.

Underlying the HFM are mixed deposits of silt, clay, and sand down to 50 feet bgs. The mixed deposits vary from each soil boring location; however, soils generally consist of alternating grey and brown zones of silty sand, sand, clayey silt, sand silt and glacial deposits. Layers of the soil types listed above were discontinuous across the Site.

The locations and depths of HFM at the Site are shown on **Figure 4.**

### 2.2.2 Hydrogeology

The primary hydrogeologic unit identified beneath the Site is the semi-confined water-table aquifer present in the sand layer. Groundwater was encountered at depths approximately 30 to 50 feet bgs., One soil boring — K3 — identified perched water at eight feet bgs. Based on groundwater elevations, groundwater flows to the west toward Lake Erie.

Groundwater at and in the vicinity of the Site is not used for public drinking water supply. The Buffalo Water Board supplies every dwelling, house, or other building requiring the use of water through the water mains maintained by the City of Buffalo.

## 2.3 Summary of Remedial Investigation

The RI was conducted to assess the nature and extent of contamination at the Site and consisted of:

- the collection and analysis of four surface soil samples:
- the advancement of 55 soil borings and collection and analysis of 118 subsurface soil samples:
- the excavation of five test pits:
- the installation of five groundwater monitoring wells and performance of two rounds of groundwater sampling:
- the collection of sub-slab, indoor-air, and outdoor-air vapor samples:
- the collection of quality assurance / quality control (QA / QC) samples" and
- the collection of waste characterization samples.

Soil and groundwater samples were analyzed for a combination of VOCs, SVOCs, pesticides, herbicides, polychlorinated biphenyls (PCBs), metals, and per- and polyfluoroalkyl substances (PFAS). Vapor samples were analyzed for VOCs.

Contamination exceeding soil cleanup objectives (SCO) appropriate for the proposed Site use (Unrestricted Use) was identified. The contamination is generally associated with unregulated fill material. Constituents in the historic fill material (HFM) at concentrations that exceed the Unrestricted Use SCOs generally include SVOCs and metals. The variation in analyte concentrations in the soils that contain HFM indicates that the overall source of contamination is the HFM itself; however, some locations did have contaminant exceedances

(arsenic and mercury) without overlying HFM. No apparent discrete source is located on-site.

Low level CVOCs were detected in three monitoring wells – MW-02, MW-03 and MW-04 – adjacent to North Pearl Street. Based on historic site research, no source or current/past uses of the Site can be attributed to the presence of CVOCs in the groundwater. Soil sampling results did not identify any VOCs or CVOCs exceedances in the soil across the Site or under all the buildings from ground surface to over 50 feet below ground. One possible explanation is that the CVOCs in groundwater are from offsite intermittent and isolated releases or spills.

**Figures 6** through **Figure 9** and **Tables 1** through **Table 5** summarize the results of the RI for each medium investigated.

# 3 INTERIM REMEDIAL MEASURES SCOPE

This section is the IRM scope for the Site. This IRM is based on the data collected during the RI of the Site and the recommended final remedial approach for the Site that will be proposed in the upcoming Alternatives Analysis Report. This IRM will successfully achieve Unrestricted Use SCOs.

## 3.1 Introduction

In the upcoming Remedial Action Work Plan, the recommended final remedial approach for the Site is the Track 1 (Unrestricted Use) remedy. No institutional or engineering controls will be implemented for the Track 1 cleanup.

## 3.2 Site Control

Site control is an important aspect of this remedial program. In order to safeguard the health and safety of site workers and the general public, access to all remedial work areas will be restricted. Perimeter fencing will be installed to facilitate site control. Additionally, temporary construction fencing will be erected around accessible excavations and staging areas to prevent unauthorized personnel from entering these areas. Following the completion of remedial efforts, the occupied portion of the Site will be controlled with a perimeter chain-link fence gate.

## 3.3 Site Preparation

Site preparation activities include:

- Installing temporary fences to restrict access to remedial work areas;
- Site clearing by excavator and/or chainsaw, which will include the removal of debris, shrubs, and vegetation (including root masses) and, in cases where tree roots are growing in HFM, the wood debris will be taken to an appropriate solid waste facility for disposal;
- removal and offsite recycling of concrete;
- removal and offsite recycling of asphalt pavement;
- installing new pavement sidewalks, and curbing; and
- repairing and relocating of buried utilities.

## 3.4 Hazardous Building Materials

All materials (asbestos, lead, PCBs, and universal waste) found during the pre-demolition survey and investigation that require abatement or removal will be handled in accordance the with applicable federal, state, and local laws including:

- Federal Regulations:
  - OSHA 29 CFR Part 1910.1001 – Asbestos
  - OSHA 29 CFR Part 1910.1200 – Hazard Communication
  - OSHA 29 CFR Part 1910.134 – Respiratory Protection
  - OSHA 29 CFR Part 1910.145 – Specification for Accident Prevention Signs and Tags
  - OSHA 29 CFR Part 1926 – Construction Industry
  - OSHA 29 CFR Part 1926.1101 – Asbestos, Tremolite, Anthophyllite, and Actinolite
  - OSHA 29 CFR Part 1926.500 – Guardrails, Handrails, and Covers
  - USEPA 40 CFR Part 61, Subpart A – General Provisions
  - USEPA 40 CFR Part 61, Subpart M – Asbestos NESHAP
  - USEPA 40 CFR Part 763, Subpart E, Asbestos Hazard Emergency Response Act (AHERA)

- New York State Regulations:
  - NYSDOL 12 NYCRR Part 56 – "Asbestos," as amended 3/21/2007
  - 6 NYCRR Parts 360 and 364 – Waste Disposal & Transportation
  - NYSDOH 10 NYCRR Part 73 – Asbestos Safety Program Requirements

- All Local Regulations

- Standards and Guidance Documents:
  - American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection
  - ANSI Z9.2-79, Fundamentals Governing the Design and Operation of Local Exhaust Systems
  - USEPA 560/585-024, Guidance for Controlling Asbestos Containing Materials in Buildings (Purple Book)
  - USEPA 530-SW-85-007, Asbestos Waste Management Guidance

- All applicable building and fire codes.

## 3.5 Building Demolition

The proposed redevelopment will require controlled demolition of the 954 Main Street building.

- The demolition work will be completed in accordance with appropriate local, state, and federal regulations. Demolition will be conducted in accordance the with the following:
    - New York State Department of Labor (NYSDOL) Code Rule 23 and specifically subpart 23.3 "Demolition Safety".
    - ANSI A10.6, NFPA 241, Fire Code of New York State, Building Code of New York State
- Except for items or materials to be salvaged, recycled, or otherwise reused, waste materials removed from the Site will be properly disposed at a Construction and Demolition Debris landfill.

## 3.6 Excavation Work Plan

Excavation is planned to occur in limited areas within the IRM boundary and will include the removal and off-site disposal of HFM and impacted native soils. HFM excavated from the Site will not be reused at other sites.

Good housekeeping practices will be followed during excavation activities to prevent leaving contaminated material on the ground surface (e.g., precautions will be taken to prevent impacts to the ground surface from the potential for materials to spill from the excavator bucket).

MW-03 is within the deep excavation IRM area. The Applicant will require that the retained Contractor to implement means and methods that will protect he monitoring well during excavation. Hand digging around the monitoring well may be necessary. If any damage occurs to the existing groundwater monitoring well, the well will be properly fixed and/or replaced.

**Figure 10** presents the depths to be excavated to achieve a Track 1 Level Cleanup within the IRM boundary.

### 3.6.1 Soil Screening Methods

- Visual, olfactory and/or instrument-based (e.g., PID) soil screening will be performed by a C&S scientist or engineer during all excavations.

- If grossly contaminated fill or petroleum-impacted soils are observed, the impacted material will be evaluated and, when necessary, handled separately from the HFM at the Site.

### 3.6.2 Materials Excavation and Load-Out

- Excavated fill may be direct-loaded onto trucks for off-site disposal or stockpiled. See Section 3.6.3, below, for details on the proposed stockpile location.

- A C&S scientist or engineer will observe and document the work during all excavation and load-out in areas known to be contaminated or potentially contaminated.

- The remedial contractors are responsible for safe execution of all invasive and other work performed under this IRM Work Plan.

- The remedial contractors will investigate the presence of utilities and easements on the Site to determine whether existing utilities or easements will pose a risk or impediment to the planned work under this IRM Work Plan.

- Loaded vehicles leaving the site will be appropriately covered, manifested, and/or placarded in accordance with appropriate federal, state, local, and NYSDOT requirements (and all other applicable transportation requirements). To the extent practicable, trucks will travel along routes that avoid residential areas.

- Locations where vehicles enter or exit the site will be inspected daily for evidence of off-site soil tracking.

- The remedial contractor will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the Site during intrusive excavation activities. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

### 3.6.3 Soil Staging Methods

- Soil stockpiles will be continuously encircled with a berm and/or silt sock. Hay bales (or similar methods) will be used as needed near catch basins, surface waters, and other discharge points.

- Stockpiles will be kept covered at all times with appropriately anchored tarps. Stockpiles will be periodically inspected and any damaged tarp cover will be promptly replaced.

- For the IRM, if soil stockpiling is needed an area north of the IRM boundary will be used. This area is shown on **Figure 10**.

3.6.4 Fluids Management

- Liquids such as excavation dewatering and decontamination waters will be handled, transported, and disposed of in accordance with applicable local, state, and federal regulations.

- Any discharge of water generated during large-scale construction activities to surface waters (i.e., a local pond, stream or river) will be performed under a SPDES permit.

3.6.5 Materials Transported Off-Site

- All transport of materials will be performed by licensed haulers in accordance with appropriate local, state, and federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

- Material transported by trucks exiting the Site will be secured with canvas-type truck covers. If loads contain wet material capable of producing free liquid, truck liners will be used.

- Egress points for truck and equipment transport from the Site will be kept clean of dirt and other materials during site remediation and development.

3.6.6 Materials Disposal Off-Site

- Contaminated and regulated material will be transported and disposed in accordance with all local, state (including 6 NYCRR Part 360) and federal regulations.

- If material from this Site is proposed for off-site use (i.e. clean soil removed for development purposes), a formal request with an associated plan will be made to the NYSDEC. Off-site management of materials from this Site will not occur without formal NYSDEC approval.

- Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6 NYCRR Part 360-16 Registration Facility).

- All disposal receipts will be included in the Final Engineering Report.

3.6.7 Materials Reuse On-Site

- No materials are planned to be reused on-site.

## 3.7 Backfilling

Excavations at the Site will be backfilled with material such as clean soil, crushed stone, and / or clean pulverized asphalt or concrete to an elevation to facilitate construction of the Site.

For each source of backfill that is imported to the Site, one of the following will be completed prior to importing the backfill.

a. Documentation will be provided to NYSDEC as to the source of the material and the consistency of the material in accordance with the exemption for no chemical testing listed in DER-10 Section 5.4(e)(5); **OR**

b. Chemical testing will be completed in accordance with the following table:

**Table 4-1**
**DER-10 5.4(e)10**

| Recommended Number of Soil Samples for Soil Imported to or Exported from a Site | | | |
|---|---|---|---|
| **Contaminant** | **VOCs** | **SVOCs, Inorganics & PCBs/Pesticides** | |
| **Soil Quantity (cubic yards)** | **Discrete Samples** | **Composite** | **Discrete Samples/Composite** |
| 0-50 | 1 | 1 | 3-5 discrete samples from different locations in the fill being provided will comprise a composite sample for analysis |
| 50-100 | 2 | 1 | |
| 100-200 | 3 | 1 | |
| 200-300 | 4 | 1 | |
| 300-400 | 4 | 2 | |
| 400-500 | 5 | 2 | |
| 500-800 | 6 | 2 | |
| 800-1000 | 7 | 2 | |
| 1000 | Add an additional 2 VOC and 1 composite for each additional 1000 Cubic yards or consult with DER | | |

| | |
|---|---|

Taken from DER-10 - Table 5.4(e)10

Imported fill will be tested for 1,4-dioxane and PFAS. 1,4-dioxane will be sampled as composite samples per the above table. PFAS will be sampled as composite samples per the table above.

For materials that must undergo laboratory analytical testing, the results for each new source of fill will meet the values provided in Appendix 5 of DER-10 for Unrestricted Use and will receive approval by the NYSDEC prior to being imported to the Site.

On-site soil, which does not exceed the above excavation criteria, may be used to establish the designed grades at the site. Clean fill meeting the requirements of 6 NYCRR Part 375-6.7(d) will be brought in to replace the excavated soil and establish the designed grades at the Site, as necessary.

## 3.8 Air Monitoring

When intrusive subsurface work is being performed at the Site, the CAMP included in **Appendix B** will be implemented.

The action threshold for VOCs established in the CAMP is 5 ppm above background. If this value is exceeded for a 15-minute average, work will be halted and NYSDEC and NYSDOH will be notified of the exceedance within 24 hours. Work may resume once instantaneous readings fall below 5 ppm . The action level for dust is 100 ($\mu g/m^3$) over background during a 15-minute average. If this limit is exceeded, dust suppression techniques will be employed, including using water to wet the area.

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

When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and

odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring will occur within the occupied structure(s). Background readings in the occupied spaces will be taken prior to commencement of the planned work. Any unusual background readings will be discussed with NYSDOH prior to commencement of the work.

If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m3, work activities will be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m3 or less at the monitoring point.

If any air limits are exceeded during IRM excavation, work will halt and the NYSDEC and NYSDOH will be notified of the exceedance within 24-hours.

### 3.9 Erosion and Dust Controls

As part of the remedial actions to be performed at the Site, measures will be needed to limit erosion and dust generation. Erosion control and dust suppression techniques will be employed as necessary to limit erosion and fugitive dust generated in disturbed areas during remediation and redevelopment activities. Such techniques may be employed even if the community air monitoring results indicate that particulate levels are below action levels. Techniques may include but are not limited to:

- using silt fencing, hay bales, and / or mulching;
- applying water on haul roads and ingress / egress points;
- wetting equipment and excavation surfaces;
- hauling materials in properly tarped or watertight containers;
- limiting vehicle speed on the Site;
- limiting the size of excavations; and
- covering excavated areas and materials following excavation

Effectiveness of the dust suppression measures will be evaluated based on the results of the air monitoring that will be conducted under the CAMP provided in **Appendix B.**

## 3.10 Confirmatory Sampling

The RI determined the nature and extent of contamination on the Site, including confirmatory sampling, and sufficient data was generated to perform soil removal IRMs. However, some grids do require additional confirmatory sampling as shown in **Figure 10**. Additionally, if while implementing the remedy or performing future development work, soil contamination is discovered that differs from that identified during the RI, confirmatory sampling may be considered in light of the requirements of DER-10, or in consultation with the Department. The location and depth may be changed based on field findings.

One soil sample will be collected and analyzed for the following:

- Grid I1 – PFAS at six feet
- Grid I2 - Metals at six feet.
- Grid J1 – Metals at six feet
- Grid J2 – Two samples for metals and PFOS below six feet
- Grid J4 – Metals at two and four feet. This location is being re-sampled due to the concentration of mercury very close to being below the Unrestricted Use SCO.

**Appendix C** provides the Quality Assurance Project Plan for the samples collected.

## 3.11 Perimeter Sampling

HFM samples will be collected from the bottom of each sidewall at the perimeter of the Site during the excavation. Samples collected from perimeter locations will be used to document and characterize sub-surface conditions adjacent to the Site.

In six locations, one HFM or soil sample will be collected and analyzed for the following:

- TCL VOCs
- TCL SVOCs
- TCL pesticides

- Total polychlorinated biphenyls (PCBs)
- Target Analyte List (TAL) metals
- Total mercury
- Total cyanide
- Hexavalent chromium
- Silvex
- Per- and Polyfluoroalkl Substances (PFAS)
- 1,4-dioxane

**Figure 10** shows the locations of perimeter samples. **Appendix C** provides the Quality Assurance Project Plan for the samples collected.

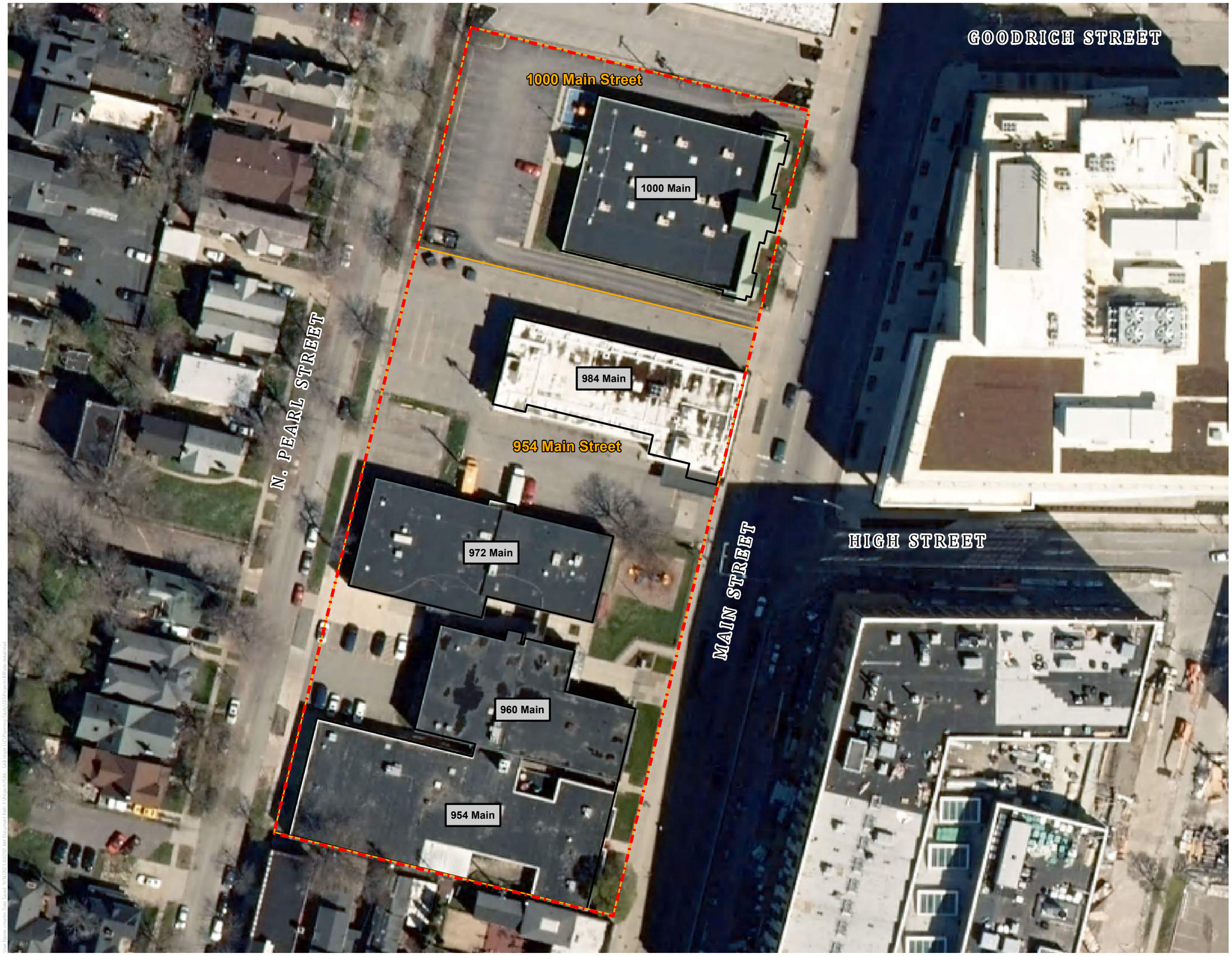
## 3.12 Schedule

The IRM implementation schedule is as follows:

**Table 4-2: Schedule**

| Date | Task |
|---|---|
| Monthly by 10th day | Progress Reports |
| May 2024 | Asbestos Abatement |
| Late May 2024 | Site Preparation |
| June 2024 | Building Demolition |
| June 2024 | Excavation |
| July 2025 | Site Restoration |
| August 2025 | Construction Complete |

# FIGURES




C&S COMPANIES®

## Figure 1

Site Detail

Brownfield Cleanup Program (BCP) Site

Property Boundary

**972 Main** Building ID

N

0 30 60 120 Feet

1 in. = 60 feet
When printed at 11 in. by 17 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

Sources: . Created by C&S Engineers, Inc.

# Figure 2

## Existing Conditions

Brownfield Cleanup Program (BCP) Site

Interim Remedial Measure (IRM) Boundary

### Survey Legend

- CATCH BASIN
- CLEAN OUT
- COMMUNICATIONS MANHOLE
- ELECTRIC MANHOLE
- FLOOD LIGHT
- GAS SERVICE VALVE
- GAS VALVE
- GUY WIRE
- HYDRANT
- LIGHT POLE, STANDARD
- PARKING METER
- SANITARY MANHOLE
- SANITARY VENT
- SIGN, ONE POST
- SIGN, TWO POST
- TRAFFIC MANHOLE
- UTILITY POLE
- WATER SERVICE VALVE
- WATER VALVE

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

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# Figure 3

## RI Sampling Locations

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Surface Soil Sample Locations
- Groundwater Monitoring Well
- Interior Soil Boring Location
- Exterior Soil Boring Location
- Test Pit Location

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

## Hope on Main
## 954 Main Street
## Brownfield Cleanup Program

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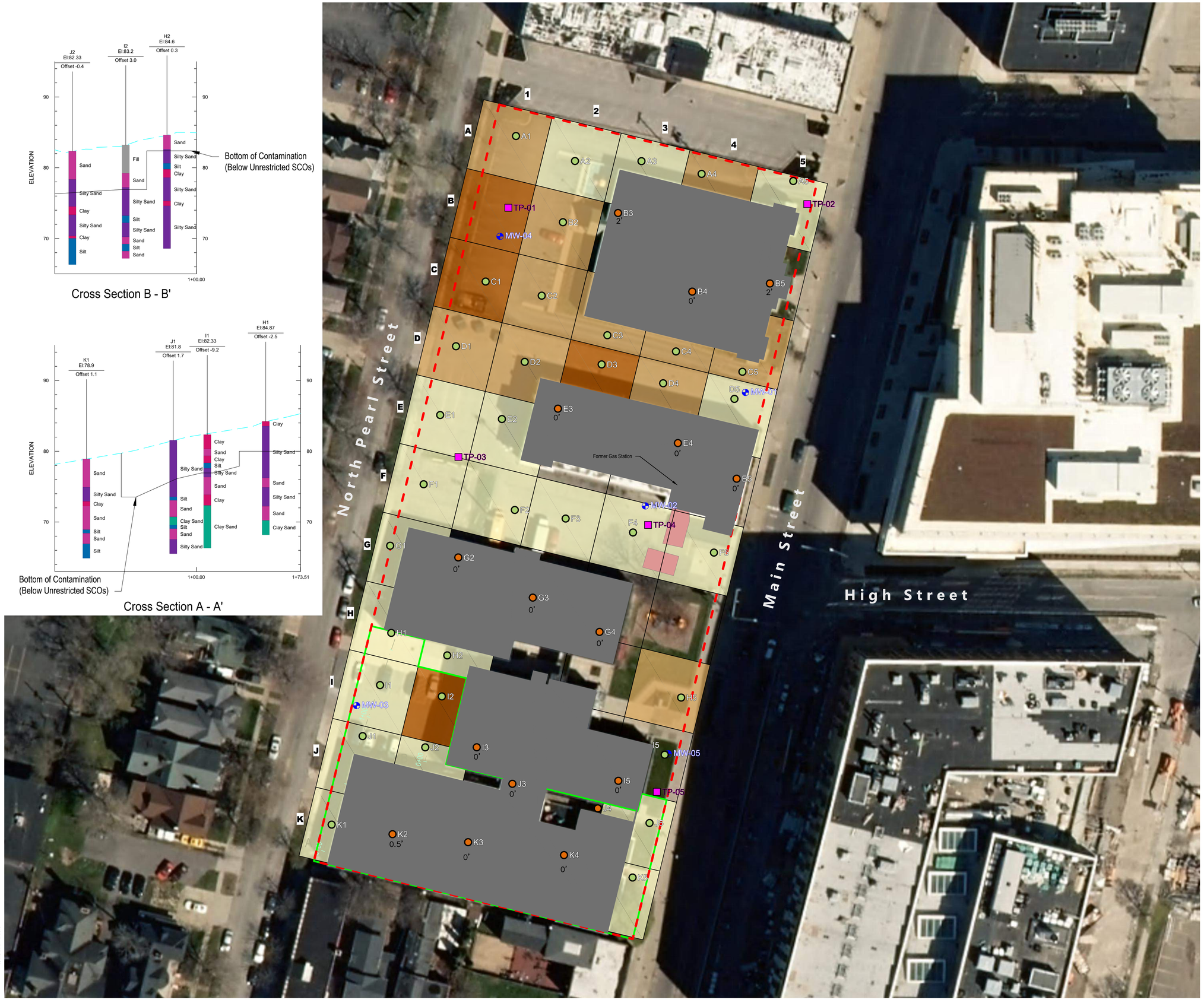
Cross Section B - B'




Cross Section A - A'




# Figure 4

## Fill Depths

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Interior Soil Boring Location
- Exterior Soil Boring Location
- Test Pit Location
- Groundwater Monitoring Well

## Fill Depth (feet)

- 0 - 2
- 2 - 4
- 4 - 6
- 2' Fill Depth within Building Footprint

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

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# Figure 5

## Groundwater Flow

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Groundwater Monitoring Well
- Groundwater Elevation Contour (feet)

## Groundwater Elevations

| Well No. | Ground Elevation | Depth | Elevation | Depth | Elevation |
|---|---|---|---|---|---|
| Date | -- | *9/14/2023* | | *10/17/2023* | |
| **MW-1** | 665.403 | 29.1 | 636.303 | 30.9 | 634.503 |
| **MW-2** | 666.929 | 41.2 | 625.729 | 39.5 | 627.429 |
| **MW-3** | 657.581 | 40.4 | 617.181 | 40.8 | 616.781 |
| **MW-4** | 666.613 | 49.4 | 617.213 | 49.53 | 617.083 |
| **MW-5** | 659.856 | 32.4 | 627.456 | 32.5 | 627.356 |

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

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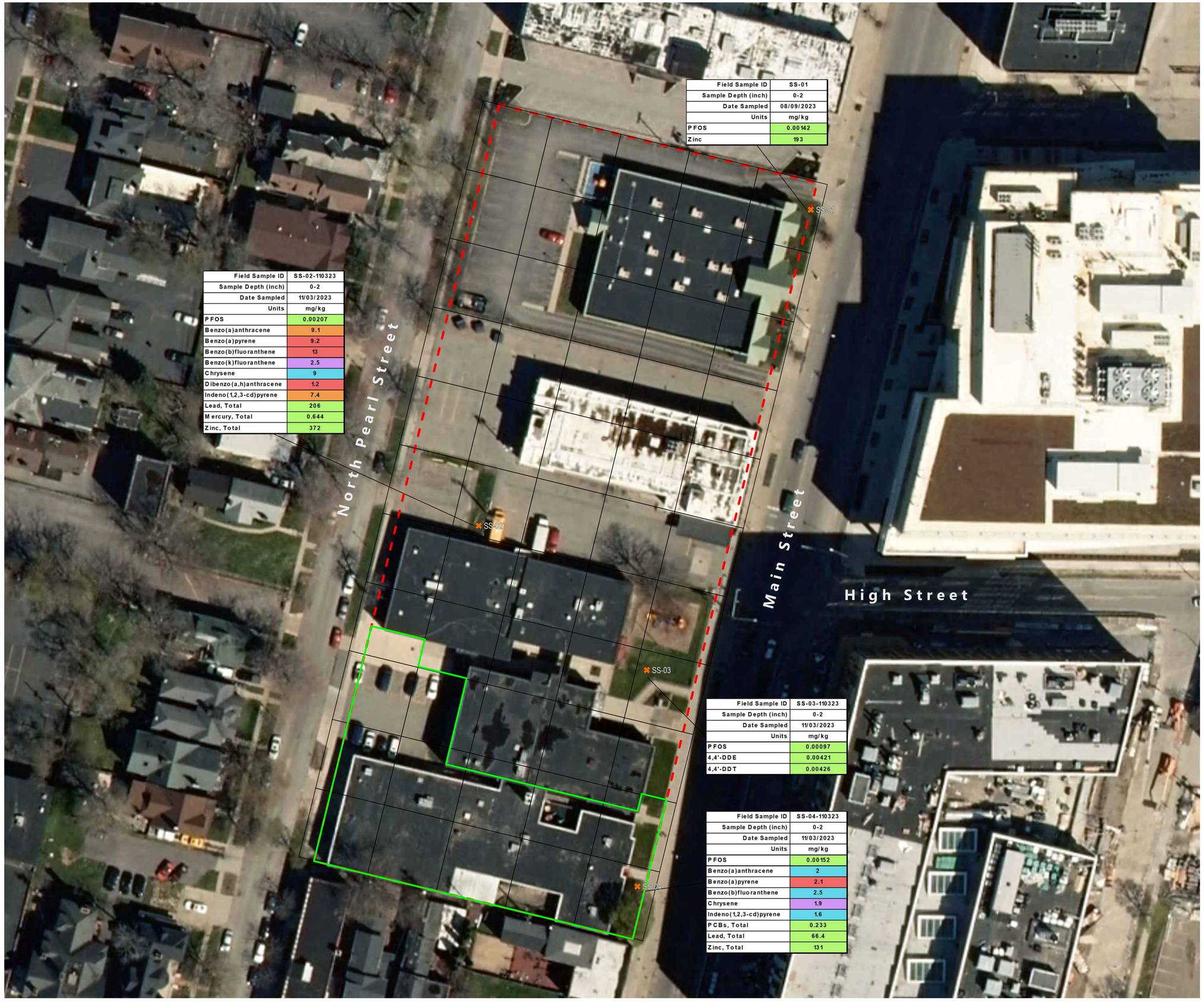


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# Figure 6

## Surface Soil Sampling

Brownfield Cleanup Program (BCP) Site

Interim Remedial Measure (IRM) Boundary

Surface Soil Sample Locations

### Label Legend

| | |
|---|---|
| Field Sample ID | |
| Sample Depth (feet) | |
| Date Sampled | |
| Units | |
| ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES | Unrestricted Use |
| | Residential Use |
| | Restricted Residential Use |
| | Commercial Use |
| | Industrial Use |

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

## Hope on Main
## 954 Main Street
## Brownfield Cleanup Program

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| Field Sample ID | B2-00-TP |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Lead | 244 |
| Mercury | 0.541 |
| Zinc | 244 |
| Field Sample ID | B2-00-2FT |
| Sample Depth (inch) | 2 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| Benzo[a]anthracene | 1 |
| Benzo[a]pyrene | 1.3 |
| Benzo[b]fluoranthene | 1.6 |
| Chrysene | 1.1 |
| Indeno[1,2,3-cd]pyrene | 0.9 |
| Field Sample ID | B2-01-3FT |
| Sample Depth (feet) | 3 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |
| Field Sample ID | B2-02-4FT |
| Sample Depth (feet) | 4 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | B3-01- |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/17/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | B4-01- |
|---|---|
| Sample Depth (inch) | 2 |
| Date Sampled | 08/17/2023 |
| Units | mg/kg |
| Indeno[1,2,3-cd]pyrene | 0.6 |
| Lead | 957 |
| Mercury | 0.544 |
| Zinc | 277 |
| Field Sample ID | B4-02- |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/17/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | B5-01- |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/17/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | C1-01-5FT |
|---|---|
| Sample Depth (feet) | 5 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | C2-01-3FT |
|---|---|
| Sample Depth (feet) | 3 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | C3-01-4FT |
|---|---|
| Sample Depth (feet) | 4 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | C4-00-1FT |
|---|---|
| Sample Depth (inch) | 1 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| Benzo[a]anthracene | 2.2 |
| Benzo[a]pyrene | 1.8 |
| Benzo[b]fluoranthene | 2.5 |
| Chrysene | 2.2 |
| Indeno[1,2,3-cd]pyrene | 1.3 |
| 4,4'-DDE | 0.0083 |
| PCB | 0.11 |
| Field Sample ID | C4-01-2FT |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | C5-01-3FT |
|---|---|
| Sample Depth (feet) | 3 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | A1-00-3FT |
|---|---|
| Sample Depth (inch) | 3 |
| Date Sampled | 08/07/2023 |
| Units | mg/kg |
| Benzo[a]anthracene | 1.1 |
| Benzo[a]pyrene | 1.2 |
| Benzo[b]fluoranthene | 1.2 |
| Chrysene | 1.1 |
| Indeno[1,2,3-cd]pyrene | 0.81 |
| Lead | 324 |
| Mercury | 0.24 |
| Zinc | 215 |
| Field Sample ID | A1-01-5FT |
| Sample Depth (feet) | 5 |
| Date Sampled | 08/07/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | A2-01-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/07/2023 |
| Units | mg/kg |
| 4,4'-DDT | 0.0068 |
| Field Sample ID | A2-02-3FT |
| Sample Depth (feet) | 3 |
| Date Sampled | 08/07/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | A3-01-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/07/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | A4-01-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | A5-01-3FT |
|---|---|
| Sample Depth (feet) | 3 |
| Date Sampled | 08/08/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | D1-01-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | D2-01-3FT |
|---|---|
| Sample Depth (feet) | 3 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | D3-01-5FT |
|---|---|
| Sample Depth (feet) | 5 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | D4-012FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| Zinc | 110 |
| Field Sample ID | D4-02 3FT |
| Sample Depth (feet) | 3 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | D5-01-1FT |
|---|---|
| Sample Depth (feet) | 1 |
| Date Sampled | 08/09/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | E1-00 1FT |
|---|---|
| Sample Depth (feet) | 1 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| Lead | 225 |
| Zinc | 185 |
| Field Sample ID | E1-012FT |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| Lead | 229 |
| Zinc | 143 |
| Field Sample ID | E1-02 3FT |
| Sample Depth (feet) | 3 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | E2-01 1FT |
|---|---|
| Sample Depth (feet) | 1 |
| Date Sampled | 08/10/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | E3-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | E4-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | E5-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

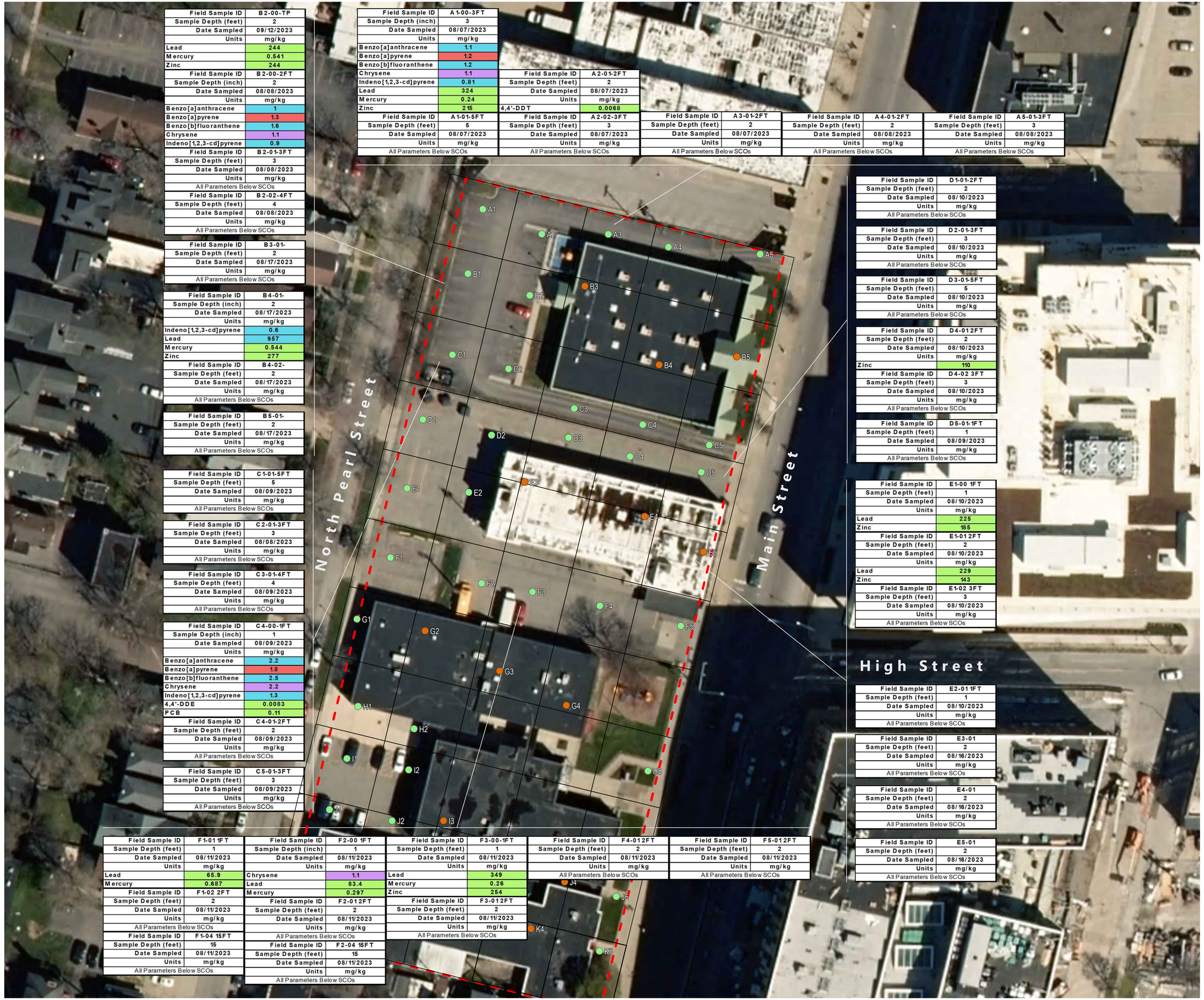
| Field Sample ID | F1-01 1FT |
|---|---|
| Sample Depth (feet) | 1 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| Lead | 65.9 |
| Mercury | 0.687 |
| Field Sample ID | F1-02 2FT |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |
| Field Sample ID | F1-04 15FT |
| Sample Depth (feet) | 15 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | F2-00 1FT |
|---|---|
| Sample Depth (inch) | 1 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| Chrysene | 1.1 |
| Lead | 83.4 |
| Mercury | 0.297 |
| Field Sample ID | F2-012FT |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |
| Field Sample ID | F2-04 15FT |
| Sample Depth (feet) | 15 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | F3-00-1FT |
|---|---|
| Sample Depth (feet) | 1 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| Lead | 349 |
| Mercury | 0.26 |
| Zinc | 254 |
| Field Sample ID | F3-012FT |
| Sample Depth (feet) | 2 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | F4-012FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | F5-012FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/11/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

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# Figure 7A

## Subsurface Soil Sampling (North)

Brownfield Cleanup Program (BCP) Site

Interior Soil Boring Location

Exterior Soil Boring Location

### Label Legend

| Field Sample ID | |
|---|---|
| Sample Depth (feet) | |
| Date Sampled | |
| Units | |
| ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES | Unrestricted Use |
| | Residential Use |
| | Restricted Residential Use |
| | Commercial Use |
| | Industrial Use |

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

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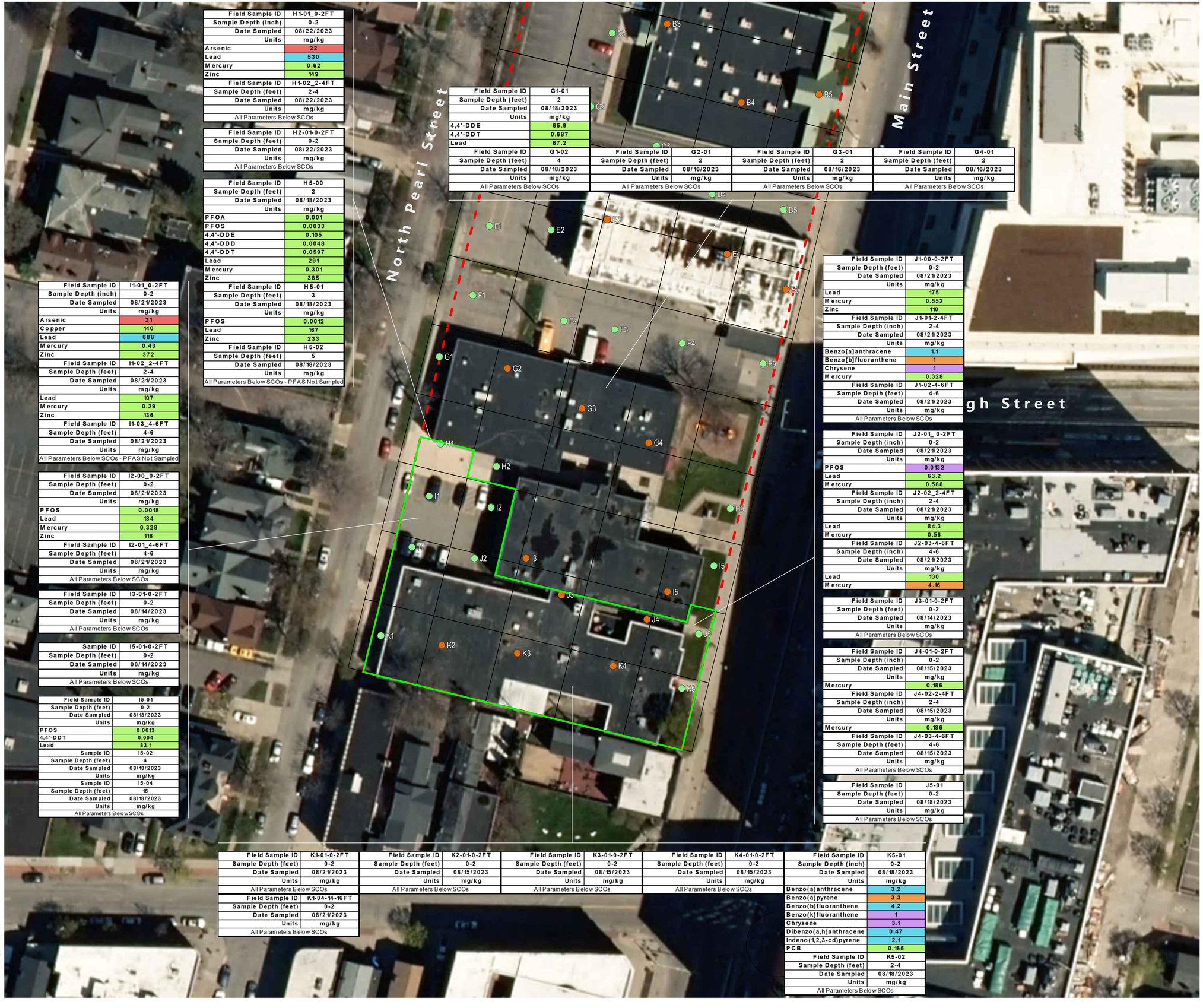


| Field Sample ID | H1-01_0-2FT |
|---|---|
| Sample Depth (inch) | 0-2 |
| Date Sampled | 08/22/2023 |
| Units | mg/kg |
| Arsenic | 22 |
| Lead | 530 |
| Mercury | 0.62 |
| Zinc | 149 |
| Field Sample ID | H1-02_2-4FT |
| Sample Depth (feet) | 2-4 |
| Date Sampled | 08/22/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | H2-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/22/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | H5-00 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| PFOA | 0.001 |
| PFOS | 0.0033 |
| 4,4'-DDE | 0.105 |
| 4,4'-DDD | 0.0048 |
| 4,4'-DDT | 0.0597 |
| Lead | 291 |
| Mercury | 0.301 |
| Zinc | 385 |
| Field Sample ID | H5-01 |
| Sample Depth (feet) | 3 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| PFOS | 0.0012 |
| Lead | 167 |
| Zinc | 233 |
| Field Sample ID | H5-02 |
| Sample Depth (feet) | 5 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs - PFAS Not Sampled | |

| Field Sample ID | G1-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| 4,4'-DDE | 65.9 |
| 4,4'-DDT | 0.687 |
| Lead | 67.2 |
| Field Sample ID | G1-02 |
| Sample Depth (feet) | 4 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | G2-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | G3-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | G4-01 |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 08/16/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | I1-01_0-2FT |
|---|---|
| Sample Depth (inch) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Arsenic | 21 |
| Copper | 140 |
| Lead | 688 |
| Mercury | 0.43 |
| Zinc | 372 |
| Field Sample ID | I1-02_2-4FT |
| Sample Depth (feet) | 2-4 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Lead | 107 |
| Mercury | 0.29 |
| Zinc | 136 |
| Field Sample ID | I1-03_4-6FT |
| Sample Depth (feet) | 4-6 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| All Parameters Below SCOs - PFAS Not Sampled | |

| Field Sample ID | I2-00_0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| PFOS | 0.0018 |
| Lead | 184 |
| Mercury | 0.328 |
| Zinc | 118 |
| Field Sample ID | I2-01_4-6FT |
| Sample Depth (feet) | 4-6 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | I3-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/14/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Sample ID | I5-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/14/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | I5-01 |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| PFOS | 0.0013 |
| 4,4'-DDT | 0.004 |
| Lead | 83.1 |
| Sample ID | I5-02 |
| Sample Depth (feet) | 4 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| Sample ID | I5-04 |
| Sample Depth (feet) | 15 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | J1-00-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Lead | 175 |
| Mercury | 0.552 |
| Zinc | 110 |
| Field Sample ID | J1-01-2-4FT |
| Sample Depth (inch) | 2-4 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Benzo[a]anthracene | 1.1 |
| Benzo[b]fluoranthene | 1 |
| Chrysene | 1 |
| Mercury | 0.328 |
| Field Sample ID | J1-02-4-6FT |
| Sample Depth (feet) | 4-6 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | J2-01_ 0-2FT |
|---|---|
| Sample Depth (inch) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| PFOS | 0.0132 |
| Lead | 63.2 |
| Mercury | 0.588 |
| Field Sample ID | J2-02_2-4FT |
| Sample Depth (inch) | 2-4 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Lead | 84.3 |
| Mercury | 0.56 |
| Field Sample ID | J2-03-4-6FT |
| Sample Depth (inch) | 4-6 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| Lead | 130 |
| Mercury | 4.16 |

| Field Sample ID | J3-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/14/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | J4-01-0-2FT |
|---|---|
| Sample Depth (inch) | 0-2 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| Mercury | 0.186 |
| Field Sample ID | J4-02-2-4FT |
| Sample Depth (inch) | 2-4 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| Mercury | 0.186 |
| Field Sample ID | J4-03-4-6FT |
| Sample Depth (feet) | 4-6 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | J5-01 |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | K1-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |
| Field Sample ID | K1-04-14-16FT |
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/21/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | K2-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | K3-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | K4-01-0-2FT |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/15/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | K5-01 |
|---|---|
| Sample Depth (inch) | 0-2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| Benzo(a)anthracene | 3.2 |
| Benzo(a)pyrene | 3.3 |
| Benzo(b)fluoranthene | 4.2 |
| Benzo(k)fluoranthene | 1 |
| Chrysene | 3.1 |
| Dibenzo(a,h)anthracene | 0.47 |
| Indeno(1,2,3-cd)pyrene | 2.1 |
| PCB | 0.165 |
| Field Sample ID | K5-02 |
| Sample Depth (feet) | 2-4 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

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# Figure 7B

## Subsurface Soil Sampling (South)

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Interior Soil Boring Location
- Exterior Soil Boring Location

### Label Legend

| Field Sample ID | |
|---|---|
| Sample Depth (feet) | |
| Date Sampled | |
| Units | |
| ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES | Unrestricted Use |
| | Residential Use |
| | Restricted Residential Use |
| | Commercial Use |
| | Industrial Use |

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

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| Field Sample ID | B2-00-TP |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Lead | 244 |
| Mercury | 0.541 |
| Zinc | 244 |

| Field Sample ID | TP-01-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Benzo[a]pyrene | 1 |
| Benzo[b]fluoranthene | 1.4 |
| Chrysene | 1 |
| Indeno[1,2,3-cd]pyrene | 0.85 |
| Lead | 281 |
| Mercury | 0.293 |
| Zinc | 137 |

| Field Sample ID | SO-MW-04-52FT |
|---|---|
| Sample Depth (feet) | 52 |
| Date Sampled | 08/29/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | TP-03-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Benzo[a]anthracene | 13 |
| Benzo[a]pyrene | 13 |
| Benzo[b]fluoranthene | 17 |
| Benzo[k]fluoranthene | 5.5 |
| Chrysene | 13 |
| Dibenz(a,h)anthracene | 1.8 |
| Indeno[1,2,3-cd]pyrene | 10 |
| Lead | 181 |
| Mercury | 0.287 |
| Zinc | 321 |

| Field Sample ID | MW-03-45FT |
|---|---|
| Sample Depth (feet) | 45 |
| Date Sampled | 08/22/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | TP-02-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Zinc | 140 |

| Field Sample ID | MW-1-35FT |
|---|---|
| Sample Depth (feet) | 35 |
| Date Sampled | 08/23/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | SO-MW-02-38-40FT |
|---|---|
| Sample Depth (feet) | 38-40 |
| Date Sampled | 08/28/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | TP-04-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| Benzo[b]fluoranthene | 1.1 |
| Indeno[1,2,3-cd]pyrene | 0.68 |
| Lead | 261 |
| Mercury | 1.92 |
| Zinc | 137 |

| Field Sample ID | MW-5-44 FT |
|---|---|
| Sample Depth (feet) | 44 |
| Date Sampled | 08/24/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | I5-01 |
|---|---|
| Sample Depth (feet) | 0-2 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| PFOS | 0.0013 |
| 4,4'-DDT | 0.004 |
| Lead | 83.1 |
| Sample ID | I5-02 |
| Sample Depth (feet) | 4 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| Sample ID | I5-04 |
| Sample Depth (feet) | 15 |
| Date Sampled | 08/18/2023 |
| Units | mg/kg |
| All Parameters Below SCOs | |

| Field Sample ID | TP-05-2FT |
|---|---|
| Sample Depth (feet) | 2 |
| Date Sampled | 09/12/2023 |
| Units | mg/kg |
| PCB | 0.269 |
| Lead | 106 |
| Mercury | 0.346 |

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# Figure 7C

## Subsurface Soil Sampling (Monitoring Wells and Test Pits)

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Groundwater Monitoring Well
- Test Pit Location

### Label Legend

| Field Sample ID | |
|---|---|
| Sample Depth (feet) | |
| Date Sampled | |
| Units | |
| ANALYTE CONCENTRATION EXCEED PART 375 SOIL CLEANUP OBJECTIVES | Unrestricted Use |
| | Residential Use |
| | Restricted Residential Use |
| | Commercial Use |
| | Industrial Use |

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

# Hope on Main
# 954 Main Street
# Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

cmartin 2/6/2024 2:29:24 PM F:\Projects\Y59A - SAB Hope LLC\Design\CADD\Model Files\soil sampling3.dwg

| Field Sample ID | | MW-04 | |
|---|---|---|---|
| Date Sampled | | 09/14/2023 | 10/17/2023 |
| | Units | ug/l | ug/l |
| Tetrachloroethene | 5 | 5 | 3.4 |
| 1,2-Dichloroethane | 0.6 | 0.83 | 0.64 |
| Benzo(b)fluoranthene | 0.002 | 0.01 | ND |
| Benzo(k)fluoranthene | 0.002 | 0.01 | ND |
| Iron, Total | 300 | 356 | 304 |
| Magnesium, Total | 35000 | 69200 | 65700 |
| Sodium, Total | 2000 | 340000 | 377000 |

| Field Sample ID | | MW-01 | |
|---|---|---|---|
| Date Sampled | | 09/14/2023 | 10/17/2023 |
| | Units | ug/l | ug/l |
| Chloroform | 7 | 9.2 | 8.4 |
| Aluminum, Total | 2000 | 116000 | 1780 |
| Arsenic, Total | 50 | 70.13 | 1.68 |
| Barium, Total | 1000 | 1848 | 316.6 |
| Beryllium, Total | 3 | 5.37 | ND |
| Cadmium, Total | 10 | 13.38 | 0.27 |
| Chromium, Total | 100 | 259.2 | 6.82 |
| Copper, Total | 200 | 494.4 | 17.13 |
| Iron, Total | 300 | 247000 | 2580 |
| Lead, Total | 50 | 612.4 | 7.47 |
| Magnesium, Total | 35000 | 477000 | 107000 |
| Manganese, Total | 600 | 7033 | 98.04 |
| Nickel, Total | 200 | 267.4 | 10.19 |
| Selenium, Total | 20 | 71.7 | 2.14 |
| Thallium, Total | 0.5 | 2.37 | ND |
| Zinc, Total | 2000 | 3838 | 58.81 |

| Field Sample ID | | MW-03 | |
|---|---|---|---|
| Date Sampled | | 09/15/2023 | 10/17/2023 |
| | Units | ug/l | ug/l |
| Tetrachloroethene | 5 | 4.8 | 5 |
| Benzo(a)pyrene | 0.002 | ND | 0.04J |
| Benzo(b)fluoranthene | 0.002 | ND | 0.04J |
| Benzo(k)fluoranthene | 0.002 | ND | 0.02J |
| Indeno(1,2,3-cd)pyrene | 0.002 | ND | 0.03J |
| Chromium, Total | 50 | 76.58 | ND |
| Iron, Total | 300 | 968 | 298 |
| Magnesium, Total | 35000 | 56300 | 63500 |
| Sodium, Total | 2000 | 383000 | 413000 |

| Field Sample ID | | MW-02 | |
|---|---|---|---|
| Date Sampled | | 09/15/2023 | 10/17/2023 |
| | Units | ug/l | ug/l |
| Benzo(b)fluoranthene | 0.002 | ND | 0.02 |
| Benzo(k)fluoranthene | 0.002 | ND | 0.01 |
| Indeno(1,2,3-cd)pyrene | 0.002 | ND | 0.01 |
| Iron, Total | 300 | 2820 | 2630 |
| Magnesium, Total | 35000 | 64500 | 79700 |

| Field Sample ID | | MW-05 | |
|---|---|---|---|
| Date Sampled | | 09/14/2023 | 10/17/2023 |
| | Units | ug/l | ug/l |
| Benzo(a)anthracene | 0.002 | ND | 0.02 |
| Benzo(a)pyrene | 0.002 | ND | 0.03 |
| Benzo(b)fluoranthene | 0.002 | 0.02 | 0.04 |
| Benzo(k)fluoranthene | 0.002 | 0.01 | 0.02 |
| Chrysene | 0.002 | 0.01 | 0.02 |
| Indeno(1,2,3-cd)pyrene | 0.002 | ND | 0.03 |
| Iron, Total | 300 | 1590 | 2500 |
| Magnesium, Total | 35000 | 51100 | 56600 |

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# Figure 8

## Groundwater Sampling

Brownfield Cleanup Program (BCP) Site

Interim Remedial Measure (IRM) Boundary

Groundwater Monitoring Well

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

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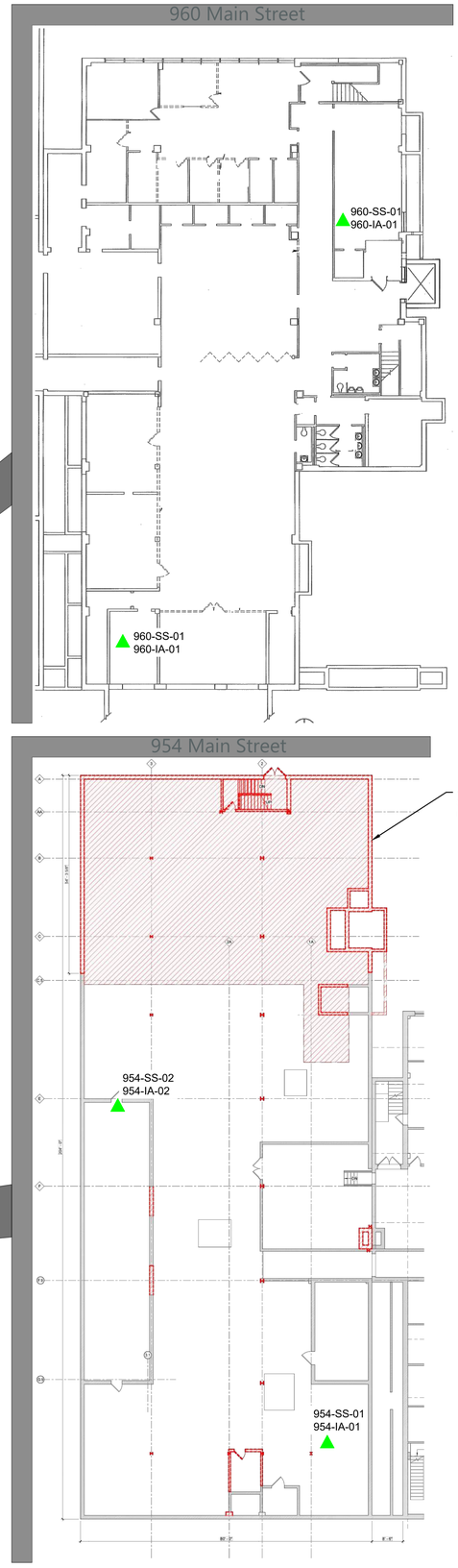


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# Figure 10

## Soil Vapor Sampling

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Sub-slab Vapor and Air Sampling Location
- Groundwater Monitoring Well

N

0 30 60 Feet

1" = 30'

When printed on 24 in. by 36 in.

Hope on Main
954 Main Street
Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

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# Figure 10

## IRM Track 1 Cleanup

- Brownfield Cleanup Program (BCP) Site
- Interim Remedial Measure (IRM) Boundary
- Confirmatory Sample Location
- Perimeter Soil Sample Location

## Excavation Depth (feet)

- 4
- 6

| Grid | Area | Depth of Excavation | In-place Volume | In-place Volume | Potential Tonnage |
|---|---|---|---|---|---|
| | square foot | feet | cubic feet | cubic yard | |
| **H1** | 770.92 | 4 | 3083.66 | 114.21 | 199.87 |
| **I1** | 1941.28 | 6 | 11647.67 | 431.39 | 754.94 |
| **I2** | 1766.46 | 6 | 10598.75 | 392.55 | 686.96 |
| **J1** | 1066.90 | 6 | 6401.40 | 237.09 | 414.91 |
| **J2** | 829.88 | 6 | 4979.26 | 184.42 | 322.73 |
| **J3** | 211.14 | 0 | 0.00 | 0.00 | 0.00 |
| **J4** | 728.12 | 4 | 2912.48 | 107.87 | 188.77 |
| **J5** | 1081.23 | 0 | 0.00 | 0.00 | 0.00 |
| **K1** | 476.55 | 0 | 0.00 | 0.00 | 0.00 |
| **K5** | 910.55 | 4 | 3642.21 | 134.90 | 236.07 |

- Material consists of non-hazardous contaminated historic fill material and impacted native soil
- Excavation based on in-place volumes of contaminated material. Potential volume of recyclable concrete, asphalt or brick is not included.
- Assumes a tonnage conversion factor of 125 per cubic foot or 1.75 per cubic yard.

Total Cubic Yards = 1,654.29
Potential Tonnage = 2,895.00

N

0 30.0001 60.0001 Feet

1" = 30'

When printed on 24 in. by 36 in.

# Hope on Main
# 954 Main Street
# Brownfield Cleanup Program

Sources: Survey information was provided by GPI Engineering, Landscape, Architecture & Surveying, LLP dated 12/10/2021. C&S Engineers, Inc. assumes no responsibility for its accuracy.

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# TABLES

**TABLE 1**

# Remedial Investigation Sampling Logs
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

## Surface Sample Log

| Sample ID | Site | Date | Time | Matrix | Depth (in) | VOC | PFAS | SVOC | Silvex | Pest. | PCBs | Metals | Cyanide | Hex Chrome |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SS-01** | 954 – 1000 Main Street. | 8/9/2023 | 11:00 | Surface Soil | 0 – 2 | X | X | X | X | X | X | X | X | X |
| **SS-02-110323** | 954 – 1000 Main Street | 11/13/2023 | 09:35 | Surface Soil | 0 – 2 | X | X | X | X | | X | X | X | X |
| **SS-03-110323** | 954 – 1000 Main Street | 11/13/2023 | 09:45 | Surface Soil | 0 – 2 | X | X | X | X | | X | X | X | X |
| **SS-04-110323** | 954 – 1000 Main Street | 11/13/2023 | 10:05 | Surface Soil | 0 – 2 | X | X | X | X | | X | X | X | X |

## Groundwater Sample Log

| Sample ID | Site | Date | Time | Matrix | Depth | VOC | 1,4-dioxane | PFAS | SVOC | Silvex | Pest. | PCBs | Metals | Cyanide | Hex Chrome |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GW-MW-01-091423** | 954 – 1000 Main Street. | 9/14/2023 | 11:05 | Water | 32.5' - 42.5' | X | X | X | X | X | X | X | X | X | X |
| **GW-MW-02-091523** | 954 – 1000 Main Street. | 9/15/2023 | 10:15 | Water | 33' - 43' | X | X | | X | X | X | X | X | X | X |
| **GW-MW-03-091523** | 954 – 1000 Main Street. | 9/15/2023 | 08:15 | Water | 36.5' - 46.5' | X | X | | X | X | X | X | X | X | X |
| **GW-MW-04-091423** | 954 – 1000 Main Street. | 9/14/2023 | 09:20 | Water | 44' - 54' | X | X | X | X | X | X | X | X | X | X |
| **GW-MW-05-091423** | 954 – 1000 Main Street. | 9/14/2023 | 02:00 | Water | 35' - 45' | X | X | X | X | X | X | X | X | X | X |
| **GW-MW-01-101723** | 954 – 1000 Main Street. | 10/17/2023 | 10:45 | Water | 32.5' - 42.5' | X | X | | X | | X | X | X | X | |
| **GW-MW-02-101723** | 954 – 1000 Main Street. | 10/17/2023 | 12:20 | Water | 33' - 43' | X | X | X | X | | X | X | X | X | |
| **GW-MW-03-101723** | 954 – 1000 Main Street. | 10/17/2023 | 02:25 | Water | 36.5' - 46.5' | X | X | X | X | | X | X | X | X | |
| **GW-MW-04-101723** | 954 – 1000 Main Street. | 10/17/2023 | 09:10 | Water | 44' - 54' | X | X | | X | | X | X | X | X | |
| **GW-MW-05-101723** | 954 – 1000 Main Street. | 10/17/2023 | 03:30 | Water | 35' - 45' | X | X | | X | | X | X | X | X | |

## Subsurface Soil Sample Log

| Sample ID | Site | Date | Time | Matrix | Depth (ft) | VOC | PFAS | SVOC | Silvex | Pest. | PCBs | Metals | Cyanide | Hex Chrome |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A1-00-3FT** | 954 – 1000 Main Street. | 8/7/2023 | 09:00 | HFM | 3 | X | X | X | X | X | X | X | X | X |
| **A1-01-5FT** | 954 – 1000 Main Street | 8/7/2023 | 09:15 | Native Soil | 5 | X | X | X | | | | X | X | |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A2-01-2FT** | 954 – 1000 Main Street | 8/7/2023 | 09:50 | Native Soil | 2 | X | X | X | X | X | X | X | X | X |
| **A2-02-3FT** | 954 – 1000 Main Street | 8/7/2023 | 09:55 | Native Soil | 3 | | | | | X | | | | |
| **A3-01-2FT** | 954 – 1000 Main Street | 8/7/2023 | 11:30 | Native Soil | 2 | X | X | X | | | | X | X | |
| **A4-01-2FT** | 954 – 1000 Main Street | 8/8/2023 | 11:20 | Native Soil | 2 | X | X | X | | | | X | X | |
| **A5-01-3FT** | 954 – 1000 Main Street | 8/8/2023 | 09:45 | Native Soil | 3 | X | X | X | | | | X | X | |
| **B2-00-TP** | 954 – 1000 Main Street | 9/12/2023 | 11:10 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **B2-00-2FT** | 954 – 1000 Main Street | 8/8/2023 | 01:15 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **B2-01-3FT** | 954 – 1000 Main Street | 8/8/2023 | 01:20 | Native Soil | 3 | X | X | X | X | X | X | X | X | X |
| **B2-02-4FT** | 954 – 1000 Main Street | 8/8/2023 | 01:30 | Native Soil | 4 | X | X | X | X | X | X | X | X | X |
| **B3-01-** | 954 – 1000 Main Street | 8/17/2023 | 09:40 | Native Soil | 2 | X | X | X | | | | X | X | |
| **B4-01-** | 954 – 1000 Main Street | 8/17/2023 | 02:00 | Native Soil | 2 | X | X | X | | | | X | X | |
| **DUP-B** | 954 – 1000 Main Street | 8/17/2023 | 02:00 | Native Soil | 2 | X | X | X | | | | X | X | |
| **B4-02-** | 954 – 1000 Main Street | 8/17/2023 | 02:10 | Native Soil | 4 | | | X | | | | X | | |
| **B5-01-** | 954 – 1000 Main Street | 8/17/2023 | 02:30 | Native Soil | 2 | X | X | X | | | | X | X | |
| **C1-01-5FT** | 954 – 1000 Main Street | 8/9/2023 | 08:30 | Native Soil | 5 | X | X | X | | | | X | X | |
| **C2-01-3FT** | 954 – 1000 Main Street | 8/8/2023 | 02:30 | Native Soil | 3 | X | X | X | | | | X | X | |
| **C3-01-4FT** | 954 – 1000 Main Street | 8/9/2023 | 10:00 | Native Soil | 4 | X | X | X | | | | X | X | |
| **C4-00-1FT** | 954 – 1000 Main Street | 8/9/2023 | 11:30 | HFM | 1 | X | X | X | X | X | X | X | X | X |
| **C4-01-2FT** | 954 – 1000 Main Street | 8/9/2023 | 11:37 | Native Soil | 2 | X | X | X | X | X | X | X | X | X |
| **C5-01-3FT** | 954 – 1000 Main Street | 8/9/2023 | 01:30 | Native Soil | 3 | X | X | X | | | | X | X | |
| **D1-01 2FT** | 954 – 1000 Main Street | 8/10/2023 | 11:55 | Native Soil | 2 | X | X | X | | | | X | X | |
| **D2-01 3FT** | 954 – 1000 Main Street | 8/10/2023 | 10:50 | Native Soil | 3 | X | X | X | | | | X | X | |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **D3-01 5FT** | 954 – 1000 Main Street | 8/10/2023 | 09:30 | Native Soil | 5 | X | X | X | X | X | X | X | X | X |
| **D4-01 2FT** | 954 – 1000 Main Street | 8/10/2023 | 08:05 | Native Soil | 2 | X | X | X | | | | X | X | |
| **D4-02 3FT** | 954 – 1000 Main Street | 8/10/2023 | 08:10 | Native Soil | 3 | | | | | | | X | | |
| **D5-01-1FT** | 954 – 1000 Main Street | 8/9/2023 | 02:30 | Native Soil | 1 | X | X | X | | | | X | X | |
| **E1-00 1FT** | 954 – 1000 Main Street | 8/10/2023 | 01:15 | HFM | 1 | X | X | X | X | X | X | X | X | X |
| **E1-01 2FT** | 954 – 1000 Main Street | 8/10/2023 | 01:20 | Native Soil | 2 | X | X | X | X | X | X | X | X | X |
| **E1-02 3FT** | 954 – 1000 Main Street | 8/10/2023 | 01:25 | Native Soil | 3 | | | | | | | X | | |
| **E2-01 1FT** | 954 – 1000 Main Street | 8/10/2023 | 02:20 | Native Soil | 1 | X | X | X | | | | X | X | |
| **E3-01** | 954 – 1000 Main Street | 8/16/2023 | 01:00 | Native Soil | 2 | X | X | X | | | | X | X | |
| **E4-01** | 954 – 1000 Main Street | 8/16/2023 | 01:50 | Native Soil | 2 | X | X | X | | | | X | X | |
| **E5-01** | 954 – 1000 Main Street | 8/16/2023 | 02:50 | Native Soil | 2 | X | X | X | | | | X | X | |
| **F1-01 1FT** | 954 – 1000 Main Street | 8/11/2023 | 07:50 | Native Soil | 1 | X | X | X | X | X | X | X | X | X |
| **F1-02 2FT** | 954 – 1000 Main Street | 8/11/2023 | 07:55 | Native Soil | 2 | | | | | | | X | | |
| **F1-04 15FT** | 954 – 1000 Main Street | 8/11/2023 | 08:35 | Native Soil | 15 | X | X | X | | | | X | X | |
| **F2-00 1FT** | 954 – 1000 Main Street | 8/11/2023 | 09:30 | HFM | 1 | X | X | X | X | X | X | X | X | X |
| **F2-01 2FT** | 954 – 1000 Main Street | 8/11/2023 | 09:25 | Native Soil | 2 | X | X | X | | | | X | X | |
| **F2-04 15FT** | 954 – 1000 Main Street | 8/11/2023 | 10:15 | Native Soil | 15 | X | X | X | | | | X | X | |
| **F3-00-1FT** | 954 – 1000 Main Street | 8/11/2023 | 10:45 | HFM | 1 | X | X | X | X | X | X | X | X | X |
| **F3-01 2FT** | 954 – 1000 Main Street | 8/11/2023 | 10:30 | Native Soil | 2 | X | X | X | | | | X | X | |
| **DUP-C** | 954 – 1000 Main Street | 8/11/2023 | 11:05 | Native Soil | 2 | X | X | X | | | | X | X | |
| **F4-01 2FT** | 954 – 1000 Main Street | 8/11/2023 | 12:45 | Native Soil | 2 | X | X | X | | | | X | X | |
| **F5-01 2FT** | 954 – 1000 Main Street | 8/11/2023 | 02:10 | Native Soil | 2 | X | X | X | | | | X | X | |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **G1-01** | 954 – 1000 Main Street | 8/18/2023 | 08:30 | Native Soil | 2 | X | X | X | X | X | X | X | X | X |
| **G1-02** | 954 – 1000 Main Street | 8/18/2023 | 08:50 | Native Soil | 4 | | | | | X | | X | | |
| **G2-01** | 954 – 1000 Main Street | 8/16/2023 | 09:50 | Native Soil | 2 | X | X | X | | | | X | X | |
| **G3-01** | 954 – 1000 Main Street | 8/16/2023 | 11:00 | Native Soil | 2 | X | X | X | | | | X | X | |
| **G4-01** | 954 – 1000 Main Street | 8/16/2023 | 08:20 | Native Soil | 2 | X | X | X | | | | X | X | |
| **H1-01_0-2FT** | 954 – 1000 Main Street | 8/22/2023 | 08:10 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **H1-02_2-4FT** | 954 – 1000 Main Street | 8/22/2023 | 08:20 | Native Soil | 2-4 | | | | | | | X | | |
| **H2-01-0-2FT** | 954 – 1000 Main Street | 8/22/2023 | 09:00 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **H5-00** | 954 – 1000 Main Street | 8/18/2023 | 10:20 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **H5-01** | 954 – 1000 Main Street | 8/18/2023 | 10:30 | Native Soil | 3 | X | X | X | | | | X | X | |
| **H5-02** | 954 – 1000 Main Street | 8/18/2023 | 10:40 | Native Soil | 5 | | | | | | | X | | |
| **I1-01_0-2FT** | 954 – 1000 Main Street | 8/21/2023 | 10:00 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **DUP-D** | 954 – 1000 Main Street | 8/21/2023 | 10:15 | Native Soil | | X | X | X | | | | X | X | |
| **I1-02_2-4FT** | 954 – 1000 Main Street | 8/21/2023 | 10:10 | Native Soil | 2-4 | | | | | | | X | | |
| **I1-03_4-6FT** | 954 – 1000 Main Street | 8/21/2023 | 10:20 | Native Soil | 4-6 | | | | | | | X | | |
| **I2-00_0-2FT** | 954 – 1000 Main Street | 8/21/2023 | 11:10 | HFM | 0-2 | X | X | X | X | X | X | X | X | X |
| **I2-01_4-6FT** | 954 – 1000 Main Street | 8/21/2023 | 11:20 | Native Soil | 4-6 | X | X | X | X | X | X | X | X | X |
| **I3-01-0-2FT** | 954 – 1000 Main Street | 8/14/2023 | 11:00 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **I5-01-0-2FT** | 954 – 1000 Main Street | 8/14/2023 | 12:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **I5-01** | 954 – 1000 Main Street | 8/18/2023 | 11:30 | Native Soil | 0-2 | X | X | X | X | X | X | X | X | X |
| **I5-02** | 954 – 1000 Main Street | 8/18/2023 | 12:00 | Native Soil | 4 | | | | | X | | X | | |
| **I5-04** | 954 – 1000 Main Street | 8/18/2023 | 12:20 | Native Soil | 15 | X | X | X | | | | X | X | |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **J1-00-0-2FT** | 954 – 1000 Main Street | 8/21/2023 | 01:30 | HFM | 0-2 | X | X | X | X | X | X | X | X | X |
| **J1-01-2-4FT** | 954 – 1000 Main Street | 8/21/2023 | 01:40 | Native Soil | 2-4 | X | X | X | X | X | X | X | X | X |
| **DUP-A** | 954 – 1000 Main Street | 8/21/2023 | 01:45 | Native Soil | 4-6 | X | X | X | X | X | X | X | X | X |
| **J1-02-4-6FT** | 954 – 1000 Main Street | 8/21/2023 | 01:50 | Native Soil | 4-6 | | | X | | | | X | | |
| **J2-01_ 0-2FT** | 954 – 1000 Main Street | 8/21/2023 | 12:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **J2-02_2-4FT** | 954 – 1000 Main Street | 8/21/2023 | 12:40 | Native Soil | 2-4 | | | | | | | X | | |
| **J2-03-4-6FT** | 954 – 1000 Main Street | 8/21/2023 | 12:50 | Native Soil | 4-6 | | | | | | | X | | |
| **J3-01-0-2FT** | 954 – 1000 Main Street | 8/14/2023 | 09:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **J4-01-0-2FT** | 954 – 1000 Main Street | 8/15/2023 | 01:20 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **J4-02-2-4FT** | 954 – 1000 Main Street | 8/15/2023 | 01:30 | Native Soil | 2-4 | | | | | | | X | | |
| **J4-03-4-6FT** | 954 – 1000 Main Street | 8/15/2023 | 01:40 | Native Soil | 4-6 | | | | | | | X | | |
| **J5-01** | 954 – 1000 Main Street | 8/18/2023 | 01:20 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **K1-01-0-2FT** | 954 – 1000 Main Street | 8/21/2023 | 02:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **K1-04-14-16FT** | 954 – 1000 Main Street | 8/21/2023 | 03:00 | Native Soil | 14-16 | X | X | X | | | | X | X | |
| **K2-01-0-2FT** | 954 – 1000 Main Street | 8/15/2023 | 08:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **K3-01-0-2FT** | 954 – 1000 Main Street | 8/15/2023 | 11:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **K4-01-0-2FT** | 954 – 1000 Main Street | 8/15/2023 | 10:30 | Native Soil | 0-2 | X | X | X | | | | X | X | |
| **K5-01** | 954 – 1000 Main Street | 8/18/2023 | 02:00 | Native Soil | 0-2 | X | X | X | X | X | X | X | X | X |
| **K5-02** | 954 – 1000 Main Street | 8/18/2023 | 02:10 | Native Soil | 2-4 | | | X | | | X | | | |
| **MW-03-45FT** | 954 – 1000 Main Street | 8/22/2023 | 04:00 | Native Soil | 45 | X | X | X | | | | X | X | |
| **MW-1-35FT** | 954 – 1000 Main Street | 8/23/2023 | 01:30 | Native Soil | 35 | X | X | X | | | | X | X | |
| **MW-5-44 FT** | 954 – 1000 Main Street | 8/24/2023 | 03:30 | Native Soil | 44 | X | X | X | | | | X | X | |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SO-MW-02-38-40FT** | 954 – 1000 Main Street | 8/28/2023 | 11:30 | Native Soil | 38-40 | X | X | X | X | X | X | X | X | X |
| **SO-MW-04-52FT** | 954 – 1000 Main Street | 8/29/2023 | 11:00 | Native Soil | 52 | X | X | X | X | X | X | X | X | X |
| **TP-01-2FT** | 954 – 1000 Main Street | 9/12/2023 | 09:50 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **TP-02-2FT** | 954 – 1000 Main Street | 9/12/2023 | 09:40 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **TP-03-2FT** | 954 – 1000 Main Street | 9/12/2023 | 09:00 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **TP-04-2FT** | 954 – 1000 Main Street | 9/12/2023 | 12:30 | HFM | 2 | X | X | X | X | X | X | X | X | X |
| **TP-05-2FT** | 954 – 1000 Main Street | 9/12/2023 | 09:20 | HFM | 2 | X | X | X | X | X | X | X | X | X |

**Waste Characterization Sample Log**

| Sample ID | Site | Date | Time | Matrix | Depth (ft) | TCLP VOC | TCLP SVOC | TCLP Herb. | PCBs | TCLP Metals | pH | Reactivity | Ignitibility | Hex Chrome |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A1-WC** | 954 – 1000 Main Street. | 8/7/2023 | 01:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **A5-WC** | 954 – 1000 Main Street | 8/8/2023 | 10:15 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **B2-WC** | 954 – 1000 Main Street | 8/8/2023 | 02:30 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **C2-WC** | 954 – 1000 Main Street | 8/8/2023 | 03:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **C4-WC** | 954 – 1000 Main Street. | 9/12/2023 | 10:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **D3-WC** | 954 – 1000 Main Street. | 9/12/2023 | 12:25 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **F1-WC** | 954 – 1000 Main Street. | 8/11/2023 | 02:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **F2-WC** | 954 – 1000 Main Street. | 9/12/2023 | 09:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **F4-WC** | 954 – 1000 Main Street. | 9/12/2023 | 10:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **H1-WC** | 954 – 1000 Main Street. | 8/22/2023 | 08:40 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **I2-WC** | 954 – 1000 Main Street. | 8/21/2023 | 11:50 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **J1-WC** | 954 – 1000 Main Street. | 8/21/2023 | 01:10 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |

**TABLE 1**

**Remedial Investigation Sampling Logs**
**Hope on Main - 954 Main Street**
**Brownfield Cleanup Program**

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **J2-WC** | 954 – 1000 Main Street. | 8/21/2023 | 01:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **J5-WC** | 954 – 1000 Main Street. | 8/18/2023 | 03:50 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **J5-WC** | 954 – 1000 Main Street. | 9/12/2023 | 09:30 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **K1-WC** | 954 – 1000 Main Street. | 8/21/2023 | 03:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |
| **K5-WC** | 954 – 1000 Main Street. | 8/18/2023 | 03:00 | HFM | 1-3 | X | X | X | X | X | X | X | X | X |

**Soil Vapor Sample Log**

| Sample ID | Site | Date | Time | Matrix | TO-15 | TO-15 SIM |
|---|---|---|---|---|---|---|
| **954-SS-01** | 954 Main Street | 12/5/2023 | 11:00 | Soil Vapor | X | |
| **954-IA-01** | 954 Main Street | 12/5/2023 | 11:01 | Indoor Air | | X |
| **954-SS-02** | 954 Main Street | 12/5/2023 | 10:58 | Soil Vapor | X | |
| **954-IA-02** | 954 Main Street | 12/5/2023 | 10:59 | Indoor Air | | X |
| **960-SS-01** | 960 Main Street | 12/5/2023 | 10:54 | Soil Vapor | X | |
| **960-IA-01** | 960 Main Street | 12/5/2023 | 10:55 | Indoor Air | | X |
| **960-SS-02** | 960 Main Street | 12/5/2023 | 10:53 | Soil Vapor | X | |
| **960-IA-02** | 960 Main Street | 12/5/2023 | 10:52 | Indoor Air | | X |
| **OA-01-120523** | 954 – 1000 Main Street | 12/5/2023 | 11:05 | Outdoor Air | | X |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | | **SS-01** | | |
| | | | | | | **COLLECTION DATE:** | | | **8/9/2023** | | |
| | | | | | | **SAMPLE DEPTH:** | | | **0-2"** | | |
| | | | | | | **SAMPLE MATRIX:** | | | **SOIL** | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0074 | ND | | 0.007 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0015 | ND | | 0.0014 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0022 | ND | | 0.0021 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0015 | ND | | 0.0014 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00074 | ND | | 0.0007 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00074 | ND | | 0.0007 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0015 | ND | | 0.0014 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00074 | ND | | 0.0007 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00074 | ND | | 0.0007 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00074 | ND | | 0.0007 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00074 | ND | | 0.0007 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00074 | ND | | 0.0007 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.0015 | ND | | 0.0014 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0029 | ND | | 0.0028 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0015 | ND | | 0.0014 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0029 | ND | | 0.0028 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0022 | ND | | 0.0021 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00074 | ND | | 0.0007 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0029 | ND | | 0.0028 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0029 | ND | | 0.0028 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0029 | ND | | 0.0028 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0029 | ND | | 0.0028 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0029 | ND | | 0.0028 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.015 | ND | | 0.014 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.015 | ND | | 0.014 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.015 | ND | | 0.014 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.015 | ND | | 0.014 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.015 | ND | | 0.014 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.015 | ND | | 0.014 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0029 | ND | | 0.0028 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0042 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0015 | ND | | 0.0014 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0059 | ND | | 0.0056 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0014 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0029 | ND | | 0.0028 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0029 | ND | | 0.0028 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0029 | ND | | 0.0028 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.015 | ND | | 0.014 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0059 | ND | | 0.0056 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | 0.000355 | J | 0.000777 | 0.000247 | J | 0.000797 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | 0.000497 | | 0.000388 | 0.000386 | J | 0.000399 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | 0.00037 | | 0.000194 | 0.00026 | | 0.000199 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | 0.00019 | J | 0.000194 | 0.000167 | J | 0.000199 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | 0.000444 | | 0.000194 | 0.0005 | | 0.000199 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | **SS-01** | | | **SS-02-110323** | |
| | | | | | | **COLLECTION DATE:** | | **8/9/2023** | | | **11/3/2023** | |
| | | | | | | **SAMPLE DEPTH:** | | **0-2"** | | | **0-2"** | |
| | | | | | | **SAMPLE MATRIX:** | | **SOIL** | | | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | 0.00022 | | 0.000194 | 0.000218 | | 0.000199 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | **0.00142** | | 0.000194 | **0.00207** | | 0.000199 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | 0.000182 | J | 0.000194 | 0.000372 | | 0.000199 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | 0.000105 | J | 0.000194 | 0.000104 | J | 0.000199 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.000194 | 0.000082 | J | 0.000199 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | 0.000065 | J | 0.000194 | 0.000161 | J | 0.000199 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000777 | ND | | 0.000797 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.000194 | ND | | 0.000199 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.00194 | ND | | 0.00199 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.00194 | ND | | 0.00199 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000388 | ND | | 0.000399 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000388 | ND | | 0.000399 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000388 | ND | | 0.000399 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000388 | ND | | 0.000399 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000971 | ND | | 0.000997 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00485 | ND | | 0.00498 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00485 | ND | | 0.00498 |
| **SVOCs** | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.17 | 1.2 | | 0.17 |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.12 | ND | | 0.13 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.19 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.76 | | 0.12 | 21 | E | 0.13 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.25 | ND | | 0.26 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.23 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.6 | ND | | 0.61 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.17 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.19 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.21 | 0.13 | J | 0.21 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.19 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.17 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | 0.12 | J | 0.21 | 0.39 | | 0.21 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.3 | | 0.12 | **9.1** | **E** | 0.13 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | 0.42 | | 0.17 | **9.2** | **E** | 0.17 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.61 | | 0.12 | **13** | **E** | 0.13 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | 0.18 | | 0.12 | **2.5** | | 0.13 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.4 | | 0.12 | **9** | **E** | 0.13 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.17 | 0.075 | J | 0.17 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.12 | 2.9 | | 0.13 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.34 | | 0.17 | 5.6 | | 0.17 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.21 | 1.2 | | 0.21 |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | **SS-01** | | | **SS-02-110323** | |
| | | | | | | **COLLECTION DATE:** | | **8/9/2023** | | | **11/3/2023** | |
| | | | | | | **SAMPLE DEPTH:** | | **0-2"** | | | **0-2"** | |
| | | | | | | **SAMPLE MATRIX:** | | **SOIL** | | | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.23 | | 0.12 | 14 | E | 0.13 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | 0.065 | J | 0.12 | **1.2** | | 0.13 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.39 | | 0.17 | **7.4** | | 0.17 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.6 | | 0.12 | 17 | E | 0.13 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.48 | 0.041 | J | 0.49 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.21 | 0.57 | | 0.21 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.25 | 0.11 | J | 0.26 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.12 | ND | | 0.13 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.19 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.45 | ND | | 0.46 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.29 | ND | | 0.3 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 1 | ND | | 1 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.54 | ND | | 0.56 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.17 | ND | | 0.17 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.21 | ND | | 0.21 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.21 | ND | | 0.21 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.3 | ND | | 0.31 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| Carbazole | NA | NA | NA | NA | NA | 0.047 | J | 0.21 | 1.8 | | 0.21 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.17 |
| Benzaldehyde | NA | NA | NA | NA | NA | 0.058 | J | 0.28 | ND | | 0.28 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.21 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.031 | ND | | 0.032 |
| **HERBICIDES** | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.208 | ND | | 0.213 |
| **PESTICIDES** | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.002 | ND | | 0.00203 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000834 | ND | | 0.000847 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000834 | ND | | 0.000847 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.002 | ND | | 0.00203 |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | ND | | 0.001 | ND | | 0.00102 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | ND | | 0.002 | ND | | 0.00203 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | ND | | 0.00375 | ND | | 0.00381 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | ND | | 0.000834 | ND | | 0.000847 |
| Endrin aldehyde | NA | NA | NA | NA | NA | ND | | 0.0025 | ND | | 0.00254 |
| Endrin ketone | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.00203 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | ND | | 0.00125 | ND | | 0.00127 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | 0.00105 | JIP | 0.002 | ND | | 0.00203 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | ND | | 0.002 | ND | | 0.00203 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | ND | | 0.002 | ND | | 0.00203 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.002 | ND | | 0.00203 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.002 | ND | | 0.00203 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.000834 | ND | | 0.000847 |
| Methoxychlor | NA | NA | NA | NA | NA | ND | | 0.00375 | ND | | 0.00381 |
| Toxaphene | NA | NA | NA | NA | NA | ND | | 0.0375 | ND | | 0.0381 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | ND | | 0.0025 | ND | | 0.00254 |
| trans-Chlordane | NA | NA | NA | NA | NA | ND | | 0.0025 | ND | | 0.00254 |
| Chlordane | NA | NA | NA | NA | NA | ND | | 0.0167 | ND | | 0.0169 |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.061 | ND | | 0.0636 |
| **METALS** | | | | | | | | | | | |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | **SS-01** | | | **SS-02-110323** | |
| | | | | | | **COLLECTION DATE:** | | **8/9/2023** | | | **11/3/2023** | |
| | | | | | | **SAMPLE DEPTH:** | | **0-2"** | | | **0-2"** | |
| | | | | | | **SAMPLE MATRIX:** | | **SOIL** | | | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| Aluminum, Total | NA | NA | NA | NA | NA | 7510 | | 9.75 | 6460 | | 10.2 |
| Antimony, Total | NA | NA | NA | NA | NA | 1.33 | J | 4.87 | 0.656 | J | 5.08 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 3.78 | | 0.975 | 4.92 | | 1.02 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 65.3 | | 0.975 | 64 | | 1.02 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.459 | J | 0.487 | 0.397 | J | 0.508 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.32 | J | 0.975 | 0.599 | J | 1.02 |
| Calcium, Total | NA | NA | NA | NA | NA | 8710 | | 9.75 | 9580 | | 10.2 |
| Chromium, Total | NA | NA | NA | NA | NA | 16.7 | | 0.975 | 18.3 | | 1.02 |
| Cobalt, Total | NA | NA | NA | NA | NA | 5.16 | | 1.95 | 4.02 | | 2.03 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 21.2 | | 0.975 | 24.3 | | 1.02 |
| Iron, Total | NA | NA | NA | NA | NA | 14600 | | 4.87 | 14400 | | 5.08 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 40.5 | | 4.87 | **206** | | 5.08 |
| Magnesium, Total | NA | NA | NA | NA | NA | 3520 | | 9.75 | 3120 | | 10.2 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 376 | | 0.975 | 296 | | 1.02 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.069 | J | 0.084 | **0.644** | | 0.085 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 12.5 | | 2.44 | 12.1 | | 2.54 |
| Potassium, Total | NA | NA | NA | NA | NA | 665 | | 244 | 738 | | 254 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | 0.279 | J | 1.95 | 0.865 | J | 2.03 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.487 | ND | | 0.508 |
| Sodium, Total | NA | NA | NA | NA | NA | 96.4 | J | 195 | 53.4 | J | 203 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.95 | 0.336 | J | 2.03 |
| Vanadium, Total | NA | NA | NA | NA | NA | 15.8 | | 0.975 | 14.3 | | 1.02 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | **193** | | 4.87 | **372** | | 5.08 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 78.5 | | 0.1 | 77.3 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.2 | ND | | 1.2 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | ND | | 1.02 | ND | | 1.03 |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | | **SS-03-110323** | | | **SS-04-110323** |
| | | | | | | **COLLECTION DATE:** | | | **11/3/2023** | | | **11/3/2023** |
| | | | | | | **SAMPLE DEPTH:** | | | **0-2"** | | | **0-2"** |
| | | | | | | **SAMPLE MATRIX:** | | | **SOIL** | | | **SOIL** |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0065 | ND | | 0.0062 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0013 | ND | | 0.0012 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.002 | ND | | 0.0018 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0013 | ND | | 0.0012 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00065 | ND | | 0.00062 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00065 | ND | | 0.00062 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0013 | ND | | 0.0012 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00065 | ND | | 0.00062 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00062 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00062 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00062 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00065 | ND | | 0.00062 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.0013 | ND | | 0.0012 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0025 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0013 | ND | | 0.0012 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0025 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.002 | ND | | 0.0018 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00065 | ND | | 0.00062 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0025 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0026 | ND | | 0.0025 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0026 | ND | | 0.0025 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0025 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0025 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.012 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.013 | ND | | 0.012 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.012 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.013 | ND | | 0.012 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.012 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.012 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0025 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0039 | ND | | 0.0037 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0012 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0052 | ND | | 0.0049 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0012 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0025 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0026 | ND | | 0.0025 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0026 | ND | | 0.0025 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.012 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0049 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | 0.000274 | J | 0.000797 | 0.000323 | J | 0.000794 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | 0.000349 | J | 0.000399 | 0.000396 | J | 0.000397 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | 0.000272 | | 0.000199 | 0.000361 | | 0.000198 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | 0.000195 | J | 0.000199 | 0.000182 | J | 0.000198 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | 0.000429 | | 0.000199 | 0.000356 | | 0.000198 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | 0.000281 | J | 0.000797 | ND | | 0.000794 |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | | **SS-03-110323** | | | **SS-04-110323** | |
| | | | | | | **COLLECTION DATE:** | | **11/3/2023** | | | **11/3/2023** | |
| | | | | | | **SAMPLE DEPTH:** | | **0-2"** | | | **0-2"** | |
| | | | | | | **SAMPLE MATRIX:** | | **SOIL** | | | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | 0.000144 | J | 0.000199 | 0.00019 | J | 0.000198 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | **0.00097** | | 0.000199 | **0.00152** | | 0.000198 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | 0.00014 | J | 0.000199 | 0.000248 | | 0.000198 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.000199 | 0.000086 | J | 0.000198 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | 0.000094 | J | 0.000199 | 0.000129 | J | 0.000198 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.000199 | 0.000095 | J | 0.000198 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000797 | ND | | 0.000794 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.00199 | ND | | 0.00198 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.00199 | ND | | 0.00198 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000399 | ND | | 0.000397 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000399 | ND | | 0.000397 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000399 | ND | | 0.000397 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000399 | ND | | 0.000397 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000997 | ND | | 0.000992 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00498 | ND | | 0.00496 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00498 | ND | | 0.00496 |
| **SVOCs** | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.16 | 0.44 | | 0.15 |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.12 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.073 | J | 0.12 | 5.3 | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.23 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.2 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.58 | ND | | 0.54 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.15 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.2 | ND | | 0.19 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.15 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | 0.07 | J | 0.2 | 0.36 | | 0.19 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.2 | 0.091 | J | 0.19 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.041 | J | 0.12 | **2** | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.16 | **2.1** | | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.051 | J | 0.12 | **2.5** | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.12 | 0.78 | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.042 | J | 0.12 | **1.9** | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.16 | ND | | 0.15 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.12 | 0.77 | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.027 | J | 0.16 | 1.3 | | 0.15 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.2 | 0.3 | | 0.19 |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | SS-03-110323 | | | SS-04-110323 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 11/3/2023 | | | 11/3/2023 | | |
| | | | | | | SAMPLE DEPTH: | 0-2" | | | 0-2" | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.035 | J | 0.12 | 3.4 | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.12 | 0.26 | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.036 | J | 0.16 | **1.6** | | 0.15 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.058 | J | 0.12 | 4.1 | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.46 | ND | | 0.43 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.2 | 0.11 | J | 0.19 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.23 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.12 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.44 | ND | | 0.41 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.28 | ND | | 0.26 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.98 | ND | | 0.91 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.53 | ND | | 0.49 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.16 | ND | | 0.15 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.2 | ND | | 0.19 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.2 | ND | | 0.19 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.29 | ND | | 0.27 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.2 | 0.47 | | 0.19 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.15 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.27 | ND | | 0.25 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.03 | ND | | 0.028 |
| **HERBICIDES** | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.203 | ND | | 0.189 |
| **PESTICIDES** | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.00189 | ND | | 0.00175 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000786 | ND | | 0.000731 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000786 | ND | | 0.000731 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.00189 | ND | | 0.00175 |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | ND | | 0.000943 | ND | | 0.000877 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | ND | | 0.00189 | ND | | 0.00175 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | ND | | 0.00354 | ND | | 0.00329 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | ND | | 0.000786 | ND | | 0.000731 |
| Endrin aldehyde | NA | NA | NA | NA | NA | ND | | 0.00236 | ND | | 0.00219 |
| Endrin ketone | NA | NA | NA | NA | NA | ND | | 0.00189 | ND | | 0.00175 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | 0.00379 | | 0.00118 | ND | | 0.0011 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | **0.00421** | | 0.00189 | ND | | 0.00175 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | ND | | 0.00189 | ND | | 0.00175 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | **0.00426** | | 0.00189 | ND | | 0.00175 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00189 | ND | | 0.00175 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00189 | ND | | 0.00175 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.000786 | ND | | 0.000731 |
| Methoxychlor | NA | NA | NA | NA | NA | ND | | 0.00354 | ND | | 0.00329 |
| Toxaphene | NA | NA | NA | NA | NA | ND | | 0.0354 | ND | | 0.0329 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | ND | | 0.00236 | ND | | 0.00219 |
| trans-Chlordane | NA | NA | NA | NA | NA | ND | | 0.00236 | ND | | 0.00219 |
| Chlordane | NA | NA | NA | NA | NA | ND | | 0.0157 | ND | | 0.0146 |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | 0.0733 | | 0.055 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | ND | | 0.055 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | **0.16** | | 0.055 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0604 | **0.233** | | 0.055 |
| **METALS** | | | | | | | | | | | |

**TABLE 2**

# Surface Soil Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **SS-03-110323** | | | **SS-04-110323** | | |
| | | | | | | **COLLECTION DATE:** | **11/3/2023** | | | **11/3/2023** | | |
| | | | | | | **SAMPLE DEPTH:** | **0-2"** | | | **0-2"** | | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | | | **SOIL** | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL |
| Aluminum, Total | NA | NA | NA | NA | NA | 7800 | | 9.47 | 6200 | | 8.9 |
| Antimony, Total | NA | NA | NA | NA | NA | 0.584 | J | 4.74 | 0.6 | J | 4.45 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 4.24 | | 0.947 | 4.21 | | 0.89 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 53.5 | | 0.947 | 37.5 | | 0.89 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.422 | J | 0.474 | 0.337 | J | 0.445 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.378 | J | 0.947 | 0.43 | J | 0.89 |
| Calcium, Total | NA | NA | NA | NA | NA | 15900 | | 9.47 | 21000 | | 8.9 |
| Chromium, Total | NA | NA | NA | NA | NA | 11 | | 0.947 | 11.4 | | 0.89 |
| Cobalt, Total | NA | NA | NA | NA | NA | 5.17 | | 1.89 | 4.52 | | 1.78 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 14 | | 0.947 | 20.2 | | 0.89 |
| Iron, Total | NA | NA | NA | NA | NA | 13700 | | 4.74 | 12600 | | 4.45 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 47.9 | | 4.74 | **66.4** | | 4.45 |
| Magnesium, Total | NA | NA | NA | NA | NA | 4350 | | 9.47 | 10500 | | 8.9 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 468 | | 0.947 | 311 | | 0.89 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.063 | J | 0.077 | 0.059 | J | 0.072 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 11.3 | | 2.37 | 11.2 | | 2.22 |
| Potassium, Total | NA | NA | NA | NA | NA | 547 | | 237 | 528 | | 222 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | 0.462 | J | 1.89 | ND | | 1.78 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.474 | ND | | 0.445 |
| Sodium, Total | NA | NA | NA | NA | NA | 58 | J | 189 | 217 | | 178 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.89 | ND | | 1.78 |
| Vanadium, Total | NA | NA | NA | NA | NA | 16.8 | | 0.947 | 14.4 | | 0.89 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 98 | | 4.74 | **131** | | 4.45 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 81.7 | | 0.1 | 87.2 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | ND | | 0.979 | ND | | 0.917 |

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Interior Borings

Qualifier Key:
NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
I - The lower value for the two columns has been reported due to obvious interference.
G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
RE - Analytical results are from sample re-extraction.
R - Analytical results are from sample re-analysis.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
S - Analytical results are from modified screening analysis.
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
| | | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0046 | ND | | 0.0043 | ND | | 0.0039 | - | | - | ND | | 0.0047 | ND | | 0.0041 | ND | | 0.0052 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0014 | ND | | 0.0013 | ND | | 0.0012 | - | | - | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0016 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0014 | ND | | 0.0013 | ND | | 0.0012 | - | | - | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0016 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00046 | ND | | 0.00043 | ND | | 0.00039 | - | | - | ND | | 0.00047 | ND | | 0.00041 | ND | | 0.00052 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
| | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.0093 | 0.006 | J | 0.0086 | ND | | 0.0078 | - | | - | 0.0076 | J | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0028 | ND | | 0.0026 | ND | | 0.0023 | - | | - | ND | | 0.0028 | ND | | 0.0025 | ND | | 0.0031 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.00093 | ND | | 0.00086 | ND | | 0.00078 | - | | - | ND | | 0.00094 | ND | | 0.00083 | ND | | 0.001 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0019 | ND | | 0.0017 | ND | | 0.0016 | - | | - | ND | | 0.0019 | ND | | 0.0016 | ND | | 0.0021 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0093 | ND | | 0.0086 | ND | | 0.0078 | - | | - | ND | | 0.0094 | ND | | 0.0083 | ND | | 0.01 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0031 | - | | - | ND | | 0.0038 | ND | | 0.0033 | ND | | 0.0042 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000396 | ND | | 0.000395 | ND | | 0.000393 | - | | - | ND | | 0.000388 | ND | | 0.000389 | ND | | 0.000393 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | 0.00038 | | 0.000194 | 0.000233 | | 0.000194 | 0.000189 | J | 0.000196 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | 0.000071 | JF | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | | 0.000792 | ND | | 0.000791 | ND | | 0.000786 | - | | - | ND | | 0.000775 | ND | | 0.000778 | ND | | 0.000786 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000196 | - | | - | ND | | 0.000194 | ND | | 0.000194 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00198 | ND | | 0.00198 | ND | | 0.00196 | - | | - | ND | | 0.00194 | ND | | 0.00194 | ND | | 0.00196 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00198 | ND | | 0.00198 | ND | | 0.00196 | - | | - | ND | | 0.00194 | ND | | 0.00194 | ND | | 0.00196 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000395 | ND | | 0.000393 | - | | - | ND | | 0.000388 | ND | | 0.000389 | ND | | 0.000393 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000395 | ND | | 0.000393 | - | | - | ND | | 0.000388 | ND | | 0.000389 | ND | | 0.000393 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000395 | ND | | 0.000393 | - | | - | ND | | 0.000388 | ND | | 0.000389 | ND | | 0.000393 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000395 | ND | | 0.000393 | - | | - | ND | | 0.000388 | ND | | 0.000389 | ND | | 0.000393 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00099 | ND | | 0.000989 | ND | | 0.000982 | - | | - | ND | | 0.000969 | ND | | 0.000973 | ND | | 0.000983 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00495 | ND | | 0.00494 | ND | | 0.00491 | - | | - | ND | | 0.00484 | ND | | 0.00486 | ND | | 0.00491 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00495 | ND | | 0.00494 | ND | | 0.00491 | - | | - | ND | | 0.00484 | ND | | 0.00486 | ND | | 0.00491 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | 0.2 | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
| | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 2.9 | | 0.11 | ND | | 0.11 | 0.039 | J | 0.11 | - | | - | 0.038 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.23 | ND | | 0.22 | ND | | 0.22 | - | | - | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.2 | ND | | 0.2 | - | | - | ND | | 0.2 | ND | | 0.2 | ND | | 0.19 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.55 | ND | | 0.53 | ND | | 0.54 | - | | - | ND | | 0.53 | ND | | 0.52 | ND | | 0.51 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | 0.086 | J | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | **1.1** | | 0.11 | ND | | 0.11 | 0.022 | J | 0.11 | - | | - | 0.022 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | **1.2** | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | **1.2** | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | 0.43 | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | **1.1** | | 0.11 | ND | | 0.11 | 0.021 | J | 0.11 | - | | - | 0.022 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | 0.053 | J | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | 0.44 | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.86 | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | 0.16 | J | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 2.4 | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | 0.15 | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | **0.81** | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
| | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 2.7 | | 0.11 | ND | | 0.11 | 0.04 | J | 0.11 | - | | - | 0.033 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.44 | ND | | 0.42 | ND | | 0.43 | - | | - | ND | | 0.42 | ND | | 0.42 | ND | | 0.41 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | 0.11 | J | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | 0.057 | J | 0.23 | ND | | 0.22 | ND | | 0.22 | - | | - | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.17 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.41 | ND | | 0.4 | ND | | 0.4 | - | | - | ND | | 0.4 | ND | | 0.4 | ND | | 0.39 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.27 | ND | | 0.26 | ND | | 0.26 | - | | - | ND | | 0.26 | ND | | 0.26 | ND | | 0.25 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.92 | ND | | 0.88 | ND | | 0.9 | - | | - | ND | | 0.88 | ND | | 0.88 | ND | | 0.86 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.5 | ND | | 0.48 | ND | | 0.49 | - | | - | ND | | 0.48 | ND | | 0.48 | ND | | 0.46 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.28 | ND | | 0.26 | ND | | 0.27 | - | | - | ND | | 0.26 | ND | | 0.26 | ND | | 0.26 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Carbazole | NA | NA | NA | NA | NA | 0.18 | J | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.15 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.25 | ND | | 0.24 | ND | | 0.25 | - | | - | ND | | 0.24 | ND | | 0.24 | ND | | 0.24 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.027 | ND | | 0.027 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.192 | - | | - | ND | | 0.185 | - | | - | ND | | 0.185 | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000763 | - | | - | ND | | 0.000753 | - | | - | ND | | 0.000733 | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000763 | - | | - | ND | | 0.000753 | - | | - | ND | | 0.000733 | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
| | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | ND | | 0.000916 | - | | - | ND | | 0.000904 | - | | - | ND | | 0.000879 | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | ND | | 0.00343 | - | | - | ND | | 0.00339 | - | | - | ND | | 0.0033 | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | ND | | 0.000763 | - | | - | ND | | 0.000753 | - | | - | ND | | 0.000733 | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | ND | | 0.00229 | - | | - | ND | | 0.00226 | - | | - | ND | | 0.0022 | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | ND | | 0.00114 | - | | - | ND | | 0.00113 | - | | - | ND | | 0.0011 | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | ND | | 0.00183 | - | | - | 0.00306 | | 0.00181 | - | | - | 0.000648 | J | 0.00176 | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | ND | | 0.00183 | - | | - | 0.00101 | J | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | ND | | 0.00183 | - | | - | **0.00678** | | 0.00181 | ND | | 0.00172 | ND | | 0.00176 | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00183 | - | | - | ND | | 0.00181 | - | | - | ND | | 0.00176 | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.000763 | - | | - | ND | | 0.000753 | - | | - | ND | | 0.000733 | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | ND | | 0.00343 | - | | - | ND | | 0.00339 | - | | - | ND | | 0.0033 | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | ND | | 0.0343 | - | | - | ND | | 0.0339 | - | | - | ND | | 0.033 | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | ND | | 0.00229 | - | | - | ND | | 0.00226 | - | | - | ND | | 0.0022 | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | ND | | 0.00229 | - | | - | ND | | 0.00226 | - | | - | ND | | 0.0022 | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | ND | | 0.0153 | - | | - | ND | | 0.0151 | - | | - | ND | | 0.0146 | - | | - | - | | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0575 | - | | - | ND | | 0.0532 | - | | - | ND | | 0.0537 | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 5820 | | 8.94 | 6210 | | 8.54 | 3570 | | 8.78 | - | | - | 3700 | | 8.64 | 3520 | | 8.45 | 2900 | | 8.19 |
| Antimony, Total | NA | NA | NA | NA | NA | 0.906 | J | 4.47 | 0.438 | J | 4.27 | 0.343 | J | 4.39 | - | | - | 0.746 | J | 4.32 | ND | | 4.23 | ND | | 4.09 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 6.84 | | 0.894 | 1.74 | | 0.854 | 1.96 | | 0.878 | - | | - | 1.93 | | 0.864 | 3.88 | | 0.845 | 2.37 | | 0.819 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 133 | | 0.894 | 19.4 | | 0.854 | 19.2 | | 0.878 | - | | - | 18.3 | | 0.864 | 17 | | 0.845 | 12.8 | | 0.819 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.299 | J | 0.447 | 0.24 | J | 0.427 | 0.169 | J | 0.439 | - | | - | 0.239 | J | 0.432 | 0.148 | J | 0.423 | 0.134 | J | 0.409 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.724 | J | 0.894 | 0.251 | J | 0.854 | 0.315 | J | 0.878 | - | | - | 0.208 | J | 0.864 | 0.176 | J | 0.845 | 0.196 | J | 0.819 |
| Calcium, Total | NA | NA | NA | NA | NA | 19800 | | 8.94 | 1010 | | 8.54 | 61500 | | 8.78 | - | | - | 59600 | | 8.64 | 35900 | | 8.45 | 1040 | | 8.19 |
| Chromium, Total | NA | NA | NA | NA | NA | 14.3 | | 0.894 | 8.07 | | 0.854 | 6.2 | | 0.878 | - | | - | 6.13 | | 0.864 | 5.93 | | 0.845 | 4.58 | | 0.819 |
| Cobalt, Total | NA | NA | NA | NA | NA | 4.01 | | 1.79 | 3.44 | | 1.71 | 3.42 | | 1.76 | - | | - | 3.22 | | 1.73 | 3.18 | | 1.69 | 2.51 | | 1.64 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | A1-00-3FT | | | A1-01-5FT | | | A2-01-2FT | | | A2-02-3FT | | | A3-01-2FT | | | A4-01-2FT | | | A5-01-3FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/7/2023 | | | 8/8/2023 | | | 8/8/2023 | | |
| | | | | | | SAMPLE DEPTH: | 3 | | | 5 | | | 2 | | | 3 | | | 2 | | | 2 | | | 3 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | | 16.9 | | 0.894 | 11.9 | | 0.854 | 9.56 | | 0.878 | - | | - | 11.1 | | 0.864 | 13.2 | | 0.845 | 8.17 | | 0.819 |
| Iron, Total | NA | NA | NA | NA | NA | | 11500 | | 4.47 | 11200 | | 4.27 | 8860 | | 4.39 | - | | - | 9340 | | 4.32 | 8300 | | 4.23 | 6390 | | 4.09 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | | **324** | | 4.47 | 12.6 | | 4.27 | 11.3 | | 4.39 | - | | - | 11.6 | | 4.32 | 15.1 | | 4.23 | 8.92 | | 4.09 |
| Magnesium, Total | NA | NA | NA | NA | NA | | 7650 | | 8.94 | 1560 | | 8.54 | 26400 | | 8.78 | - | | - | 26800 | | 8.64 | 23000 | | 8.45 | 1230 | | 8.19 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | | 343 | | 0.894 | 348 | | 0.854 | 278 | | 0.878 | - | | - | 311 | | 0.864 | 256 | | 0.845 | 216 | | 0.819 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | | **0.238** | | 0.075 | ND | | 0.08 | ND | | 0.074 | - | | - | ND | | 0.074 | ND | | 0.076 | ND | | 0.07 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | | 8.9 | | 2.24 | 6.36 | | 2.14 | 6.15 | | 2.19 | - | | - | 5.53 | | 2.16 | 6.33 | | 2.11 | 4.54 | | 2.05 |
| Potassium, Total | NA | NA | NA | NA | NA | | 470 | | 224 | 508 | | 214 | 637 | | 219 | - | | - | 643 | | 216 | 490 | | 211 | 266 | | 205 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | | ND | | 1.79 | ND | | 1.71 | 0.24 | J | 1.76 | - | | - | ND | | 1.73 | ND | | 1.69 | ND | | 1.64 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | | ND | | 0.447 | ND | | 0.427 | ND | | 0.439 | - | | - | ND | | 0.432 | ND | | 0.423 | ND | | 0.409 |
| Sodium, Total | NA | NA | NA | NA | NA | | 426 | | 179 | 309 | | 171 | 298 | | 176 | - | | - | 432 | | 173 | 412 | | 169 | 325 | | 164 |
| Thallium, Total | NA | NA | NA | NA | NA | | ND | | 1.79 | ND | | 1.71 | ND | | 1.76 | - | | - | ND | | 1.73 | ND | | 1.69 | ND | | 1.64 |
| Vanadium, Total | NA | NA | NA | NA | NA | | 15.4 | | 0.894 | 15.4 | | 0.854 | 11.4 | | 0.878 | - | | - | 12.3 | | 0.864 | 12.4 | | 0.845 | 8.2 | | 0.819 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | | **215** | | 4.47 | 88.8 | | 4.27 | 73.2 | | 4.39 | - | | - | 72.7 | | 4.32 | 85 | | 4.23 | 83.8 | | 4.09 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | | 85.2 | | 0.1 | 89.2 | | 0.1 | 87.3 | | 0.1 | 91.8 | | 0.1 | 88.8 | | 0.1 | 89.7 | | 0.1 | 93 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | | ND | | 1.1 | ND | | 1.1 | ND | | 1.1 | - | | - | ND | | 1 | ND | | 1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | | 0.399 | J | 0.939 | - | | - | ND | | 0.916 | - | | - | ND | | 0.901 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
| | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0055 | ND | | 0.007 | ND | | 0.0061 | ND | | 0.0062 | ND | | 0.0061 | ND | | 0.0066 | ND | | 0.006 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0016 | ND | | 0.0021 | ND | | 0.0018 | ND | | 0.0018 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0018 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | ND | | 0.0048 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | 0.00041 | J | 0.00066 | 0.00047 | J | 0.0006 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | ND | | 0.0048 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | ND | | 0.0048 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0016 | ND | | 0.0021 | ND | | 0.0018 | ND | | 0.0018 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0018 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00055 | ND | | 0.0007 | ND | | 0.00061 | ND | | 0.00062 | ND | | 0.00061 | ND | | 0.00066 | ND | | 0.0006 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **SAMPLE ID:** | **B2-00-TP** | | | **B2-00-2FT** | | | **B2-01-3FT** | | | **B2-02-4FT** | | | **B3-01-** | | | **B4-01-** | | | **DUP-B** | | |
| | | | | | **COLLECTION DATE:** | **9/12/2023** | | | **8/8/2023** | | | **8/8/2023** | | | **8/8/2023** | | | **8/17/2023** | | | **8/17/2023** | | | **8/17/2023** | | |
| | | | | | **SAMPLE DEPTH:** | **2** | | | **2** | | | **3** | | | **4** | | | **2** | | | **2** | | | **2** | | |
| | | | | | **SAMPLE MATRIX:** | **SOIL** | | | **SOIL** | | | **SOIL** | | | **SOIL** | | | **SOIL** | | | **SOIL** | | | **SOIL** | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | 0.006 | J | 0.012 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0033 | ND | | 0.0042 | ND | | 0.0037 | ND | | 0.0037 | ND | | 0.0037 | ND | | 0.004 | ND | | 0.0036 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | 0.0022 | J | 0.0053 | 0.0023 | J | 0.0048 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.0014 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0012 | ND | | 0.0013 | ND | | 0.0012 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0022 | ND | | 0.0028 | ND | | 0.0024 | ND | | 0.0025 | ND | | 0.0024 | ND | | 0.0026 | ND | | 0.0024 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | ND | | 0.0048 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.014 | ND | | 0.012 | ND | | 0.012 | ND | | 0.012 | ND | | 0.013 | ND | | 0.012 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | ND | | 0.0048 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0044 | ND | | 0.0056 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0049 | ND | | 0.0053 | 0.00082 | J | 0.0048 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.00039 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000396 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.0002 | 0.000054 | J | 0.000193 | 0.000156 | J | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | 0.00011 | J | 0.000196 | 0.000119 | J | 0.000198 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.0002 | 0.000817 | | 0.000193 | 0.000547 | | 0.000195 | ND | | 0.000195 | 0.000182 | J | 0.000198 | 0.000156 | J | 0.000196 | 0.000206 | | 0.000198 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
| | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.0002 | 0.000077 | J | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.0002 | 0.000116 | JF | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.000771 | ND | | 0.000782 | ND | | 0.000779 | ND | | 0.000791 | ND | | 0.000782 | ND | | 0.000791 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.00193 | ND | | 0.00195 | ND | | 0.00195 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00198 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.00193 | ND | | 0.00195 | ND | | 0.00195 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00198 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.00039 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000396 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.00039 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000396 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.00039 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000396 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.00039 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000396 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.000964 | ND | | 0.000977 | ND | | 0.000974 | ND | | 0.000989 | ND | | 0.000978 | ND | | 0.000989 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.005 | ND | | 0.00482 | ND | | 0.00488 | ND | | 0.00487 | ND | | 0.00494 | ND | | 0.00489 | ND | | 0.00494 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.005 | ND | | 0.00482 | ND | | 0.00488 | ND | | 0.00487 | ND | | 0.00494 | ND | | 0.00489 | ND | | 0.00494 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | 0.061 | J | 0.15 | 0.066 | J | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | 0.04 | J | 0.14 | 0.067 | J | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
| | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.83 | | 0.11 | 2 | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.22 | | 0.11 | 1.6 | | 0.11 | 2.8 | | 0.1 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.21 | ND | | 0.22 | ND | | 0.23 | ND | | 0.22 | ND | | 0.21 | ND | | 0.21 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.19 | ND | | 0.19 | ND | | 0.19 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.53 | ND | | 0.5 | ND | | 0.51 | ND | | 0.54 | ND | | 0.52 | ND | | 0.51 | ND | | 0.5 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | 0.033 | J | 0.18 | 0.039 | J | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | 0.033 | J | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | 0.11 | J | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.49 | | 0.11 | **1** | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.063 | J | 0.11 | 0.69 | | 0.11 | **1.2** | | 0.1 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | 0.53 | | 0.15 | **1.3** | | 0.14 | ND | | 0.14 | ND | | 0.15 | 0.059 | J | 0.14 | 0.79 | | 0.14 | **1.3** | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.67 | | 0.11 | **1.6** | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.074 | J | 0.11 | 0.91 | | 0.11 | **1.5** | | 0.1 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | 0.21 | | 0.11 | 0.55 | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 0.32 | | 0.11 | 0.52 | | 0.1 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.52 | | 0.11 | **1.1** | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.062 | J | 0.11 | 0.62 | | 0.11 | **1** | | 0.1 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | 0.077 | J | 0.15 | 0.21 | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | 0.08 | J | 0.14 | 0.16 | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | 0.17 | | 0.11 | 0.31 | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 0.19 | | 0.11 | 0.34 | | 0.1 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.38 | | 0.15 | 0.84 | | 0.14 | ND | | 0.14 | ND | | 0.15 | 0.034 | J | 0.14 | 0.48 | | 0.14 | 0.76 | | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | 0.056 | J | 0.18 | 0.07 | J | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | 0.047 | J | 0.18 | 0.07 | J | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.43 | | 0.11 | 0.86 | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.08 | J | 0.11 | 0.78 | | 0.11 | 1.4 | | 0.1 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | 0.084 | J | 0.11 | 0.18 | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 0.11 | | 0.11 | 0.17 | | 0.1 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.41 | | 0.15 | **0.9** | | 0.14 | ND | | 0.14 | ND | | 0.15 | 0.039 | J | 0.14 | **0.6** | | 0.14 | **0.96** | | 0.14 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
| | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.71 | | 0.11 | 1.6 | | 0.1 | ND | | 0.11 | ND | | 0.11 | 0.16 | | 0.11 | 1.3 | | 0.11 | 2.2 | | 0.1 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.42 | ND | | 0.4 | ND | | 0.41 | ND | | 0.43 | ND | | 0.41 | ND | | 0.41 | ND | | 0.4 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | 0.035 | J | 0.18 | 0.049 | J | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | 0.037 | J | 0.18 | 0.099 | J | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | 0.023 | J | 0.22 | 0.027 | J | 0.21 | ND | | 0.22 | ND | | 0.23 | ND | | 0.22 | ND | | 0.21 | 0.032 | J | 0.21 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.4 | ND | | 0.38 | ND | | 0.39 | ND | | 0.41 | ND | | 0.39 | ND | | 0.38 | ND | | 0.38 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.26 | ND | | 0.24 | ND | | 0.25 | ND | | 0.26 | ND | | 0.25 | ND | | 0.25 | ND | | 0.25 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.88 | ND | | 0.84 | ND | | 0.86 | ND | | 0.9 | ND | | 0.87 | ND | | 0.86 | ND | | 0.85 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.48 | ND | | 0.45 | ND | | 0.47 | ND | | 0.49 | ND | | 0.47 | ND | | 0.46 | ND | | 0.46 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.26 | ND | | 0.25 | ND | | 0.26 | ND | | 0.27 | ND | | 0.26 | ND | | 0.26 | ND | | 0.25 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| Carbazole | NA | NA | NA | NA | NA | 0.052 | J | 0.18 | 0.12 | J | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | 0.098 | J | 0.18 | 0.18 | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | - | | - | ND | | 0.23 | ND | | 0.24 | ND | | 0.25 | ND | | 0.24 | 0.06 | J | 0.24 | 0.081 | J | 0.23 |
| Caprolactam | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.028 | ND | | 0.026 | ND | | 0.027 | ND | | 0.028 | ND | | 0.027 | ND | | 0.027 | ND | | 0.026 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.188 | ND | | 0.175 | ND | | 0.178 | ND | | 0.185 | - | | - | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000722 | ND | | 0.000676 | ND | | 0.000712 | ND | | 0.000728 | - | | - | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000722 | ND | | 0.000676 | 0.000404 | JIP | 0.000712 | ND | | 0.000728 | - | | - | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | ND | | 0.000866 | ND | | 0.000811 | ND | | 0.000854 | ND | | 0.000874 | - | | - | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | ND | | 0.00325 | ND | | 0.00304 | ND | | 0.0032 | ND | | 0.00328 | - | | - | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | ND | | 0.000722 | ND | | 0.000676 | ND | | 0.000712 | ND | | 0.000728 | - | | - | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | | ND | | 0.00216 | ND | | 0.00203 | ND | | 0.00214 | ND | | 0.00218 | - | | - | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | ND | | 0.00108 | ND | | 0.00101 | ND | | 0.00107 | ND | | 0.00109 | - | | - | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | 0.00166 | J | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | 0.00274 | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.00173 | ND | | 0.00162 | ND | | 0.00171 | ND | | 0.00175 | - | | - | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.000722 | ND | | 0.000676 | ND | | 0.000712 | ND | | 0.000728 | - | | - | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | | ND | | 0.00325 | ND | | 0.00304 | ND | | 0.0032 | ND | | 0.00328 | - | | - | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | | ND | | 0.0325 | ND | | 0.0304 | ND | | 0.032 | ND | | 0.0328 | - | | - | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | ND | | 0.00216 | 0.00289 | | 0.00203 | ND | | 0.00214 | ND | | 0.00218 | - | | - | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | | ND | | 0.00216 | 0.00395 | P | 0.00203 | ND | | 0.00214 | ND | | 0.00218 | - | | - | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | | ND | | 0.0144 | 0.03 | | 0.0135 | ND | | 0.0142 | ND | | 0.0146 | - | | - | - | | - | - | | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | | 0.0157 | J | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | | 0.0154 | J | 0.0537 | 0.0315 | J | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | | 0.0176 | J | 0.0537 | 0.0176 | J | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | | 0.00715 | J | 0.0537 | ND | | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | | 0.0559 | J | 0.0537 | 0.0491 | J | 0.0534 | ND | | 0.0529 | ND | | 0.0535 | - | | - | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | | 5200 | | 8.77 | 7360 | | 8.11 | 3420 | | 8.25 | 3560 | | 8.69 | 4990 | | 8.29 | 3710 | | 8.36 | 3970 | | 8.46 |
| Antimony, Total | NA | NA | NA | NA | NA | | 0.388 | J | 4.38 | 0.56 | J | 4.06 | ND | | 4.13 | ND | | 4.34 | ND | | 4.14 | ND | | 4.18 | ND | | 4.23 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 5.17 | | 0.877 | 4.39 | | 0.811 | 3.55 | | 0.825 | 1.67 | | 0.869 | 2.12 | | 0.829 | 2.42 | | 0.836 | 2.39 | | 0.846 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 71.9 | | 0.877 | 64.6 | | 0.811 | 10 | | 0.825 | 16.3 | | 0.869 | 15.9 | | 0.829 | 132 | | 0.836 | 99.2 | | 0.846 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.297 | J | 0.438 | 0.323 | J | 0.406 | 0.139 | J | 0.413 | 0.09 | J | 0.434 | 0.234 | J | 0.414 | 0.178 | J | 0.418 | 0.164 | J | 0.423 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.528 | J | 0.877 | 0.319 | J | 0.811 | 0.262 | J | 0.825 | 0.294 | J | 0.869 | ND | | 0.829 | 0.349 | J | 0.836 | 0.201 | J | 0.846 |
| Calcium, Total | NA | NA | NA | NA | NA | | 26400 | | 8.77 | 158000 | | 81.1 | 33300 | | 8.25 | 54800 | | 86.9 | 6560 | | 8.29 | 65800 | | 8.36 | 61700 | | 8.46 |
| Chromium, Total | NA | NA | NA | NA | NA | | 7.65 | | 0.877 | 14.6 | | 0.811 | 6.07 | | 0.825 | 5.93 | | 0.869 | 11.1 | | 0.829 | 8.11 | | 0.836 | 8.09 | | 0.846 |
| Cobalt, Total | NA | NA | NA | NA | NA | | 3.16 | | 1.75 | 2.17 | | 1.62 | 3.17 | | 1.65 | 3.02 | | 1.74 | 3.24 | | 1.66 | 2.82 | | 1.67 | 2.7 | | 1.69 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B2-00-TP | | | B2-00-2FT | | | B2-01-3FT | | | B2-02-4FT | | | B3-01- | | | B4-01- | | | DUP-B | | |
| | | | | | COLLECTION DATE: | 9/12/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/8/2023 | | | 8/17/2023 | | | 8/17/2023 | | | 8/17/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 3 | | | 4 | | | 2 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 19.1 | | 0.877 | 13.6 | | 0.811 | 11.8 | | 0.825 | 9.52 | | 0.869 | 5.32 | | 0.829 | 11.8 | | 0.836 | 10.3 | | 0.846 |
| Iron, Total | NA | NA | NA | NA | NA | 7650 | | 4.38 | 8690 | | 4.06 | 8720 | | 4.13 | 8700 | | 4.34 | 8890 | | 4.14 | 6060 | | 4.18 | 6410 | | 4.23 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | **244** | | 4.38 | 55.4 | | 4.06 | 11.5 | | 4.13 | 10.3 | | 4.34 | 12.4 | | 4.14 | **957** | | 4.18 | **736** | | 4.23 |
| Magnesium, Total | NA | NA | NA | NA | NA | 7410 | | 8.77 | 34000 | | 8.11 | 21300 | | 8.25 | 24500 | | 8.69 | 2240 | | 8.29 | 13200 | | 8.36 | 15400 | | 8.46 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 326 | | 0.877 | 575 | | 0.811 | 332 | | 0.825 | 282 | | 0.869 | 230 | | 0.829 | 250 | | 0.836 | 237 | | 0.846 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | **0.541** | | 0.081 | ND | | 0.072 | ND | | 0.075 | ND | | 0.073 | ND | | 0.072 | **0.544** | | 0.074 | **1.23** | | 0.081 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 6.96 | | 2.19 | 8.98 | | 2.03 | 6.25 | | 2.06 | 5.94 | | 2.17 | 7.47 | | 2.07 | 6.5 | | 2.09 | 6.02 | | 2.12 |
| Potassium, Total | NA | NA | NA | NA | NA | 631 | | 219 | 704 | | 203 | 508 | | 206 | 611 | | 217 | 372 | | 207 | 452 | | 209 | 473 | | 212 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.75 | 1.15 | J | 1.62 | ND | | 1.65 | 0.269 | J | 1.74 | ND | | 1.66 | ND | | 1.67 | ND | | 1.69 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.438 | ND | | 0.406 | ND | | 0.413 | ND | | 0.434 | ND | | 0.414 | 0.531 | | 0.418 | 0.556 | | 0.423 |
| Sodium, Total | NA | NA | NA | NA | NA | 628 | | 175 | 1810 | | 162 | 414 | | 165 | 462 | | 174 | 110 | J | 166 | 239 | | 167 | 262 | | 169 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.75 | 0.407 | J | 1.62 | ND | | 1.65 | 0.444 | J | 1.74 | 0.618 | J | 1.66 | 0.405 | J | 1.67 | 0.633 | J | 1.69 |
| Vanadium, Total | NA | NA | NA | NA | NA | 11.2 | | 0.877 | 12.4 | | 0.811 | 12.1 | | 0.825 | 10.8 | | 0.869 | 11.1 | | 0.829 | 10.1 | | 0.836 | 9.38 | | 0.846 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | **244** | | 4.38 | 90.5 | | 4.06 | 90.4 | | 4.13 | 77.4 | | 4.34 | 55.9 | | 4.14 | **277** | | 4.18 | **154** | | 4.23 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 87.8 | | 0.1 | 93.3 | | 0.1 | 92.2 | | 0.1 | 87.6 | | 0.1 | 91.1 | | 0.1 | 92.1 | | 0.1 | 92.1 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.1 | ND | | 1 | ND | | 1 | ND | | 1.1 | ND | | 1 | ND | | 0.99 | ND | | 1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | 0.205 | J | 0.911 | ND | | 0.857 | - | | - | ND | | 0.913 | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
| | | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | - | - | | ND | | 0.0055 | ND | | 0.0047 | ND | | 0.0046 | ND | | 0.005 | ND | | 0.0059 | ND | | 0.0082 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | - | - | | ND | | 0.0016 | ND | | 0.0014 | ND | | 0.0014 | ND | | 0.0015 | ND | | 0.0018 | ND | | 0.0025 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Dibromochloromethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| Bromodichloromethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| Bromoform | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | - | - | | ND | | 0.00055 | 0.00066 | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | 0.00022 | J | 0.00059 | ND | | 0.00082 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.0011 | 0.00063 | J | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | - | - | | ND | | 0.0011 | 0.00017 | J | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Chloromethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| Bromomethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Chloroethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.0016 | ND | | 0.0014 | ND | | 0.0014 | ND | | 0.0015 | ND | | 0.0018 | ND | | 0.0025 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | - | - | | ND | | 0.00055 | ND | | 0.00047 | ND | | 0.00046 | ND | | 0.0005 | ND | | 0.00059 | ND | | 0.00082 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | - | - | | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| p/m-Xylene | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0022 | 0.0007 | J | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| o-Xylene | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | 0.00032 | J | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Styrene | NA | NA | NA | NA | NA | | - | - | | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | - | - | | ND | | 0.011 | ND | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | | - | | - | 0.0069 | J | 0.011 | 0.012 | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| Carbon disulfide | NA | NA | NA | NA | NA | | - | | - | ND | | 0.011 | ND | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.011 | ND | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | | - | | - | ND | | 0.011 | ND | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| 2-Hexanone | NA | NA | NA | NA | NA | | - | | - | ND | | 0.011 | ND | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0033 | ND | | 0.0028 | ND | | 0.0027 | ND | | 0.003 | ND | | 0.0036 | ND | | 0.0049 |
| Isopropylbenzene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | - | | - | 0.00088 | J | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.0011 | ND | | 0.00094 | ND | | 0.00091 | ND | | 0.001 | ND | | 0.0012 | ND | | 0.0016 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | | - | | - | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | | - | | - | ND | | 0.0022 | ND | | 0.0019 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0024 | ND | | 0.0033 |
| Methyl Acetate | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| Cyclohexane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.011 | 0.02 | | 0.0094 | ND | | 0.0091 | ND | | 0.01 | ND | | 0.012 | ND | | 0.016 |
| Freon-113 | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0044 | ND | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0044 | 0.022 | | 0.0038 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0048 | ND | | 0.0066 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000393 | ND | | 0.000386 | ND | | 0.00039 | ND | | 0.000384 | ND | | 0.000386 | ND | | 0.000395 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | | - | | - | 0.000102 | J | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | | - | | - | 0.00055 | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | 0.000177 | J | 0.000192 | 0.000322 | | 0.000193 | 0.00035 | | 0.000198 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
| | | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | - | | - | 0.000039 | J | 0.000196 | ND | | 0.000193 | 0.000039 | J | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000785 | ND | | 0.000772 | ND | | 0.000779 | ND | | 0.000767 | ND | | 0.000773 | ND | | 0.00079 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000192 | ND | | 0.000193 | ND | | 0.000198 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00196 | ND | | 0.00193 | ND | | 0.00195 | ND | | 0.00192 | ND | | 0.00193 | ND | | 0.00198 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00196 | ND | | 0.00193 | ND | | 0.00195 | ND | | 0.00192 | ND | | 0.00193 | ND | | 0.00198 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000393 | ND | | 0.000386 | ND | | 0.00039 | ND | | 0.000384 | ND | | 0.000386 | ND | | 0.000395 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000393 | ND | | 0.000386 | ND | | 0.00039 | ND | | 0.000384 | ND | | 0.000386 | ND | | 0.000395 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000393 | ND | | 0.000386 | ND | | 0.00039 | ND | | 0.000384 | ND | | 0.000386 | ND | | 0.000395 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000393 | ND | | 0.000386 | ND | | 0.00039 | ND | | 0.000384 | ND | | 0.000386 | ND | | 0.000395 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.000982 | ND | | 0.000964 | ND | | 0.000974 | ND | | 0.000959 | ND | | 0.000966 | ND | | 0.000988 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00491 | ND | | 0.00482 | ND | | 0.00487 | ND | | 0.0048 | ND | | 0.00483 | ND | | 0.00494 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00491 | ND | | 0.00482 | ND | | 0.00487 | ND | | 0.0048 | ND | | 0.00483 | ND | | 0.00494 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | - | | - | 0.019 | J | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | 0.11 | J | 0.7 | ND | | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.52 | ND | | 0.1 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.78 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | | - | | - | 0.6 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 4.4 | | 0.52 | 0.081 | J | 0.1 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | | - | | - | ND | | 0.21 | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 | ND | | 1 | ND | | 0.21 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.19 | ND | | 0.2 | ND | | 0.2 | ND | | 0.19 | ND | | 0.94 | ND | | 0.19 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.51 | ND | | 0.52 | ND | | 0.52 | ND | | 0.51 | ND | | 2.5 | ND | | 0.5 |
| Hexachloroethane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.7 | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.78 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Nitrobenzene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.78 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | | - | | - | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.7 | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | | - | | - | 0.067 | J | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | | - | | - | 0.075 | J | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Diethyl phthalate | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | - | | - | 0.25 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **2.2** | | 0.52 | 0.039 | J | 0.1 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | - | | - | 0.26 | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | **1.8** | | 0.7 | ND | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | - | | - | 0.3 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **2.5** | | 0.52 | 0.047 | J | 0.1 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | - | | - | 0.11 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **0.81** | | 0.52 | ND | | 0.1 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | - | | - | 0.23 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **2.2** | | 0.52 | 0.038 | J | 0.1 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | - | | - | 0.027 | J | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | 0.19 | J | 0.7 | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | - | | - | 0.074 | J | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 0.55 | | 0.52 | ND | | 0.1 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | - | | - | 0.15 | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | 1.1 | | 0.7 | 0.03 | J | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | - | | - | 0.02 | J | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.13 | J | 0.87 | ND | | 0.17 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | - | | - | 0.31 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 1.6 | | 0.52 | 0.036 | J | 0.1 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | - | | - | 0.041 | J | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 0.28 | J | 0.52 | ND | | 0.1 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | ND | | 0.14 | 0.2 | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | **1.3** | | 0.7 | ND | | 0.14 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
| | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | - | | - | 0.45 | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 4.1 | | 0.52 | 0.067 | J | 0.1 |
| Biphenyl | NA | NA | NA | NA | NA | - | | - | ND | | 0.4 | ND | | 0.42 | ND | | 0.42 | ND | | 0.4 | ND | | 2 | ND | | 0.4 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.086 | J | 0.87 | ND | | 0.17 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | - | | - | ND | | 0.21 | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 | ND | | 1 | ND | | 0.21 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Acetophenone | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.52 | ND | | 0.1 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.78 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.38 | ND | | 0.4 | ND | | 0.4 | ND | | 0.38 | ND | | 1.9 | ND | | 0.38 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.25 | ND | | 0.26 | ND | | 0.26 | ND | | 0.25 | ND | | 1.2 | ND | | 0.24 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.85 | ND | | 0.88 | ND | | 0.88 | ND | | 0.85 | ND | | 4.2 | ND | | 0.84 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | - | | - | ND | | 0.46 | ND | | 0.48 | ND | | 0.48 | ND | | 0.46 | ND | | 2.3 | ND | | 0.45 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | - | | - | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.7 | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | - | | - | ND | | 0.26 | ND | | 0.26 | ND | | 0.26 | ND | | 0.26 | ND | | 1.2 | ND | | 0.25 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| Carbazole | NA | NA | NA | NA | NA | - | | - | 0.05 | J | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.14 | J | 0.87 | ND | | 0.17 |
| Atrazine | NA | NA | NA | NA | NA | - | | - | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.7 | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | - | | - | ND | | 0.23 | ND | | 0.24 | ND | | 0.24 | ND | | 0.23 | ND | | 1.1 | ND | | 0.23 |
| Caprolactam | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.87 | ND | | 0.17 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | - | | - | ND | | 0.027 | ND | | 0.028 | ND | | 0.027 | ND | | 0.027 | ND | | 0.13 | ND | | 0.026 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.172 | ND | | 0.172 |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000691 | ND | | 0.000672 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000691 | ND | | 0.000672 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
| | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000829 | ND | | 0.000806 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | 0.00193 | J | 0.00311 | ND | | 0.00302 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000691 | ND | | 0.000672 |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00202 |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00104 | ND | | 0.00101 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - | - | | - | - | | - | - | | - | - | | - | **0.00827** | | 0.00166 | ND | | 0.00161 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00166 | ND | | 0.00161 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000691 | ND | | 0.000672 |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00311 | ND | | 0.00302 |
| Toxaphene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0311 | ND | | 0.0302 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - | - | | - | - | | - | - | | - | - | | - | 0.0025 | | 0.00207 | ND | | 0.00202 |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | 0.0042 | | 0.00207 | ND | | 0.00202 |
| Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | 0.0301 | | 0.0138 | ND | | 0.0134 |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | 0.0436 | J | 0.049 | ND | | 0.0499 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | 0.0326 | J | 0.049 | ND | | 0.0499 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | 0.034 | J | 0.049 | ND | | 0.0499 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.049 | ND | | 0.0499 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | **0.11** | **J** | 0.049 | ND | | 0.0499 |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | - | | - | 3870 | | 8.47 | 2180 | | 8.79 | 2800 | | 8.46 | 2140 | | 8.62 | 5230 | | 8.08 | 2460 | | 8.08 |
| Antimony, Total | NA | NA | NA | NA | NA | - | | - | ND | | 4.24 | 0.88 | J | 4.4 | 0.436 | J | 4.23 | 0.761 | J | 4.31 | 1.4 | J | 4.04 | 0.932 | J | 4.04 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | - | | - | 2.24 | | 0.847 | 0.901 | | 0.879 | 4.24 | | 0.846 | 1.13 | | 0.862 | 2.73 | | 0.808 | 1.05 | | 0.808 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | - | | - | 24.4 | | 0.847 | 8.72 | | 0.879 | 12.8 | | 0.846 | 7.3 | | 0.862 | 52.2 | | 0.808 | 15.2 | | 0.808 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | - | | - | 0.183 | J | 0.424 | 0.14 | J | 0.44 | 0.128 | J | 0.423 | 0.126 | J | 0.431 | 0.583 | | 0.404 | 0.165 | J | 0.404 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | - | | - | 0.161 | J | 0.847 | 0.172 | J | 0.879 | 0.275 | J | 0.846 | 0.185 | J | 0.862 | 0.146 | J | 0.808 | 0.273 | J | 0.808 |
| Calcium, Total | NA | NA | NA | NA | NA | - | | - | 32200 | | 8.47 | 52200 | | 8.79 | 38100 | | 8.46 | 35100 | | 8.62 | 155000 | | 80.8 | 55400 | | 8.08 |
| Chromium, Total | NA | NA | NA | NA | NA | - | | - | 7.2 | | 0.847 | 3.72 | | 0.879 | 10.1 | | 0.846 | 3.4 | | 0.862 | 25.2 | | 0.808 | 4.37 | | 0.808 |
| Cobalt, Total | NA | NA | NA | NA | NA | - | | - | 3.54 | | 1.69 | 2.17 | | 1.76 | 2.67 | | 1.69 | 2.13 | | 1.72 | 2.25 | | 1.62 | 2.46 | | 1.62 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | B4-02- | | | B5-01- | | | C1-01-5FT | | | C2-01-3FT | | | C3-01-4FT | | | C4-00-1FT | | | C4-01-2FT | | |
| | | | | | COLLECTION DATE: | 8/17/2023 | | | 8/17/2023 | | | 8/9/2023 | | | 8/8/2023 | | | 8/9/2023 | | | 8/9/2023 | | | 8/9/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 2 | | | 5 | | | 3 | | | 4 | | | 1 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | - | | - | 9.43 | | 0.847 | 7.31 | | 0.879 | 11.1 | | 0.846 | 7.89 | | 0.862 | 13.6 | | 0.808 | 6.6 | | 0.808 |
| Iron, Total | NA | NA | NA | NA | NA | - | | - | 8230 | | 4.24 | 6590 | | 4.4 | 14800 | | 4.23 | 5700 | | 4.31 | 8400 | | 4.04 | 7130 | | 4.04 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 8.74 | | 2 | 23.4 | | 4.24 | 9.08 | | 4.4 | 14.2 | | 4.23 | 6.88 | | 4.31 | 46.7 | | 4.04 | 9.61 | | 4.04 |
| Magnesium, Total | NA | NA | NA | NA | NA | - | | - | 14200 | | 8.47 | 24500 | | 8.79 | 20100 | | 8.46 | 18600 | | 8.62 | 15400 | | 8.08 | 23700 | | 8.08 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | - | | - | 270 | | 0.847 | 258 | | 0.879 | 334 | | 0.846 | 239 | | 0.862 | 657 | | 0.808 | 256 | | 0.808 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | ND | | 0.078 | ND | | 0.074 | ND | | 0.074 | ND | | 0.079 | ND | | 0.07 | 0.085 | | 0.072 | ND | | 0.072 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | - | | - | 7.54 | | 2.12 | 3.62 | | 2.2 | 5.5 | | 2.11 | 3.76 | | 2.16 | 6.87 | | 2.02 | 4.03 | | 2.02 |
| Potassium, Total | NA | NA | NA | NA | NA | - | | - | 477 | | 212 | 350 | | 220 | 352 | | 211 | 343 | | 216 | 400 | | 202 | 366 | | 202 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | - | | - | ND | | 1.69 | ND | | 1.76 | ND | | 1.69 | ND | | 1.72 | ND | | 1.62 | ND | | 1.62 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | - | | - | ND | | 0.424 | ND | | 0.44 | ND | | 0.423 | ND | | 0.431 | ND | | 0.404 | ND | | 0.404 |
| Sodium, Total | NA | NA | NA | NA | NA | - | | - | 135 | J | 169 | 235 | | 176 | 349 | | 169 | 298 | | 172 | 566 | | 162 | 346 | | 162 |
| Thallium, Total | NA | NA | NA | NA | NA | - | | - | 0.706 | J | 1.69 | ND | | 1.76 | ND | | 1.69 | ND | | 1.72 | ND | | 1.62 | ND | | 1.62 |
| Vanadium, Total | NA | NA | NA | NA | NA | - | | - | 10.6 | | 0.847 | 8.86 | | 0.879 | 16 | | 0.846 | 9.54 | | 0.862 | 17.7 | | 0.808 | 9.54 | | 0.808 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 67.3 | | 2 | 106 | | 4.24 | 68.1 | | 4.4 | 89.8 | | 4.23 | 79.1 | | 4.31 | 55.8 | | 4.04 | 75.2 | | 4.04 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 96.4 | | 0.1 | 90.8 | | 0.1 | 90 | | 0.1 | 89.9 | | 0.1 | 92.1 | | 0.1 | 94.8 | | 0.1 | 94.8 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | - | | - | ND | | 1 | ND | | 1.1 | ND | | 1 | ND | | 1.1 | ND | | 0.98 | ND | | 0.97 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | - | | - | - | | - | - | | - | - | | - | 0.306 | J | 0.844 | ND | | 0.844 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | C5-01-3FT | | D1-01 2FT | | D2-01 3FT | | D3-01 5FT | | D4-01 2FT | | D4-02 3FT | | D5-01-1FT | | E1-00 1FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/9/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/9/2023 | | 8/10/2023 | |
| | | | | | | SAMPLE DEPTH: | 3 | | 2 | | 3 | | 5 | | 2 | | 3 | | 1 | | 1 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | ND | 0.0053 | ND | 0.0042 | ND | 0.0046 | ND | 0.0042 | ND | 0.0041 | - | - | ND | 0.0043 | ND | 0.0061 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | ND | 0.0016 | ND | 0.0013 | ND | 0.0014 | ND | 0.0013 | ND | 0.0012 | - | - | ND | 0.0013 | ND | 0.0018 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Dibromochloromethane | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | ND | 0.0042 | ND | 0.0034 | ND | 0.0037 | ND | 0.0034 | ND | 0.0032 | - | - | ND | 0.0035 | ND | 0.0048 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Bromodichloromethane | NA | NA | NA | NA | NA | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Bromoform | NA | NA | NA | NA | NA | | ND | 0.0042 | ND | 0.0034 | ND | 0.0037 | ND | 0.0034 | ND | 0.0032 | - | - | ND | 0.0035 | ND | 0.0048 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | 0.00032 | J 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | 0.00068 | J 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Chloromethane | NA | NA | NA | NA | NA | | ND | 0.0042 | ND | 0.0034 | ND | 0.0037 | ND | 0.0034 | ND | 0.0032 | - | - | ND | 0.0035 | ND | 0.0048 |
| Bromomethane | NA | NA | NA | NA | NA | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Chloroethane | NA | NA | NA | NA | NA | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | ND | 0.0016 | ND | 0.0013 | ND | 0.0014 | ND | 0.0013 | ND | 0.0012 | - | - | ND | 0.0013 | ND | 0.0018 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | ND | 0.00053 | ND | 0.00042 | ND | 0.00046 | ND | 0.00042 | ND | 0.00041 | - | - | ND | 0.00043 | ND | 0.00061 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | ND | 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| p/m-Xylene | NA | NA | NA | NA | NA | | ND | 0.0021 | ND | 0.0017 | ND | 0.0018 | 0.0005 | J 0.0017 | ND | 0.0016 | - | - | ND | 0.0017 | ND | 0.0024 |
| o-Xylene | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Styrene | NA | NA | NA | NA | NA | | ND | 0.001 | ND | 0.00085 | ND | 0.00093 | ND | 0.00085 | ND | 0.00081 | - | - | ND | 0.00087 | ND | 0.0012 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | ND | 0.01 | ND | 0.0085 | ND | 0.0093 | ND | 0.0085 | ND | 0.0081 | - | - | ND | 0.0087 | ND | 0.012 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | C5-01-3FT | | D1-01 2FT | | D2-01 3FT | | D3-01 5FT | | D4-01 2FT | | D4-02 3FT | | D5-01-1FT | | E1-00 1FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/9/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/9/2023 | | 8/10/2023 | |
| | | | | | | SAMPLE DEPTH: | 3 | | 2 | | 3 | | 5 | | 2 | | 3 | | 1 | | 1 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0021 | ND | | 0.0017 | ND | | 0.0018 | ND | | 0.0017 | ND | | 0.0016 | - | - | ND | | 0.0017 | ND | | 0.0024 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0025 | ND | | 0.0028 | ND | | 0.0025 | ND | | 0.0024 | - | - | ND | | 0.0026 | ND | | 0.0036 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0042 | ND | | 0.0034 | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0032 | - | - | ND | | 0.0035 | ND | | 0.0048 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00085 | ND | | 0.00093 | ND | | 0.00085 | ND | | 0.00081 | - | - | ND | | 0.00087 | ND | | 0.0012 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0021 | ND | | 0.0017 | ND | | 0.0018 | ND | | 0.0017 | ND | | 0.0016 | - | - | ND | | 0.0017 | ND | | 0.0024 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0021 | ND | | 0.0017 | ND | | 0.0018 | ND | | 0.0017 | ND | | 0.0016 | - | - | ND | | 0.0017 | ND | | 0.0024 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0021 | ND | | 0.0017 | ND | | 0.0018 | ND | | 0.0017 | ND | | 0.0016 | - | - | ND | | 0.0017 | ND | | 0.0024 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0042 | ND | | 0.0034 | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0032 | - | - | ND | | 0.0035 | ND | | 0.0048 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0085 | ND | | 0.0093 | ND | | 0.0085 | ND | | 0.0081 | - | - | ND | | 0.0087 | ND | | 0.012 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0042 | ND | | 0.0034 | ND | | 0.0037 | ND | | 0.0034 | ND | | 0.0032 | - | - | ND | | 0.0035 | ND | | 0.0048 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0042 | ND | | 0.0034 | ND | | 0.0037 | 0.00053 | J | 0.0034 | ND | | 0.0032 | - | - | ND | | 0.0035 | ND | | 0.0048 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000772 | ND | | 0.000782 | ND | | 0.000792 | ND | | 0.000783 | ND | | 0.00077 | - | - | ND | | 0.00075 | ND | | 0.000797 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000386 | ND | | 0.000391 | ND | | 0.000396 | ND | | 0.000392 | ND | | 0.000385 | - | - | ND | | 0.000375 | ND | | 0.000398 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000772 | ND | | 0.000782 | ND | | 0.000792 | ND | | 0.000783 | ND | | 0.00077 | - | - | ND | | 0.00075 | ND | | 0.000797 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | 0.000056 | J | 0.000199 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | 0.000112 | J | 0.000199 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000772 | ND | | 0.000782 | ND | | 0.000792 | ND | | 0.000783 | ND | | 0.00077 | - | - | ND | | 0.00075 | ND | | 0.000797 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | 0.000175 | J | 0.000199 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.000193 | ND | | 0.000195 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000192 | - | - | ND | | 0.000187 | ND | | 0.000199 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | C5-01-3FT | | D1-01 2FT | | D2-01 3FT | | D3-01 5FT | | D4-01 2FT | | D4-02 3FT | | D5-01-1FT | | E1-00 1FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/9/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/10/2023 | | 8/9/2023 | | 8/10/2023 | |
| | | | | | | SAMPLE DEPTH: | 3 | | 2 | | 3 | | 5 | | 2 | | 3 | | 1 | | 1 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | ND | 0.000772 | ND | 0.000782 | ND | 0.000792 | ND | 0.000783 | ND | 0.00077 | - | - | ND | 0.00075 | ND | 0.000797 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | 0.000772 | ND | 0.000782 | ND | 0.000792 | ND | 0.000783 | ND | 0.00077 | - | - | ND | 0.00075 | ND | 0.000797 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | 0.000772 | ND | 0.000782 | ND | 0.000792 | ND | 0.000783 | ND | 0.00077 | - | - | ND | 0.00075 | ND | 0.000797 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | 0.000772 | ND | 0.000782 | ND | 0.000792 | ND | 0.000783 | ND | 0.00077 | - | - | ND | 0.00075 | ND | 0.000797 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | 0.000772 | ND | 0.000782 | ND | 0.000792 | ND | 0.000783 | ND | 0.00077 | - | - | ND | 0.00075 | ND | 0.000797 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | 0.000193 | ND | 0.000195 | ND | 0.000198 | ND | 0.000196 | ND | 0.000192 | - | - | ND | 0.000187 | ND | 0.000199 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | 0.00193 | ND | 0.00195 | ND | 0.00198 | ND | 0.00196 | ND | 0.00192 | - | - | ND | 0.00187 | ND | 0.00199 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | 0.00193 | ND | 0.00195 | ND | 0.00198 | ND | 0.00196 | ND | 0.00192 | - | - | ND | 0.00187 | ND | 0.00199 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | 0.000386 | ND | 0.000391 | ND | 0.000396 | ND | 0.000392 | ND | 0.000385 | - | - | ND | 0.000375 | ND | 0.000398 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | 0.000386 | ND | 0.000391 | ND | 0.000396 | ND | 0.000392 | ND | 0.000385 | - | - | ND | 0.000375 | ND | 0.000398 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | 0.000386 | ND | 0.000391 | ND | 0.000396 | ND | 0.000392 | ND | 0.000385 | - | - | ND | 0.000375 | ND | 0.000398 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | 0.000386 | ND | 0.000391 | ND | 0.000396 | ND | 0.000392 | ND | 0.000385 | - | - | ND | 0.000375 | ND | 0.000398 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | 0.000965 | ND | 0.000977 | ND | 0.00099 | ND | 0.000979 | ND | 0.000962 | - | - | ND | 0.000937 | ND | 0.000996 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | 0.00482 | ND | 0.00489 | ND | 0.00495 | ND | 0.0049 | ND | 0.00481 | - | - | ND | 0.00468 | ND | 0.00498 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | 0.00482 | ND | 0.00489 | ND | 0.00495 | ND | 0.0049 | ND | 0.00481 | - | - | ND | 0.00468 | ND | 0.00498 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | ND | 0.16 | ND | 0.14 | ND | 0.14 | ND | 0.14 | ND | 0.15 | - | - | ND | 0.14 | ND | 0.73 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | C5-01-3FT | | | D1-01 2FT | | | D2-01 3FT | | | D3-01 5FT | | | D4-01 2FT | | | D4-02 3FT | | | D5-01-1FT | | | E1-00 1FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/9/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/9/2023 | | | 8/10/2023 | | |
| | | | | | | SAMPLE DEPTH: | 3 | | | 2 | | | 3 | | | 5 | | | 2 | | | 3 | | | 1 | | | 1 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.55 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.16 | ND | | 0.15 | ND | | 0.15 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.82 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | | 0.032 | J | 0.12 | ND | | 0.11 | 0.046 | J | 0.1 | ND | | 0.1 | 0.022 | J | 0.11 | - | | - | 0.032 | J | 0.11 | 1 | | 0.55 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | | ND | | 0.24 | ND | | 0.22 | ND | | 0.21 | ND | | 0.21 | ND | | 0.22 | - | | - | ND | | 0.21 | ND | | 1.1 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | | ND | | 0.22 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.2 | - | | - | ND | | 0.19 | ND | | 0.99 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | | ND | | 0.58 | ND | | 0.52 | ND | | 0.49 | ND | | 0.49 | ND | | 0.53 | - | | - | ND | | 0.51 | ND | | 2.6 |
| Hexachloroethane | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.73 |
| Isophorone | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.16 | ND | | 0.15 | ND | | 0.15 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.82 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Nitrobenzene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.16 | ND | | 0.15 | ND | | 0.15 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.82 |
| NDPA/DPA | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.73 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Diethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | 0.36 | J | 0.55 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | 0.3 | J | 0.73 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | 0.43 | J | 0.55 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | 0.15 | J | 0.55 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | ND | | 0.12 | ND | | 0.11 | 0.018 | J | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | 0.38 | J | 0.55 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.73 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.55 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | 0.19 | J | 0.73 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | 0.027 | J | 0.12 | ND | | 0.11 | 0.038 | J | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | 0.48 | J | 0.55 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.55 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | 0.17 | J | 0.73 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | C5-01-3FT | | | D1-01 2FT | | | D2-01 3FT | | | D3-01 5FT | | | D4-01 2FT | | | D4-02 3FT | | | D5-01-1FT | | | E1-00 1FT | | |
| | | | | | COLLECTION DATE: | 8/9/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/9/2023 | | | 8/10/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 2 | | | 3 | | | 5 | | | 2 | | | 3 | | | 1 | | | 1 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.026 | J | 0.12 | ND | | 0.11 | 0.035 | J | 0.1 | ND | | 0.1 | 0.02 | J | 0.11 | - | | - | 0.023 | J | 0.11 | 0.82 | | 0.55 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.46 | ND | | 0.41 | ND | | 0.39 | ND | | 0.39 | ND | | 0.42 | - | | - | ND | | 0.41 | ND | | 2.1 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.22 | ND | | 0.21 | ND | | 0.21 | ND | | 0.22 | - | | - | ND | | 0.21 | ND | | 1.1 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.12 | ND | | 0.11 | ND | | 0.1 | ND | | 0.1 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.55 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.16 | ND | | 0.15 | ND | | 0.15 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.82 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.44 | ND | | 0.39 | ND | | 0.37 | ND | | 0.37 | ND | | 0.4 | - | | - | ND | | 0.39 | ND | | 2 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.28 | ND | | 0.25 | ND | | 0.24 | ND | | 0.24 | ND | | 0.26 | - | | - | ND | | 0.25 | ND | | 1.3 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.87 | ND | | 0.82 | ND | | 0.83 | ND | | 0.89 | - | | - | ND | | 0.86 | ND | | 4.4 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.52 | ND | | 0.47 | ND | | 0.45 | ND | | 0.45 | ND | | 0.48 | - | | - | ND | | 0.46 | ND | | 2.4 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.73 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.29 | ND | | 0.26 | ND | | 0.25 | ND | | 0.25 | ND | | 0.27 | - | | - | ND | | 0.26 | ND | | 1.3 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | 0.095 | J | 0.92 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.73 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.27 | ND | | 0.24 | ND | | 0.23 | ND | | 0.23 | ND | | 0.24 | - | | - | ND | | 0.24 | ND | | 1.2 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.18 | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | - | | - | ND | | 0.18 | ND | | 0.92 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.03 | ND | | 0.027 | ND | | 0.026 | ND | | 0.026 | ND | | 0.028 | - | | - | ND | | 0.027 | ND | | 0.14 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | ND | | 0.173 | - | | - | - | | - | - | | - | ND | | 0.186 |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | - | | - | ND | | 0.000675 | - | | - | - | | - | - | | - | ND | | 0.00118 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | - | | - | ND | | 0.000675 | - | | - | - | | - | - | | - | ND | | 0.00118 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | C5-01-3FT | | | D1-01 2FT | | | D2-01 3FT | | | D3-01 5FT | | | D4-01 2FT | | | D4-02 3FT | | | D5-01-1FT | | | E1-00 1FT | | |
| | | | | | COLLECTION DATE: | 8/9/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/9/2023 | | | 8/10/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 2 | | | 3 | | | 5 | | | 2 | | | 3 | | | 1 | | | 1 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - | - | | - | - | | - | ND | | 0.00081 | - | | - | - | | - | - | | - | ND | | 0.00141 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00304 | - | | - | - | | - | - | | - | ND | | 0.00529 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - | - | | - | - | | - | ND | | 0.000675 | - | | - | - | | - | - | | - | ND | | 0.00118 |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | - | | - | ND | | 0.00352 |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - | - | | - | - | | - | ND | | 0.00101 | - | | - | - | | - | - | | - | ND | | 0.00176 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | 0.00237 | J | 0.00282 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.00162 | - | | - | - | | - | - | | - | ND | | 0.00282 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.000675 | - | | - | - | | - | - | | - | ND | | 0.00118 |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00304 | - | | - | - | | - | - | | - | ND | | 0.00529 |
| Toxaphene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.0304 | - | | - | - | | - | - | | - | ND | | 0.0529 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | - | | - | ND | | 0.00352 |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | - | | - | ND | | 0.00352 |
| Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.0135 | - | | - | - | | - | - | | - | ND | | 0.0235 |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | ND | | 0.0504 | - | | - | - | | - | - | | - | ND | | 0.0537 |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 10100 | | 9.31 | 6840 | | 8.63 | 2250 | | 8.19 | 2300 | | 7.95 | 10900 | | 8.5 | - | | - | 2420 | | 8.61 | 4560 | | 8.57 |
| Antimony, Total | NA | NA | NA | NA | NA | 1.68 | J | 4.65 | ND | | 4.32 | ND | | 4.09 | ND | | 3.98 | ND | | 4.25 | - | | - | 0.537 | J | 4.3 | ND | | 4.28 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 3.98 | | 0.931 | 2.47 | | 0.863 | 1.54 | | 0.819 | 1.68 | | 0.795 | 5.55 | | 0.85 | - | | - | 1.61 | | 0.861 | 7.88 | | 0.857 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 84 | | 0.931 | 47.2 | | 0.863 | 7.32 | | 0.819 | 8.39 | | 0.795 | 65.1 | | 0.85 | - | | - | 9.1 | | 0.861 | 95.2 | | 0.857 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.614 | | 0.465 | 0.25 | J | 0.432 | 0.104 | J | 0.409 | 0.098 | J | 0.398 | 0.499 | | 0.425 | - | | - | 0.193 | J | 0.43 | 0.207 | J | 0.428 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | ND | | 0.931 | 0.172 | J | 0.863 | 0.167 | J | 0.819 | 0.206 | J | 0.795 | 0.192 | J | 0.85 | - | | - | 0.169 | J | 0.861 | 0.598 | J | 0.857 |
| Calcium, Total | NA | NA | NA | NA | NA | 43200 | | 9.31 | 86100 | | 86.3 | 12800 | | 8.19 | 54300 | | 7.95 | 19400 | | 8.5 | - | | - | 3090 | | 8.61 | 32300 | | 8.57 |
| Chromium, Total | NA | NA | NA | NA | NA | 15.5 | | 0.931 | 8.45 | | 0.863 | 3.88 | | 0.819 | 3.63 | | 0.795 | 13.5 | | 0.85 | - | | - | 4.23 | | 0.861 | 7.03 | | 0.857 |
| Cobalt, Total | NA | NA | NA | NA | NA | 10.2 | | 1.86 | 4.08 | | 1.73 | 1.94 | | 1.64 | 1.87 | | 1.59 | 7.68 | | 1.7 | - | | - | 2.36 | | 1.72 | 3.08 | | 1.71 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | C5-01-3FT | | | D1-01 2FT | | | D2-01 3FT | | | D3-01 5FT | | | D4-01 2FT | | | D4-02 3FT | | | D5-01-1FT | | | E1-00 1FT | | |
| | | | | | COLLECTION DATE: | 8/9/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/9/2023 | | | 8/10/2023 | | |
| | | | | | SAMPLE DEPTH: | 3 | | | 2 | | | 3 | | | 5 | | | 2 | | | 3 | | | 1 | | | 1 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 17.9 | | 0.931 | 13 | | 0.863 | 7.26 | | 0.819 | 9.12 | | 0.795 | 21.4 | | 0.85 | - | | - | 10.3 | | 0.861 | 14.8 | | 0.857 |
| Iron, Total | NA | NA | NA | NA | NA | 20900 | | 4.65 | 11200 | | 4.32 | 6080 | | 4.09 | 5840 | | 3.98 | 17100 | | 4.25 | - | | - | 7440 | | 4.3 | 8580 | | 4.28 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 10.3 | | 4.65 | 12.1 | | 4.32 | 9.06 | | 4.09 | 8.93 | | 3.98 | 10.4 | | 4.25 | - | | - | 8.02 | | 4.3 | **225** | | 4.28 |
| Magnesium, Total | NA | NA | NA | NA | NA | 16400 | | 9.31 | 32300 | | 8.63 | 6090 | | 8.19 | 20800 | | 7.95 | 11900 | | 8.5 | - | | - | 1450 | | 8.61 | 8000 | | 8.57 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 525 | | 0.931 | 376 | | 0.863 | 239 | | 0.819 | 230 | | 0.795 | 359 | | 0.85 | - | | - | 268 | | 0.861 | 276 | | 0.857 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | ND | | 0.081 | ND | | 0.069 | ND | | 0.066 | ND | | 0.066 | ND | | 0.071 | - | | - | ND | | 0.074 | 0.156 | | 0.07 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 22 | | 2.33 | 9.31 | | 2.16 | 3.86 | | 2.05 | 3.71 | | 1.99 | 17.8 | | 2.12 | - | | - | 3.84 | | 2.15 | 7.39 | | 2.14 |
| Potassium, Total | NA | NA | NA | NA | NA | 1340 | | 233 | 1050 | | 216 | 291 | | 205 | 338 | | 199 | 1000 | | 212 | - | | - | 237 | | 215 | 428 | | 214 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.86 | 0.649 | J | 1.73 | ND | | 1.64 | 0.342 | J | 1.59 | ND | | 1.7 | - | | - | ND | | 1.72 | 0.248 | J | 1.71 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.465 | ND | | 0.432 | ND | | 0.409 | ND | | 0.398 | ND | | 0.425 | - | | - | ND | | 0.43 | ND | | 0.428 |
| Sodium, Total | NA | NA | NA | NA | NA | 1440 | | 186 | 851 | | 173 | 128 | J | 164 | 132 | J | 159 | 270 | | 170 | - | | - | 134 | J | 172 | 487 | | 171 |
| Thallium, Total | NA | NA | NA | NA | NA | 0.296 | J | 1.86 | 0.97 | J | 1.73 | 0.44 | J | 1.64 | 0.31 | J | 1.59 | 0.893 | J | 1.7 | - | | - | ND | | 1.72 | 0.473 | J | 1.71 |
| Vanadium, Total | NA | NA | NA | NA | NA | 22 | | 0.931 | 13.5 | | 0.863 | 8.18 | | 0.819 | 8.38 | | 0.795 | 20.4 | | 0.85 | - | | - | 9.58 | | 0.861 | 10.6 | | 0.857 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 70.2 | | 4.65 | 66.4 | | 4.32 | 65.2 | | 4.09 | 68.2 | | 3.98 | **110** | | 4.25 | 20.4 | | 2.16 | 74.2 | | 4.3 | **185** | | 4.28 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 82.4 | | 0.1 | 91.2 | | 0.1 | 95.1 | | 0.1 | 96 | | 0.1 | 89.3 | | 0.1 | 90.6 | | 0.1 | 90.9 | | 0.1 | 89.3 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.2 | ND | | 1.1 | ND | | 1 | ND | | 0.96 | ND | | 1.1 | - | | - | ND | | 1 | ND | | 1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | - | | - | - | | - | ND | | 0.833 | - | | - | - | | - | - | | - | ND | | 0.896 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | ND | | 0.0055 | - | | - | ND | | 0.0052 | ND | | 0.0062 | ND | | 0.005 | ND | | 0.0064 | ND | | 0.0054 | - | | - |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | ND | | 0.0016 | - | | - | ND | | 0.0016 | ND | | 0.0018 | ND | | 0.0015 | ND | | 0.0019 | ND | | 0.0016 | - | | - |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Dibromochloromethane | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Bromodichloromethane | NA | NA | NA | NA | NA | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Bromoform | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Chloromethane | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| Bromomethane | NA | NA | NA | NA | NA | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Chloroethane | NA | NA | NA | NA | NA | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | ND | | 0.0016 | - | | - | ND | | 0.0016 | ND | | 0.0018 | ND | | 0.0015 | ND | | 0.0019 | ND | | 0.0016 | - | | - |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | ND | | 0.00055 | - | | - | ND | | 0.00052 | ND | | 0.00062 | ND | | 0.0005 | ND | | 0.00064 | ND | | 0.00054 | - | | - |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| p/m-Xylene | NA | NA | NA | NA | NA | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| o-Xylene | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Styrene | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | 0.016 | | 0.013 | 0.01 | J | 0.011 | - | | - |
| Carbon disulfide | NA | NA | NA | NA | NA | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |
| 2-Hexanone | NA | NA | NA | NA | NA | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | | ND | | 0.0033 | - | | - | ND | | 0.0031 | ND | | 0.0037 | ND | | 0.003 | ND | | 0.0038 | ND | | 0.0032 | - | | - |
| Isopropylbenzene | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | | ND | | 0.0011 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.0011 | - | | - |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | | ND | | 0.0022 | - | | - | ND | | 0.0021 | ND | | 0.0025 | ND | | 0.002 | ND | | 0.0026 | ND | | 0.0022 | - | | - |
| Methyl Acetate | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| Cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.011 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.01 | ND | | 0.013 | ND | | 0.011 | - | | - |
| Freon-113 | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| Methyl cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.0044 | - | | - | ND | | 0.0042 | ND | | 0.0049 | ND | | 0.004 | ND | | 0.0051 | ND | | 0.0043 | - | | - |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | | ND | | 0.000393 | - | | - | ND | | 0.000398 | ND | | 0.000394 | ND | | 0.000389 | ND | | 0.000394 | ND | | 0.000388 | - | | - |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | 0.000101 | J | 0.000194 | - | | - |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | | ND | | 0.000197 | - | | - | ND | | 0.000199 | 0.000079 | JF | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | 0.000178 | J | 0.000194 | - | | - |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | | 0.000786 | - | | - | ND | | 0.000796 | ND | | 0.000788 | ND | | 0.000778 | ND | | 0.000788 | ND | | 0.000776 | - | | - |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000197 | - | | - | ND | | 0.000199 | ND | | 0.000197 | ND | | 0.000194 | ND | | 0.000197 | ND | | 0.000194 | - | | - |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00197 | - | | - | ND | | 0.00199 | ND | | 0.00197 | ND | | 0.00194 | ND | | 0.00197 | ND | | 0.00194 | - | | - |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00197 | - | | - | ND | | 0.00199 | ND | | 0.00197 | ND | | 0.00194 | ND | | 0.00197 | ND | | 0.00194 | - | | - |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | | 0.000393 | - | | - | ND | | 0.000398 | ND | | 0.000394 | ND | | 0.000389 | ND | | 0.000394 | ND | | 0.000388 | - | | - |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | | 0.000393 | - | | - | ND | | 0.000398 | ND | | 0.000394 | ND | | 0.000389 | ND | | 0.000394 | ND | | 0.000388 | - | | - |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | | 0.000393 | - | | - | ND | | 0.000398 | ND | | 0.000394 | ND | | 0.000389 | ND | | 0.000394 | ND | | 0.000388 | - | | - |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | | 0.000393 | - | | - | ND | | 0.000398 | ND | | 0.000394 | ND | | 0.000389 | ND | | 0.000394 | ND | | 0.000388 | - | | - |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.000983 | - | | - | ND | | 0.000995 | ND | | 0.000986 | ND | | 0.000973 | ND | | 0.000985 | ND | | 0.00097 | - | | - |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00492 | - | | - | ND | | 0.00498 | ND | | 0.00493 | ND | | 0.00486 | ND | | 0.00493 | ND | | 0.00485 | - | | - |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00492 | - | | - | ND | | 0.00498 | ND | | 0.00493 | ND | | 0.00486 | ND | | 0.00493 | ND | | 0.00485 | - | | - |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
| | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 | - | | - | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.16 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.4 | | 0.11 | - | | - | 0.12 | | 0.1 | ND | | 0.11 | 0.028 | J | 0.11 | 0.028 | J | 0.11 | ND | | 0.11 | - | | - |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.22 | - | | - | ND | | 0.21 | ND | | 0.21 | ND | | 0.21 | ND | | 0.22 | ND | | 0.23 | - | | - |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.2 | - | | - |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.52 | - | | - | ND | | 0.49 | ND | | 0.51 | ND | | 0.51 | ND | | 0.53 | ND | | 0.54 | - | | - |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.16 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.18 | - | | - | ND | | 0.17 | 0.043 | J | 0.18 | 0.053 | J | 0.18 | 0.07 | J | 0.18 | ND | | 0.19 | - | | - |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.16 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | 0.057 | J | 0.18 | ND | | 0.19 | - | | - |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.12 | | 0.11 | - | | - | 0.036 | J | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | 0.11 | J | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.16 | | 0.11 | - | | - | 0.049 | J | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | 0.068 | J | 0.11 | - | | - | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.16 | | 0.11 | - | | - | 0.048 | J | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | 0.038 | J | 0.11 | - | | - | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.059 | J | 0.14 | - | | - | 0.027 | J | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.22 | | 0.11 | - | | - | 0.096 | J | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.11 | - | | - | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.055 | J | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | | 0.29 | | 0.11 | - | | - | 0.092 | J | 0.1 | ND | | 0.11 | 0.025 | J | 0.11 | 0.025 | J | 0.11 | ND | | 0.11 | - | | - |
| Biphenyl | NA | NA | NA | NA | NA | | ND | | 0.41 | - | | - | ND | | 0.39 | ND | | 0.4 | ND | | 0.41 | ND | | 0.42 | ND | | 0.43 | - | | - |
| 4-Chloroaniline | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 3-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 4-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | | ND | | 0.22 | - | | - | ND | | 0.21 | ND | | 0.21 | ND | | 0.21 | ND | | 0.22 | ND | | 0.23 | - | | - |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Acetophenone | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.11 | - | | - | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2-Chlorophenol | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.16 | - | | - | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2-Nitrophenol | NA | NA | NA | NA | NA | | ND | | 0.39 | - | | - | ND | | 0.37 | ND | | 0.38 | ND | | 0.38 | ND | | 0.4 | ND | | 0.41 | - | | - |
| 4-Nitrophenol | NA | NA | NA | NA | NA | | ND | | 0.25 | - | | - | ND | | 0.24 | ND | | 0.25 | ND | | 0.25 | ND | | 0.26 | ND | | 0.27 | - | | - |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | | ND | | 0.86 | - | | - | ND | | 0.83 | ND | | 0.85 | ND | | 0.86 | ND | | 0.89 | ND | | 0.91 | - | | - |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | | ND | | 0.47 | - | | - | ND | | 0.45 | ND | | 0.46 | ND | | 0.46 | ND | | 0.48 | ND | | 0.49 | - | | - |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | | ND | | 0.26 | - | | - | ND | | 0.25 | ND | | 0.26 | ND | | 0.26 | ND | | 0.27 | ND | | 0.27 | - | | - |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Carbazole | NA | NA | NA | NA | NA | | 0.035 | J | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| Atrazine | NA | NA | NA | NA | NA | | ND | | 0.14 | - | | - | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - |
| Benzaldehyde | NA | NA | NA | NA | NA | | ND | | 0.24 | - | | - | ND | | 0.23 | ND | | 0.23 | ND | | 0.24 | ND | | 0.24 | ND | | 0.25 | - | | - |
| Caprolactam | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | | ND | | 0.18 | - | | - | ND | | 0.17 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | | ND | | 0.027 | - | | - | ND | | 0.026 | ND | | 0.027 | ND | | 0.027 | ND | | 0.028 | ND | | 0.028 | - | | - |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | | ND | | 0.181 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.192 | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | | ND | | 0.00069 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000752 | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | | ND | | 0.00069 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000752 | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | ND | | 0.000828 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000902 | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | ND | | 0.0031 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00338 | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | ND | | 0.00069 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000752 | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | | ND | | 0.00207 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | ND | | 0.00104 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00113 | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.00166 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0018 | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | ND | | 0.00069 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.000752 | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | | ND | | 0.0031 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00338 | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | | ND | | 0.031 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.0338 | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | ND | | 0.00207 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | | ND | | 0.00207 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - |
| Chlordane | NA | NA | NA | NA | NA | | ND | | 0.0138 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.015 | - | | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | | ND | | 0.0518 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.053 | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | | 4480 | | 8.54 | - | | - | 3820 | | 8.23 | 6210 | | 8.19 | 4010 | | 8.46 | 6440 | | 8.92 | 5990 | | 8.98 | - | | - |
| Antimony, Total | NA | NA | NA | NA | NA | | ND | | 4.27 | - | | - | ND | | 4.11 | 0.645 | J | 4.1 | 0.737 | J | 4.23 | 1.06 | J | 4.46 | ND | | 4.49 | - | | - |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 4.67 | | 0.854 | - | | - | 1.91 | | 0.823 | 1.98 | | 0.819 | 2.87 | | 0.846 | 3.41 | | 0.892 | 3.1 | | 0.898 | - | | - |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 84.3 | | 0.854 | - | | - | 13.9 | | 0.823 | 37.1 | | 0.819 | 26 | | 0.846 | 42.5 | | 0.892 | 42 | | 0.898 | - | | - |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.201 | J | 0.427 | - | | - | 0.171 | J | 0.411 | 0.363 | J | 0.41 | 0.242 | J | 0.423 | 0.34 | J | 0.446 | 0.287 | J | 0.449 | - | | - |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.347 | J | 0.854 | - | | - | 0.232 | J | 0.823 | 0.118 | J | 0.819 | 0.223 | J | 0.846 | 0.161 | J | 0.892 | 0.236 | J | 0.898 | - | | - |
| Calcium, Total | NA | NA | NA | NA | NA | | 34500 | | 8.54 | - | | - | 1400 | | 8.23 | 1800 | | 8.19 | 11800 | | 8.46 | 43600 | | 8.92 | 10900 | | 8.98 | - | | - |
| Chromium, Total | NA | NA | NA | NA | NA | | 7.58 | | 0.854 | - | | - | 4.77 | | 0.823 | 8.51 | | 0.819 | 6.12 | | 0.846 | 9.35 | | 0.892 | 9.45 | | 0.898 | - | | - |
| Cobalt, Total | NA | NA | NA | NA | NA | | 3.3 | | 1.71 | - | | - | 2.11 | | 1.64 | 3.95 | | 1.64 | 2.86 | | 1.69 | 4.76 | | 1.78 | 3.95 | | 1.8 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | E1-01 2FT | | | E1-02 3FT | | | E2-01 1FT | | | E3-01 | | | E4-01 | | | E5-01 | | | F1-01 1FT | | | F1-02 2FT | | |
| | | | | | COLLECTION DATE: | 8/10/2023 | | | 8/10/2023 | | | 8/10/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/16/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 3 | | | 1 | | | 2 | | | 2 | | | 2 | | | 1 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 12.8 | | 0.854 | - | | - | 10.5 | | 0.823 | 11.1 | | 0.819 | 10.2 | | 0.846 | 10.9 | | 0.892 | 10.7 | | 0.898 | - | | - |
| Iron, Total | NA | NA | NA | NA | NA | 8700 | | 4.27 | - | | - | 7370 | | 4.11 | 12100 | | 4.1 | 9180 | | 4.23 | 12000 | | 4.46 | 10900 | | 4.49 | - | | - |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | **229** | | 4.27 | 9.21 | | 2.38 | 11.3 | | 4.11 | 12.4 | | 4.1 | 60.6 | | 4.23 | 31.2 | | 4.46 | **65.9** | | 4.49 | 20.8 | | 2.24 |
| Magnesium, Total | NA | NA | NA | NA | NA | 9600 | | 8.54 | - | | - | 1080 | | 8.23 | 1880 | | 8.19 | 6280 | | 8.46 | 17900 | | 8.92 | 5380 | | 8.98 | - | | - |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 292 | | 0.854 | - | | - | 261 | | 0.823 | 355 | | 0.819 | 246 | | 0.846 | 310 | | 0.892 | 389 | | 0.898 | - | | - |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.073 | | 0.069 | - | | - | ND | | 0.067 | ND | | 0.077 | 0.07 | J | 0.076 | 0.145 | | 0.077 | **0.687** | | 0.091 | ND | | 0.084 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 6.95 | | 2.13 | - | | - | 5.43 | | 2.06 | 6.55 | | 2.05 | 4.65 | | 2.11 | 7.59 | | 2.23 | 8.99 | | 2.24 | - | | - |
| Potassium, Total | NA | NA | NA | NA | NA | 495 | | 213 | - | | - | 340 | | 206 | 587 | | 205 | 344 | | 211 | 726 | | 223 | 742 | | 224 | - | | - |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.71 | - | | - | 0.453 | J | 1.64 | ND | | 1.64 | ND | | 1.69 | ND | | 1.78 | ND | | 1.8 | - | | - |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.427 | - | | - | ND | | 0.411 | ND | | 0.41 | ND | | 0.423 | ND | | 0.446 | ND | | 0.449 | - | | - |
| Sodium, Total | NA | NA | NA | NA | NA | 438 | | 171 | - | | - | 192 | | 164 | 155 | J | 164 | 104 | J | 169 | 148 | J | 178 | 424 | | 180 | - | | - |
| Thallium, Total | NA | NA | NA | NA | NA | 0.575 | J | 1.71 | - | | - | 0.565 | J | 1.64 | ND | | 1.64 | ND | | 1.69 | ND | | 1.78 | ND | | 1.8 | - | | - |
| Vanadium, Total | NA | NA | NA | NA | NA | 11 | | 0.854 | - | | - | 8.93 | | 0.823 | 15.4 | | 0.819 | 12.4 | | 0.846 | 15.4 | | 0.892 | 15.3 | | 0.898 | - | | - |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | **143** | | 4.27 | 66.7 | | 2.38 | 108 | | 4.11 | 84.4 | | 4.1 | 97.7 | | 4.23 | 69.6 | | 4.46 | 108 | | 4.49 | - | | - |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 91.3 | | 0.1 | 81.1 | | 0.1 | 94.8 | | 0.1 | 93.6 | | 0.1 | 92.6 | | 0.1 | 89.5 | | 0.1 | 86.5 | | 0.1 | 86.1 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1 | - | | - | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1.1 | - | | - |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | ND | | 0.876 | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.925 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.004 | ND | | 0.0056 | ND | | 0.0082 | ND | | 0.0051 | ND | | 0.0045 | ND | | 0.0049 | ND | | 0.0059 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0012 | ND | | 0.0017 | ND | | 0.0024 | ND | | 0.0015 | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.0018 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | 0.00021 | J | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0012 | ND | | 0.0017 | ND | | 0.0024 | ND | | 0.0015 | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.0018 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.0004 | ND | | 0.00056 | ND | | 0.00082 | ND | | 0.00051 | ND | | 0.00045 | ND | | 0.00049 | ND | | 0.00059 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | 0.00036 | J | 0.002 | ND | | 0.0023 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | 0.00057 | J | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | 0.0089 | J | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0024 | ND | | 0.0034 | ND | | 0.0049 | ND | | 0.0031 | ND | | 0.0027 | ND | | 0.003 | ND | | 0.0035 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.00099 | ND | | 0.0012 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0016 | ND | | 0.0023 | ND | | 0.0033 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | ND | | 0.0023 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.0099 | ND | | 0.012 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0032 | ND | | 0.0045 | ND | | 0.0065 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.004 | ND | | 0.0047 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | 0.000397 | J | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | 0.0004 | J | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000401 | ND | | 0.00039 | ND | | 0.000394 | ND | | 0.000396 | ND | | 0.000393 | ND | | 0.000385 | ND | | 0.000392 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.0002 | 0.000062 | J | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.0002 | 0.000062 | J | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | 0.000173 | J | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000801 | ND | | 0.00078 | ND | | 0.000788 | ND | | 0.000791 | ND | | 0.000785 | ND | | 0.000771 | ND | | 0.000783 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.000195 | ND | | 0.000197 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000193 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.00195 | ND | | 0.00197 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00193 | ND | | 0.00196 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.00195 | ND | | 0.00197 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00193 | ND | | 0.00196 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000401 | ND | | 0.00039 | ND | | 0.000394 | ND | | 0.000396 | ND | | 0.000393 | ND | | 0.000385 | ND | | 0.000392 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000401 | ND | | 0.00039 | ND | | 0.000394 | ND | | 0.000396 | ND | | 0.000393 | ND | | 0.000385 | ND | | 0.000392 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000401 | ND | | 0.00039 | ND | | 0.000394 | ND | | 0.000396 | ND | | 0.000393 | ND | | 0.000385 | ND | | 0.000392 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000401 | ND | | 0.00039 | ND | | 0.000394 | ND | | 0.000396 | ND | | 0.000393 | ND | | 0.000385 | ND | | 0.000392 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.000975 | ND | | 0.000986 | ND | | 0.000989 | ND | | 0.000982 | ND | | 0.000963 | ND | | 0.000979 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00501 | ND | | 0.00488 | ND | | 0.00493 | ND | | 0.00494 | ND | | 0.00491 | ND | | 0.00482 | ND | | 0.00489 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00501 | ND | | 0.00488 | ND | | 0.00493 | ND | | 0.00494 | ND | | 0.00491 | ND | | 0.00482 | ND | | 0.00489 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.14 | 0.23 | J | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 | ND | | 0.54 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.82 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | 3.3 | | 0.54 | 0.21 | | 0.11 | 0.025 | J | 0.11 | 0.35 | | 0.11 | 0.12 | | 0.11 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 1.1 | ND | | 0.22 | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 | ND | | 0.23 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.98 | ND | | 0.2 | ND | | 0.19 | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.51 | ND | | 2.6 | ND | | 0.53 | ND | | 0.52 | ND | | 0.52 | ND | | 0.51 | ND | | 0.55 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.82 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | 0.29 | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.82 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 | 0.9 | | 0.54 | 0.052 | J | 0.11 | ND | | 0.11 | 0.12 | | 0.11 | 0.03 | J | 0.11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.14 | 0.67 | J | 0.72 | ND | | 0.15 | ND | | 0.14 | 0.11 | J | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 | 0.93 | | 0.54 | 0.061 | J | 0.11 | ND | | 0.11 | 0.15 | | 0.11 | 0.036 | J | 0.11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.11 | 0.3 | J | 0.54 | ND | | 0.11 | ND | | 0.11 | 0.051 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | ND | | 0.11 | **1.1** | | 0.54 | 0.069 | J | 0.11 | ND | | 0.11 | 0.14 | | 0.11 | 0.041 | J | 0.11 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | 0.52 | J | 0.54 | ND | | 0.11 | ND | | 0.11 | 0.041 | J | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | 0.38 | J | 0.72 | 0.026 | J | 0.15 | ND | | 0.14 | 0.077 | J | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.18 | 0.22 | J | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | 3.4 | | 0.54 | 0.19 | | 0.11 | ND | | 0.11 | 0.25 | | 0.11 | 0.11 | | 0.11 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.11 | 0.1 | J | 0.54 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | ND | | 0.14 | 0.44 | J | 0.72 | 0.029 | J | 0.15 | ND | | 0.14 | 0.082 | J | 0.14 | ND | | 0.14 | ND | | 0.15 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | 2.6 | | 0.54 | 0.16 | | 0.11 | 0.02 | J | 0.11 | 0.28 | | 0.11 | 0.083 | J | 0.11 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.4 | ND | | 2.1 | ND | | 0.42 | ND | | 0.41 | ND | | 0.42 | ND | | 0.41 | ND | | 0.44 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.18 | 0.22 | J | 0.9 | ND | | 0.19 | ND | | 0.18 | 0.02 | J | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 1.1 | ND | | 0.22 | ND | | 0.22 | ND | | 0.22 | ND | | 0.21 | ND | | 0.23 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.11 | ND | | 0.54 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.82 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.38 | ND | | 2 | ND | | 0.4 | ND | | 0.39 | ND | | 0.39 | ND | | 0.38 | ND | | 0.41 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.25 | ND | | 1.3 | ND | | 0.26 | ND | | 0.25 | ND | | 0.26 | ND | | 0.25 | ND | | 0.27 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.85 | ND | | 4.3 | ND | | 0.89 | ND | | 0.86 | ND | | 0.88 | ND | | 0.85 | ND | | 0.92 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.46 | ND | | 2.4 | ND | | 0.48 | ND | | 0.47 | ND | | 0.47 | ND | | 0.46 | ND | | 0.5 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.14 | ND | | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.26 | ND | | 1.3 | ND | | 0.27 | ND | | 0.26 | ND | | 0.26 | ND | | 0.26 | ND | | 0.28 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.18 | 0.3 | J | 0.9 | 0.02 | J | 0.19 | ND | | 0.18 | 0.026 | J | 0.18 | ND | | 0.18 | ND | | 0.19 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.72 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.23 | ND | | 1.2 | ND | | 0.24 | ND | | 0.24 | ND | | 0.24 | ND | | 0.24 | ND | | 0.25 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.9 | ND | | 0.19 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.026 | ND | | 0.14 | ND | | 0.028 | ND | | 0.027 | ND | | 0.027 | ND | | 0.027 | ND | | 0.029 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | ND | | 0.181 | - | | - | - | | - | ND | | 0.181 | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | ND | | 0.000725 | - | | - | - | | - | ND | | 0.000701 | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | ND | | 0.000725 | - | | - | - | | - | ND | | 0.000701 | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | - | | - | ND | | 0.00087 | - | | - | - | | - | ND | | 0.000842 | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00326 | - | | - | - | | - | ND | | 0.00316 | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | - | | - | ND | | 0.000725 | - | | - | - | | - | ND | | 0.000701 | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00218 | - | | - | - | | - | ND | | 0.0021 | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | - | | - | ND | | 0.00109 | - | | - | - | | - | ND | | 0.00105 | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | ND | | 0.00174 | - | | - | - | | - | ND | | 0.00168 | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | ND | | 0.000725 | - | | - | - | | - | ND | | 0.000701 | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00326 | - | | - | - | | - | ND | | 0.00316 | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0326 | - | | - | - | | - | ND | | 0.0316 | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | - | | - | ND | | 0.00218 | - | | - | - | | - | ND | | 0.0021 | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.00218 | - | | - | - | | - | ND | | 0.0021 | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | | - | | - | ND | | 0.0145 | - | | - | - | | - | ND | | 0.014 | - | | - | - | | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | | - | | - | ND | | 0.0548 | - | | - | - | | - | ND | | 0.0524 | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | | 2140 | | 8.39 | 6480 | | 8.73 | 7510 | | 8.88 | 1980 | | 8.46 | 6260 | | 8.65 | 6400 | | 8.45 | 8400 | | 9.14 |
| Antimony, Total | NA | NA | NA | NA | NA | | ND | | 4.2 | ND | | 4.37 | ND | | 4.44 | ND | | 4.23 | ND | | 4.32 | ND | | 4.23 | ND | | 4.57 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 1.4 | | 0.839 | 4.36 | | 0.873 | 1.8 | | 0.888 | 1.4 | | 0.846 | 7.31 | | 0.865 | 1.56 | | 0.845 | 3.22 | | 0.914 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 8.94 | | 0.839 | 61.7 | | 0.873 | 40.7 | | 0.888 | 10.9 | | 0.846 | 104 | | 0.865 | 17.7 | | 0.845 | 40.2 | | 0.914 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.108 | J | 0.42 | 0.293 | J | 0.437 | 0.284 | J | 0.444 | 0.108 | J | 0.423 | 0.388 | J | 0.432 | 0.268 | J | 0.423 | 0.41 | J | 0.457 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.146 | J | 0.839 | 0.227 | J | 0.873 | 0.113 | J | 0.888 | ND | | 0.846 | 0.692 | J | 0.865 | 0.126 | J | 0.845 | ND | | 0.914 |
| Calcium, Total | NA | NA | NA | NA | NA | | 41100 | | 8.39 | 20600 | | 8.73 | 1980 | | 8.88 | 57600 | | 8.46 | 21400 | | 8.65 | 655 | | 8.45 | 2030 | | 9.14 |
| Chromium, Total | NA | NA | NA | NA | NA | | 9.84 | | 0.839 | 8.44 | | 0.873 | 9.61 | | 0.888 | 3.9 | | 0.846 | 11.4 | | 0.865 | 6.68 | | 0.845 | 11.8 | | 0.914 |
| Cobalt, Total | NA | NA | NA | NA | NA | | 1.79 | | 1.68 | 3.77 | | 1.75 | 4.31 | | 1.78 | 1.8 | | 1.69 | 4.44 | | 1.73 | 2.77 | | 1.69 | 4.1 | | 1.83 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F1-04 15FT | | | F2-00 1FT | | | F2-01 2FT | | | F2-04 15FT | | | F3-00-1FT | | | F3-01 2FT | | | DUP-C | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | | 8/11/2023 | | |
| | | | | | SAMPLE DEPTH: | 15 | | | 1 | | | 2 | | | 15 | | | 1 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 6.95 | | 0.839 | 12.3 | | 0.873 | 4.97 | | 0.888 | 6.78 | | 0.846 | 32.6 | | 0.865 | 3.26 | | 0.845 | 14.4 | | 0.914 |
| Iron, Total | NA | NA | NA | NA | NA | 6460 | | 4.2 | 10400 | | 4.37 | 10700 | | 4.44 | 5830 | | 4.23 | 12700 | | 4.32 | 9080 | | 4.23 | 13700 | | 4.57 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 7.89 | | 4.2 | **83.4** | | 4.37 | 13.2 | | 4.44 | 7.96 | | 4.23 | **349** | | 4.32 | 9.19 | | 4.23 | 10 | | 4.57 |
| Magnesium, Total | NA | NA | NA | NA | NA | 20900 | | 8.39 | 11500 | | 8.73 | 1760 | | 8.88 | 28200 | | 8.46 | 6820 | | 8.65 | 1040 | | 8.45 | 2210 | | 9.14 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 214 | | 0.839 | 643 | | 0.873 | 220 | | 0.888 | 225 | | 0.846 | 334 | | 0.865 | 221 | | 0.845 | 258 | | 0.914 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | ND | | 0.069 | **0.297** | | 0.086 | ND | | 0.076 | ND | | 0.069 | **0.26** | | 0.08 | ND | | 0.08 | ND | | 0.087 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 3.83 | | 2.1 | 7.36 | | 2.18 | 7.57 | | 2.22 | 3.47 | | 2.12 | 13 | | 2.16 | 4.69 | | 2.11 | 11.6 | | 2.28 |
| Potassium, Total | NA | NA | NA | NA | NA | 402 | | 210 | 473 | | 218 | 415 | | 222 | 375 | | 212 | 608 | | 216 | 286 | | 211 | 759 | | 228 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.68 | ND | | 1.75 | ND | | 1.78 | ND | | 1.69 | 0.483 | J | 1.73 | ND | | 1.69 | ND | | 1.83 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.42 | ND | | 0.437 | ND | | 0.444 | ND | | 0.423 | 0.288 | J | 0.432 | ND | | 0.423 | ND | | 0.457 |
| Sodium, Total | NA | NA | NA | NA | NA | 283 | | 168 | 169 | J | 175 | 105 | J | 178 | 124 | J | 169 | 491 | | 173 | 276 | | 169 | 302 | | 183 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.68 | ND | | 1.75 | ND | | 1.78 | ND | | 1.69 | ND | | 1.73 | ND | | 1.69 | ND | | 1.83 |
| Vanadium, Total | NA | NA | NA | NA | NA | 9.51 | | 0.839 | 14.3 | | 0.873 | 17 | | 0.888 | 7.41 | | 0.846 | 16.5 | | 0.865 | 13.6 | | 0.845 | 18 | | 0.914 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 63.9 | | 4.2 | 80.9 | | 4.37 | 45 | | 4.44 | 39.8 | | 4.23 | **254** | | 4.32 | 51.7 | | 4.23 | 100 | | 4.57 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 93.3 | | 0.1 | 89.8 | | 0.1 | 89 | | 0.1 | 91.1 | | 0.1 | 90.3 | | 0.1 | 91.7 | | 0.1 | 86 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 0.98 | ND | | 1 | ND | | 1.1 | ND | | 1 | ND | | 1.1 | ND | | 1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | ND | | 0.891 | - | | - | - | | - | ND | | 0.886 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | ND | | 0.0051 | ND | | 0.0046 | ND | | 0.0051 | - | | - | ND | | 0.0048 | ND | | 0.0048 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | ND | | 0.0015 | ND | | 0.0014 | ND | | 0.0015 | - | | - | ND | | 0.0014 | ND | | 0.0014 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Dibromochloromethane | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Bromodichloromethane | NA | NA | NA | NA | NA | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Bromoform | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Chloromethane | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| Bromomethane | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Chloroethane | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | ND | | 0.0015 | ND | | 0.0014 | ND | | 0.0015 | - | | - | ND | | 0.0014 | ND | | 0.0014 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | ND | | 0.00051 | ND | | 0.00046 | ND | | 0.00051 | - | | - | ND | | 0.00048 | ND | | 0.00048 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | 0.00033 | J | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| p/m-Xylene | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| o-Xylene | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Styrene | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| Carbon disulfide | NA | NA | NA | NA | NA | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| 2-Hexanone | NA | NA | NA | NA | NA | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | | ND | | 0.003 | ND | | 0.0028 | ND | | 0.0031 | - | | - | ND | | 0.0029 | ND | | 0.0028 |
| Isopropylbenzene | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | | ND | | 0.001 | ND | | 0.00092 | ND | | 0.001 | - | | - | ND | | 0.00097 | ND | | 0.00095 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | | ND | | 0.002 | ND | | 0.0018 | ND | | 0.002 | - | | - | ND | | 0.0019 | ND | | 0.0019 |
| Methyl Acetate | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| Cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.01 | ND | | 0.0092 | ND | | 0.01 | - | | - | ND | | 0.0097 | ND | | 0.0095 |
| Freon-113 | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.0041 | ND | | 0.0037 | ND | | 0.0041 | - | | - | ND | | 0.0039 | ND | | 0.0038 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | 0.000072 | J | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | | ND | | 0.000392 | ND | | 0.000415 | 0.000136 | J | 0.000399 | - | | - | ND | | 0.000393 | ND | | 0.000391 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | 0.000096 | JF | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | 0.000056 | J | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | | ND | | 0.000196 | ND | | 0.000208 | 0.000264 | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | | ND | | 0.000196 | 0.000183 | J | 0.000208 | 0.000607 | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | 0.000032 | J | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | | 0.000784 | ND | | 0.000831 | ND | | 0.000799 | - | | - | ND | | 0.000786 | ND | | 0.000782 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000196 | ND | | 0.000208 | ND | | 0.0002 | - | | - | ND | | 0.000197 | ND | | 0.000196 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00196 | ND | | 0.00208 | ND | | 0.002 | - | | - | ND | | 0.00197 | ND | | 0.00196 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00196 | ND | | 0.00208 | ND | | 0.002 | - | | - | ND | | 0.00197 | ND | | 0.00196 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | | 0.000392 | ND | | 0.000415 | ND | | 0.000399 | - | | - | ND | | 0.000393 | ND | | 0.000391 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | | 0.000392 | ND | | 0.000415 | ND | | 0.000399 | - | | - | ND | | 0.000393 | ND | | 0.000391 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | | 0.000392 | ND | | 0.000415 | ND | | 0.000399 | - | | - | ND | | 0.000393 | ND | | 0.000391 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | | 0.000392 | ND | | 0.000415 | ND | | 0.000399 | - | | - | ND | | 0.000393 | ND | | 0.000391 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00098 | ND | | 0.00104 | ND | | 0.000998 | - | | - | ND | | 0.000983 | ND | | 0.000978 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.0049 | ND | | 0.00519 | ND | | 0.00499 | - | | - | ND | | 0.00492 | ND | | 0.00489 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.0049 | ND | | 0.00519 | ND | | 0.00499 | - | | - | ND | | 0.00492 | ND | | 0.00489 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | ND | | 0.15 | 0.071 | J | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.1 | ND | | 0.11 | 1.8 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.22 | ND | | 0.22 | - | | - | ND | | 0.22 | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.2 | ND | | 0.2 | - | | - | ND | | 0.19 | ND | | 0.19 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.5 | ND | | 0.53 | ND | | 0.54 | - | | - | ND | | 0.52 | ND | | 0.51 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | 0.083 | J | 0.18 | 0.061 | J | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | 0.21 | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.1 | ND | | 0.11 | 0.73 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.14 | ND | | 0.15 | 0.75 | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.1 | ND | | 0.11 | 0.91 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.1 | ND | | 0.11 | 0.38 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | ND | | 0.1 | ND | | 0.11 | 0.79 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.1 | ND | | 0.11 | 0.17 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.15 | 0.46 | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | 0.074 | J | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.1 | ND | | 0.11 | 0.84 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.1 | ND | | 0.11 | 0.1 | J | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | ND | | 0.14 | ND | | 0.15 | 0.42 | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.1 | ND | | 0.11 | 1.4 | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.4 | ND | | 0.42 | ND | | 0.43 | - | | - | ND | | 0.41 | ND | | 0.41 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.18 | ND | | 0.19 | 0.035 | J | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.22 | ND | | 0.22 | - | | - | ND | | 0.22 | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.1 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.17 | ND | | 0.17 | - | | - | ND | | 0.16 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.38 | ND | | 0.4 | ND | | 0.4 | - | | - | ND | | 0.39 | ND | | 0.39 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.26 | ND | | 0.26 | - | | - | ND | | 0.25 | ND | | 0.25 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.84 | ND | | 0.9 | ND | | 0.9 | - | | - | ND | | 0.86 | ND | | 0.86 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.46 | ND | | 0.48 | ND | | 0.49 | - | | - | ND | | 0.47 | ND | | 0.47 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.25 | ND | | 0.27 | ND | | 0.27 | - | | - | ND | | 0.26 | ND | | 0.26 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | 0.12 | J | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 | - | | - | ND | | 0.14 | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.23 | ND | | 0.25 | ND | | 0.25 | - | | - | ND | | 0.24 | ND | | 0.24 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | ND | | 0.19 | - | | - | ND | | 0.18 | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.026 | ND | | 0.028 | ND | | 0.028 | - | | - | ND | | 0.027 | ND | | 0.027 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.192 | - | | - | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | ND | | 0.000734 | - | | - | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | ND | | 0.000734 | - | | - | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
| | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - | - | | - | ND | | 0.00088 | - | | - | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0033 | - | | - | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - | - | | - | ND | | 0.000734 | - | | - | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0022 | - | | - | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - | - | | - | ND | | 0.0011 | - | | - | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - | - | | - | **0.00723** | | 0.00176 | 0.00132 | J | 0.0018 | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | | - | - | | - | **0.0084** | | 0.00176 | 0.00179 | J | 0.0018 | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.00176 | - | | - | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.000734 | - | | - | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0033 | - | | - | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.033 | - | | - | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - | - | | - | ND | | 0.0022 | - | | - | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0022 | - | | - | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0147 | - | | - | - | | - | - | | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0527 | - | | - | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 3060 | | 8.2 | 6420 | | 8.63 | 6110 | | 8.95 | - | | - | 3950 | | 8.36 | 2160 | | 8.38 |
| Antimony, Total | NA | NA | NA | NA | NA | ND | | 4.1 | ND | | 4.31 | ND | | 4.48 | - | | - | 0.787 | J | 4.18 | 0.709 | J | 4.19 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 1.22 | | 0.82 | 2.37 | | 0.863 | 3.75 | | 0.895 | - | | - | 2.03 | | 0.836 | 1.32 | | 0.838 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 10.1 | | 0.82 | 41.4 | | 0.863 | 39.7 | | 0.895 | - | | - | 26.3 | | 0.836 | 10.4 | | 0.838 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.141 | J | 0.41 | 0.277 | J | 0.431 | 0.334 | J | 0.448 | - | | - | 0.205 | J | 0.418 | 0.136 | J | 0.419 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.113 | J | 0.82 | ND | | 0.863 | 0.29 | J | 0.895 | - | | - | 0.184 | J | 0.836 | 0.11 | J | 0.838 |
| Calcium, Total | NA | NA | NA | NA | NA | 1170 | | 8.2 | 51500 | | 8.63 | 32600 | | 8.95 | - | | - | 54600 | | 8.36 | 31300 | | 8.38 |
| Chromium, Total | NA | NA | NA | NA | NA | 4.63 | | 0.82 | 10.8 | | 0.863 | 12.4 | | 0.895 | - | | - | 6.35 | | 0.836 | 4.94 | | 0.838 |
| Cobalt, Total | NA | NA | NA | NA | NA | 2.15 | | 1.64 | 5.56 | | 1.72 | 4.7 | | 1.79 | - | | - | 3.25 | | 1.67 | 2.36 | | 1.68 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | F4-01 2FT | | | F5-01 2FT | | | G1-01 | | | G1-02 | | | G2-01 | | | G3-01 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/11/2023 | | | 8/11/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/16/2023 | | | 8/16/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | | 4 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | | 4.68 | | 0.82 | 11.4 | | 0.863 | 19 | | 0.895 | - | | - | 10.2 | | 0.836 | 7.04 | | 0.838 |
| Iron, Total | NA | NA | NA | NA | NA | | 8280 | | 4.1 | 12000 | | 4.31 | 12600 | | 4.48 | - | | - | 8870 | | 4.18 | 7240 | | 4.19 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | | 7.92 | | 4.1 | 10.8 | | 4.31 | **67.2** | | 4.48 | 47 | | 2.21 | 18 | | 4.18 | 9.62 | | 4.19 |
| Magnesium, Total | NA | NA | NA | NA | NA | | 866 | | 8.2 | 23400 | | 8.63 | 15600 | | 8.95 | - | | - | 25100 | | 8.36 | 18700 | | 8.38 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | | 240 | | 0.82 | 361 | | 0.863 | 356 | | 0.895 | - | | - | 299 | | 0.836 | 265 | | 0.838 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | | ND | | 0.085 | ND | | 0.072 | 0.063 | J | 0.074 | - | | - | ND | | 0.076 | ND | | 0.076 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | | 4.01 | | 2.05 | 12.5 | | 2.16 | 12.3 | | 2.24 | - | | - | 5.32 | | 2.09 | 2.96 | | 2.09 |
| Potassium, Total | NA | NA | NA | NA | NA | | 286 | | 205 | 1020 | | 216 | 730 | | 224 | - | | - | 552 | | 209 | 323 | | 209 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | | ND | | 1.64 | ND | | 1.72 | ND | | 1.79 | - | | - | ND | | 1.67 | ND | | 1.68 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | | ND | | 0.41 | 0.285 | J | 0.431 | ND | | 0.448 | - | | - | ND | | 0.418 | ND | | 0.419 |
| Sodium, Total | NA | NA | NA | NA | NA | | 146 | J | 164 | 473 | | 172 | 395 | | 179 | - | | - | 133 | J | 167 | 170 | | 168 |
| Thallium, Total | NA | NA | NA | NA | NA | | 0.262 | J | 1.64 | ND | | 1.72 | 0.492 | J | 1.79 | - | | - | ND | | 1.67 | ND | | 1.68 |
| Vanadium, Total | NA | NA | NA | NA | NA | | 11.5 | | 0.82 | 15.9 | | 0.863 | 14 | | 0.895 | - | | - | 10.7 | | 0.836 | 10.4 | | 0.838 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | | 70.3 | | 4.1 | 48.1 | | 4.31 | 107 | | 4.48 | - | | - | 69.3 | | 4.18 | 46.7 | | 4.19 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | | 94.3 | | 0.1 | 89 | | 0.1 | 86.8 | | 0.1 | 86.4 | | 0.1 | 91.8 | | 0.1 | 91.6 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | | ND | | 1 | ND | | 1 | ND | | 1.1 | - | | - | ND | | 1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | | - | | - | - | | - | ND | | 0.922 | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( | |
| | | | | | | SAMPLE DEPTH: | 2 | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | 0.0061 | | ND | 0.0063 | | - | - | | ND | 0.0046 | | ND | 0.0066 | | ND | 0.0074 | | - | - | | ND | |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | 0.0018 | | ND | 0.0019 | | - | - | | ND | 0.0014 | | ND | 0.002 | | ND | 0.0022 | | - | - | | ND | |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | 0.0049 | | ND | 0.005 | | - | - | | ND | 0.0037 | | ND | 0.0052 | | ND | 0.0059 | | - | - | | ND | |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Bromoform | NA | NA | NA | NA | NA | ND | 0.0049 | | ND | 0.005 | | - | - | | ND | 0.0037 | | ND | 0.0052 | | ND | 0.0059 | | - | - | | ND | |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Chloromethane | NA | NA | NA | NA | NA | ND | 0.0049 | | ND | 0.005 | | - | - | | ND | 0.0037 | | ND | 0.0052 | | ND | 0.0059 | | - | - | | ND | |
| Bromomethane | NA | NA | NA | NA | NA | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Chloroethane | NA | NA | NA | NA | NA | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | 0.0018 | | ND | 0.0019 | | - | - | | ND | 0.0014 | | ND | 0.002 | | ND | 0.0022 | | - | - | | ND | |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | 0.00061 | | ND | 0.00063 | | - | - | | ND | 0.00046 | | ND | 0.00066 | | ND | 0.00074 | | - | - | | ND | |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | 0.0024 | | ND | 0.0025 | | - | - | | ND | 0.0018 | | ND | 0.0026 | | ND | 0.003 | | - | - | | ND | |
| o-Xylene | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Styrene | NA | NA | NA | NA | NA | ND | 0.0012 | | ND | 0.0013 | | - | - | | ND | 0.00092 | | ND | 0.0013 | | ND | 0.0015 | | - | - | | ND | |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | 0.012 | | ND | 0.013 | | - | - | | ND | 0.0092 | | ND | 0.013 | | ND | 0.015 | | - | - | | ND | |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| Carbon disulfide | NA | NA | NA | NA | NA | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| 2-Hexanone | NA | NA | NA | NA | NA | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | | ND | | 0.0024 | ND | | 0.0025 | - | | - | ND | | 0.0018 | ND | | 0.0026 | ND | | 0.003 | - | | - | ND | |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | | ND | | 0.0036 | ND | | 0.0038 | - | | - | ND | | 0.0028 | ND | | 0.0039 | ND | | 0.0044 | - | | - | ND | |
| Isopropylbenzene | NA | NA | NA | NA | NA | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.0049 | ND | | 0.005 | - | | - | ND | | 0.0037 | ND | | 0.0052 | ND | | 0.0059 | - | | - | ND | |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | | ND | | 0.0012 | ND | | 0.0013 | - | | - | ND | | 0.00092 | ND | | 0.0013 | ND | | 0.0015 | - | | - | ND | |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.0024 | ND | | 0.0025 | - | | - | ND | | 0.0018 | ND | | 0.0026 | ND | | 0.003 | - | | - | ND | |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | | ND | | 0.0024 | ND | | 0.0025 | - | | - | ND | | 0.0018 | ND | | 0.0026 | ND | | 0.003 | - | | - | ND | |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | | ND | | 0.0024 | ND | | 0.0025 | - | | - | ND | | 0.0018 | ND | | 0.0026 | ND | | 0.003 | - | | - | ND | |
| Methyl Acetate | NA | NA | NA | NA | NA | | ND | | 0.0049 | ND | | 0.005 | - | | - | ND | | 0.0037 | ND | | 0.0052 | ND | | 0.0059 | - | | - | ND | |
| Cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.012 | ND | | 0.013 | - | | - | ND | | 0.0092 | ND | | 0.013 | ND | | 0.015 | - | | - | ND | |
| Freon-113 | NA | NA | NA | NA | NA | | ND | | 0.0049 | ND | | 0.005 | - | | - | ND | | 0.0037 | ND | | 0.0052 | ND | | 0.0059 | - | | - | ND | |
| Methyl cyclohexane | NA | NA | NA | NA | NA | | ND | | 0.0049 | ND | | 0.005 | - | | - | ND | | 0.0037 | ND | | 0.0052 | ND | | 0.0059 | - | | - | ND | |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | 0.000405 | J | 0.000794 | 0.000119 | J | 0.000792 | - | | - | ND | |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | 0.000222 | J | 0.000396 | - | | - | ND | | 0.000395 | 0.000714 | | 0.000397 | 0.00019 | J | 0.000396 | - | | - | ND | |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000048 | J | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | 0.000182 | J | 0.000198 | - | | - | ND | | 0.000198 | 0.000468 | | 0.000198 | 0.000166 | J | 0.000198 | - | | - | 0.000044 | J |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | 0.000151 | J | 0.000198 | - | | - | ND | | 0.000198 | 0.000262 | | 0.000198 | 0.000095 | J | 0.000198 | - | | - | 0.000027 | J |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000064 | J | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | | ND | | 0.000198 | 0.000238 | | 0.000198 | - | | - | ND | | 0.000198 | **0.000952** | | 0.000198 | 0.000333 | | 0.000198 | - | | - | 0.000053 | J |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000793 | 0.000388 | J | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000182 | J | 0.000198 | 0.000079 | J | 0.000198 | - | | - | ND | |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | | ND | | 0.000198 | ND | | 0.000198 | - | | - | 0.000095 | J | 0.000198 | **0.00329** | | 0.000198 | **0.00118** | | 0.000198 | - | | - | 0.000779 | |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000294 | | 0.000198 | 0.000079 | J | 0.000198 | - | | - | 0.000188 | |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000135 | J | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000238 | | 0.000198 | 0.000071 | J | 0.000198 | - | | - | ND | |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000167 | J | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | 0.000056 | J | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | | 0.000793 | ND | | 0.000793 | - | | - | ND | | 0.00079 | ND | | 0.000794 | ND | | 0.000792 | - | | - | ND | |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | | 0.000198 | ND | | 0.000198 | ND | | 0.000198 | - | | - | ND | |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00198 | ND | | 0.00198 | - | | - | ND | | 0.00198 | 0.00027 | J | 0.00198 | ND | | 0.00198 | - | | - | ND | |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | | 0.00198 | ND | | 0.00198 | - | | - | ND | | 0.00198 | ND | | 0.00198 | ND | | 0.00198 | - | | - | ND | |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000396 | - | | - | ND | | 0.000395 | ND | | 0.000397 | ND | | 0.000396 | - | | - | ND | |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000396 | - | | - | ND | | 0.000395 | ND | | 0.000397 | ND | | 0.000396 | - | | - | ND | |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000396 | - | | - | ND | | 0.000395 | ND | | 0.000397 | ND | | 0.000396 | - | | - | ND | |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | | 0.000396 | ND | | 0.000396 | - | | - | ND | | 0.000395 | ND | | 0.000397 | ND | | 0.000396 | - | | - | ND | |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.000991 | ND | | 0.000991 | - | | - | ND | | 0.000988 | ND | | 0.000992 | ND | | 0.00099 | - | | - | ND | |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00496 | ND | | 0.00495 | - | | - | ND | | 0.00494 | ND | | 0.00496 | ND | | 0.00495 | - | | - | ND | |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00496 | ND | | 0.00495 | - | | - | ND | | 0.00494 | ND | | 0.00496 | ND | | 0.00495 | - | | - | ND | |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | 0.028 | J | 0.16 | - | | - | 0.11 | J | 0.15 | 0.025 | J | 0.17 | 0.032 | J | 0.15 | - | | - | ND | |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | | ND | | 0.1 | ND | | 0.12 | - | | - | ND | | 0.11 | ND | | 0.13 | ND | | 0.11 | - | | - | ND | |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.17 | ND | | 0.19 | ND | | 0.16 | - | | - | ND | |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.1 | 0.71 | | 0.12 | - | | - | 0.39 | | 0.11 | 0.82 | | 0.13 | 0.46 | | 0.11 | - | | - | 0.15 | |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | | ND | | 0.21 | ND | | 0.23 | - | | - | ND | | 0.22 | ND | | 0.26 | ND | | 0.22 | - | | - | ND | |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | | ND | | 0.19 | ND | | 0.21 | - | | - | ND | | 0.2 | ND | | 0.23 | ND | | 0.2 | - | | - | ND | |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | | ND | | 0.5 | ND | | 0.56 | - | | - | ND | | 0.53 | ND | | 0.62 | ND | | 0.52 | - | | - | ND | |
| Hexachloroethane | NA | NA | NA | NA | NA | | ND | | 0.14 | ND | | 0.16 | - | | - | ND | | 0.15 | ND | | 0.17 | ND | | 0.15 | - | | - | ND | |
| Isophorone | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.17 | ND | | 0.19 | ND | | 0.16 | - | | - | ND | |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | 0.061 | J | 0.18 | ND | | 0.19 | - | | - | 0.14 | J | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Nitrobenzene | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.17 | ND | | 0.19 | ND | | 0.16 | - | | - | ND | |
| NDPA/DPA | NA | NA | NA | NA | NA | | ND | | 0.14 | ND | | 0.16 | - | | - | ND | | 0.15 | ND | | 0.17 | ND | | 0.15 | - | | - | ND | |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | 0.3 | | 0.22 | 0.12 | J | 0.18 | - | | - | ND | |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | 0.048 | J | 0.22 | ND | | 0.18 | - | | - | ND | |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Diethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Dimethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.1 | 0.32 | | 0.12 | - | | - | 0.2 | | 0.11 | 0.37 | | 0.13 | 0.21 | | 0.11 | - | | - | 0.085 | J |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | ND | | 0.14 | 0.34 | | 0.16 | - | | - | 0.14 | J | 0.15 | 0.42 | | 0.17 | 0.22 | | 0.15 | - | | - | 0.078 | J |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.1 | 0.4 | | 0.12 | - | | - | 0.15 | | 0.11 | 0.6 | | 0.13 | 0.28 | | 0.11 | - | | - | 0.095 | J |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | ND | | 0.1 | 0.16 | | 0.12 | - | | - | 0.067 | J | 0.11 | 0.17 | | 0.13 | 0.1 | J | 0.11 | - | | - | ND | |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | ND | | 0.1 | 0.34 | | 0.12 | - | | - | 0.18 | | 0.11 | 0.48 | | 0.13 | 0.24 | | 0.11 | - | | - | 0.085 | J |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | ND | | 0.16 | - | | - | 0.053 | J | 0.15 | ND | | 0.17 | ND | | 0.15 | - | | - | ND | |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.1 | 0.087 | J | 0.12 | - | | - | 0.22 | | 0.11 | 0.078 | J | 0.13 | 0.08 | J | 0.11 | - | | - | ND | |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.14 | 0.2 | | 0.16 | - | | - | 0.055 | J | 0.15 | 0.29 | | 0.17 | 0.16 | | 0.15 | - | | - | 0.045 | J |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | ND | | 0.18 | 0.025 | J | 0.19 | - | | - | 0.13 | J | 0.19 | 0.028 | J | 0.22 | 0.033 | J | 0.18 | - | | - | ND | |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.1 | 0.31 | | 0.12 | - | | - | 0.58 | | 0.11 | 0.38 | | 0.13 | 0.28 | | 0.11 | - | | - | 0.096 | J |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | ND | | 0.1 | 0.056 | J | 0.12 | - | | - | ND | | 0.11 | 0.065 | J | 0.13 | 0.035 | J | 0.11 | - | | - | ND | |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | ND | | 0.14 | 0.18 | | 0.16 | - | | - | 0.053 | J | 0.15 | 0.32 | | 0.17 | 0.14 | J | 0.15 | - | | - | 0.045 | J |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- |
| | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( |
| | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.1 | 0.61 | | 0.12 | - | | - | 0.34 | | 0.11 | 0.68 | | 0.13 | 0.39 | | 0.11 | - | | - | 0.13 | |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.4 | ND | | 0.44 | - | | - | ND | | 0.43 | ND | | 0.49 | ND | | 0.42 | - | | - | ND | |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.18 | ND | | 0.19 | - | | - | 0.093 | J | 0.19 | ND | | 0.22 | 0.028 | J | 0.18 | - | | - | ND | |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.21 | ND | | 0.23 | - | | - | 0.13 | J | 0.22 | ND | | 0.26 | 0.027 | J | 0.22 | - | | - | ND | |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.1 | ND | | 0.12 | - | | - | ND | | 0.11 | ND | | 0.13 | ND | | 0.11 | - | | - | ND | |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.17 | ND | | 0.19 | ND | | 0.16 | - | | - | ND | |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.38 | ND | | 0.42 | - | | - | ND | | 0.4 | ND | | 0.47 | ND | | 0.4 | - | | - | ND | |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.27 | - | | - | ND | | 0.26 | ND | | 0.3 | ND | | 0.26 | - | | - | ND | |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.84 | ND | | 0.93 | - | | - | ND | | 0.9 | ND | | 1 | ND | | 0.88 | - | | - | ND | |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.46 | ND | | 0.5 | - | | - | ND | | 0.48 | ND | | 0.56 | ND | | 0.48 | - | | - | ND | |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.14 | ND | | 0.16 | - | | - | ND | | 0.15 | ND | | 0.17 | ND | | 0.15 | - | | - | ND | |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.25 | ND | | 0.28 | - | | - | ND | | 0.27 | ND | | 0.31 | ND | | 0.26 | - | | - | ND | |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.18 | 0.039 | J | 0.19 | - | | - | 0.059 | J | 0.19 | 0.057 | J | 0.22 | 0.038 | J | 0.18 | - | | - | ND | |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.16 | - | | - | ND | | 0.15 | ND | | 0.17 | ND | | 0.15 | - | | - | ND | |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.23 | ND | | 0.26 | - | | - | ND | | 0.25 | ND | | 0.28 | ND | | 0.24 | - | | - | ND | |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.19 | ND | | 0.22 | ND | | 0.18 | - | | - | ND | |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.026 | ND | | 0.029 | - | | - | ND | | 0.028 | ND | | 0.032 | ND | | 0.028 | - | | - | ND | |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | - | | - | ND | | 0.209 | - | | - | - | | - | - | |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | - | |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | - | | - | - | | - | ND | | 0.000842 | - | | - | - | | - | - | |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | - | | - | - | | - | ND | | 0.000842 | - | | - | - | | - | - | |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | - | |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( |
| | | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00101 | - | | - | - | | - | |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00379 | - | | - | - | | - | |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.000842 | - | | - | - | | - | |
| Endrin aldehyde | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00252 | - | | - | - | | - | |
| Endrin ketone | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00126 | - | | - | - | | - | |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | - | | - | - | | - | - | | - | - | | - | **0.105** | | 0.00202 | - | | - | - | | - | |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | - | | - | - | | - | - | | - | - | | - | **0.00475** | | 0.00202 | - | | - | - | | - | |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | - | | - | - | | - | - | | - | - | | - | **0.0597** | | 0.00202 | - | | - | - | | - | |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00202 | - | | - | - | | - | |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.000842 | - | | - | - | | - | |
| Methoxychlor | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00379 | - | | - | - | | - | |
| Toxaphene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0379 | - | | - | - | | - | |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00252 | - | | - | - | | - | |
| trans-Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.00252 | - | | - | - | | - | |
| Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0168 | - | | - | - | | - | |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | 0.0423 | J | 0.0613 | - | | - | - | | - | |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | 0.0363 | J | 0.0613 | - | | - | - | | - | |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | ND | | 0.0613 | - | | - | - | | - | |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | 0.0201 | J | 0.0613 | - | | - | - | | - | |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | - | | - | 0.0987 | J | 0.0613 | - | | - | - | | - | |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | | 6280 | | 8.18 | 6370 | | 9.04 | - | | - | 3080 | | 8.76 | 8650 | | 9.58 | 8350 | | 8.6 | - | | - | 6300 | |
| Antimony, Total | NA | NA | NA | NA | NA | | 0.794 | J | 4.09 | ND | | 4.52 | - | | - | ND | | 4.38 | 1.06 | J | 4.79 | 0.597 | J | 4.3 | - | | - | 0.714 | J |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 2.4 | | 0.818 | **22** | | 0.904 | 2.42 | | 0.451 | 2.2 | | 0.876 | 11.2 | | 0.958 | 7.54 | | 0.86 | - | | - | **21** | |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 29.2 | | 0.818 | 136 | | 0.904 | - | | - | 17.8 | | 0.876 | 111 | | 0.958 | 77.6 | | 0.86 | - | | - | 54 | |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.356 | J | 0.409 | 0.363 | J | 0.452 | - | | - | 0.157 | J | 0.438 | 0.509 | | 0.479 | 0.424 | J | 0.43 | - | | - | 0.56 | |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.164 | J | 0.818 | 0.196 | J | 0.904 | - | | - | ND | | 0.876 | 1.16 | | 0.958 | 0.608 | J | 0.86 | - | | - | 0.356 | J |
| Calcium, Total | NA | NA | NA | NA | NA | | 14000 | | 8.18 | 29800 | | 9.04 | - | | - | 120000 | | 87.6 | 64900 | | 9.58 | 28600 | | 8.6 | - | | - | 6150 | |
| Chromium, Total | NA | NA | NA | NA | NA | | 8.6 | | 0.818 | 11.1 | | 0.904 | - | | - | 6.04 | | 0.876 | 20.6 | | 0.958 | 16.4 | | 0.86 | - | | - | 13.2 | |
| Cobalt, Total | NA | NA | NA | NA | NA | | 4.45 | | 1.64 | 5.11 | | 1.81 | - | | - | 3.2 | | 1.75 | 6.42 | | 1.92 | 4.77 | | 1.72 | - | | - | 4.73 | |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | G4-01 | | | H1-01_0-2FT | | | H1-02_2-4FT | | | H2-01-0-2FT | | | H5-00 | | | H5-01 | | | H5-02 | | | I1-01_0- | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/16/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/22/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/21/2( | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 0-2 | | | 2-4 | | | 0-2 | | | 2 | | | 3 | | | 5 | | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | | 10.2 | | 0.818 | 33.9 | | 0.904 | - | | - | 9.56 | | 0.876 | 49.7 | | 0.958 | 30.1 | | 0.86 | - | | - | **140** | |
| Iron, Total | NA | NA | NA | NA | NA | | 12100 | | 4.09 | 13900 | | 4.52 | - | | - | 8260 | | 4.38 | 18700 | | 4.79 | 13800 | | 4.3 | - | | - | 17900 | |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | | 13.1 | | 4.09 | **530** | | 4.52 | 12.4 | | 2.26 | 13.7 | | 4.38 | **291** | | 4.79 | **167** | | 4.3 | 43.8 | | 2.14 | **688** | |
| Magnesium, Total | NA | NA | NA | NA | NA | | 8270 | | 8.18 | 7860 | | 9.04 | - | | - | 64400 | | 8.76 | 11200 | | 9.58 | 10000 | | 8.6 | - | | - | 3410 | |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | | 305 | | 0.818 | 392 | | 0.904 | - | | - | 286 | | 0.876 | 447 | | 0.958 | 311 | | 0.86 | - | | - | 281 | |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | | ND | | 0.069 | **0.62** | | 0.075 | 0.08 | | 0.078 | 0.048 | J | 0.071 | **0.301** | | 0.079 | 0.134 | | 0.072 | - | | - | **0.43** | |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | | 7.37 | | 2.04 | 11.8 | | 2.26 | - | | - | 6.7 | | 2.19 | 17.6 | | 2.39 | 12.8 | | 2.15 | - | | - | 17.4 | |
| Potassium, Total | NA | NA | NA | NA | NA | | 547 | | 204 | 862 | | 226 | - | | - | 729 | | 219 | 1140 | | 239 | 1030 | | 215 | - | | - | 813 | |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | | ND | | 1.64 | 0.383 | J | 1.81 | - | | - | ND | | 1.75 | 0.788 | J | 1.92 | ND | | 1.72 | - | | - | 0.77 | J |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | | ND | | 0.409 | 0.885 | | 0.452 | - | | - | 1.77 | | 0.438 | 0.399 | J | 0.479 | ND | | 0.43 | - | | - | 0.389 | J |
| Sodium, Total | NA | NA | NA | NA | NA | | 56.8 | J | 164 | 478 | | 181 | - | | - | 461 | | 175 | 231 | | 192 | 427 | | 172 | - | | - | 1050 | |
| Thallium, Total | NA | NA | NA | NA | NA | | ND | | 1.64 | ND | | 1.81 | - | | - | ND | | 1.75 | 0.562 | J | 1.92 | 0.587 | J | 1.72 | - | | - | 0.394 | J |
| Vanadium, Total | NA | NA | NA | NA | NA | | 15.1 | | 0.818 | 15.5 | | 0.904 | - | | - | 10 | | 0.876 | 22 | | 0.958 | 20 | | 0.86 | - | | - | 17.6 | |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | | 60.9 | | 4.09 | **149** | | 4.52 | 51.6 | | 2.26 | 48.8 | | 4.38 | **385** | | 4.79 | **233** | | 4.3 | 91.2 | | 2.14 | **372** | |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | | 92.9 | | 0.1 | 85.1 | | 0.1 | 86.8 | | 0.1 | 88.2 | | 0.1 | 79 | | 0.1 | 88.4 | | 0.1 | 91.1 | | 0.1 | 85.8 | |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | | ND | | 1.1 | ND | | 1.1 | - | | - | ND | | 1.1 | ND | | 1.2 | ND | | 1.1 | - | | - | ND | |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | | - | | - | - | | - | - | | - | - | | - | ND | | 1.01 | - | | - | - | | - | - | |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | 2FT | | DUP-D | | I1-02_2-4FT | | I1-03_4-6FT | | I2-00_0-2FT | | I2-01_4-6FT | | I3-01-0-2FT | | I5-01-0-2FT | |
| | | | | | | COLLECTION DATE: | 23 | | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/14/2023 | | 8/14/2023 | |
| | | | | | | SAMPLE DEPTH: | | | 4-Feb | | 2-4 | | 4-6 | | 0-2 | | 4-6 | | 0-2 | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | 0.0043 | ND | | 0.0038 | - | | - | - | | - | ND | | 0.0063 | ND | | 0.0076 | ND | | 0.0052 | ND | | 0.0056 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | 0.0013 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.0019 | ND | | 0.0023 | ND | | 0.0016 | ND | | 0.0017 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Dibromochloromethane | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Bromodichloromethane | NA | NA | NA | NA | NA | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Bromoform | NA | NA | NA | NA | NA | | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Chloromethane | NA | NA | NA | NA | NA | | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| Bromomethane | NA | NA | NA | NA | NA | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Chloroethane | NA | NA | NA | NA | NA | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | 0.0013 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.0019 | ND | | 0.0023 | ND | | 0.0016 | ND | | 0.0017 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | 0.00043 | ND | | 0.00038 | - | | - | - | | - | ND | | 0.00063 | ND | | 0.00076 | ND | | 0.00052 | ND | | 0.00056 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| p/m-Xylene | NA | NA | NA | NA | NA | | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| o-Xylene | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Styrene | NA | NA | NA | NA | NA | | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | 2FT | | DUP-D | | | I1-02_2-4FT | | | I1-03_4-6FT | | | I2-00_0-2FT | | | I2-01_4-6FT | | | I3-01-0-2FT | | | I5-01-0-2FT | | |
| | | | | | COLLECTION DATE: | 023 | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/14/2023 | | |
| | | | | | SAMPLE DEPTH: | | | 4-Feb | | | 2-4 | | | 4-6 | | | 0-2 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| Carbon disulfide | NA | NA | NA | NA | NA | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| 2-Hexanone | NA | NA | NA | NA | NA | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | 0.0026 | ND | | 0.0023 | - | | - | - | | - | ND | | 0.0038 | ND | | 0.0046 | ND | | 0.0031 | ND | | 0.0034 |
| Isopropylbenzene | NA | NA | NA | NA | NA | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | 0.0009 | J | 0.0045 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | 0.00086 | ND | | 0.00076 | - | | - | - | | - | ND | | 0.0013 | ND | | 0.0015 | ND | | 0.001 | ND | | 0.0011 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | ND | | 0.0022 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | 0.0017 | ND | | 0.0015 | - | | - | - | | - | ND | | 0.0025 | ND | | 0.003 | ND | | 0.0021 | 0.00046 | J | 0.0022 |
| Methyl Acetate | NA | NA | NA | NA | NA | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| Cyclohexane | NA | NA | NA | NA | NA | 0.0086 | ND | | 0.0076 | - | | - | - | | - | ND | | 0.013 | ND | | 0.015 | ND | | 0.01 | ND | | 0.011 |
| Freon-113 | NA | NA | NA | NA | NA | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | 0.0034 | ND | | 0.003 | - | | - | - | | - | ND | | 0.0051 | ND | | 0.0061 | ND | | 0.0042 | ND | | 0.0045 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | 0.00037 | 0.000116 | J | 0.000373 | - | | - | - | | - | ND | | 0.000371 | 0.000069 | J | 0.000351 | ND | | 0.000397 | ND | | 0.000399 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | 0.000185 | 0.000113 | J | 0.000186 | - | | - | - | | - | ND | | 0.000186 | 0.000046 | J | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | 0.000185 | 0.000047 | J | 0.000186 | - | | - | - | | - | ND | | 0.000186 | 0.000028 | J | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | 0.000185 | 0.000139 | J | 0.000186 | - | | - | - | | - | 0.000062 | J | 0.000186 | 0.000187 | | 0.000176 | ND | | 0.000198 | 0.000074 | J | 0.000199 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | 0.000185 | 0.000098 | J | 0.000186 | - | | - | - | | - | **0.0018** | | 0.000186 | 0.000701 | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | 2FT | | DUP-D | | I1-02_2-4FT | | | I1-03_4-6FT | | I2-00_0-2FT | | | I2-01_4-6FT | | | I3-01-0-2FT | | | I5-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 23 | | 8/21/2023 | | 8/21/2023 | | | 8/21/2023 | | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/14/2023 | | |
| | | | | | | SAMPLE DEPTH: | | | 4-Feb | | 2-4 | | | 4-6 | | 0-2 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | | | SOIL | | SOIL | | | SOIL | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | 0.000185 | 0.000054 | J | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | 0.000185 | 0.000066 | J | 0.000186 | - | | - | - | | - | 0.000086 | J | 0.000186 | 0.000061 | J | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | 0.00074 | ND | | 0.000745 | - | | - | - | | - | ND | | 0.000743 | ND | | 0.000702 | ND | | 0.000794 | ND | | 0.000797 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | 0.000185 | ND | | 0.000186 | - | | - | - | | - | ND | | 0.000186 | ND | | 0.000176 | ND | | 0.000198 | ND | | 0.000199 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | 0.00185 | ND | | 0.00186 | - | | - | - | | - | ND | | 0.00186 | ND | | 0.00176 | ND | | 0.00198 | ND | | 0.00199 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | 0.00185 | ND | | 0.00186 | - | | - | - | | - | ND | | 0.00186 | ND | | 0.00176 | ND | | 0.00198 | ND | | 0.00199 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | 0.00037 | ND | | 0.000373 | - | | - | - | | - | ND | | 0.000371 | ND | | 0.000351 | ND | | 0.000397 | ND | | 0.000399 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | 0.00037 | ND | | 0.000373 | - | | - | - | | - | ND | | 0.000371 | ND | | 0.000351 | ND | | 0.000397 | ND | | 0.000399 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | 0.00037 | ND | | 0.000373 | - | | - | - | | - | ND | | 0.000371 | ND | | 0.000351 | ND | | 0.000397 | ND | | 0.000399 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | 0.00037 | ND | | 0.000373 | - | | - | - | | - | ND | | 0.000371 | ND | | 0.000351 | ND | | 0.000397 | ND | | 0.000399 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | 0.000925 | ND | | 0.000932 | - | | - | - | | - | ND | | 0.000929 | ND | | 0.000878 | ND | | 0.000992 | ND | | 0.000996 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | 0.00462 | ND | | 0.00466 | - | | - | - | | - | ND | | 0.00464 | ND | | 0.00439 | ND | | 0.00496 | ND | | 0.00498 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | 0.00462 | ND | | 0.00466 | - | | - | - | | - | ND | | 0.00464 | ND | | 0.00439 | ND | | 0.00496 | ND | | 0.00498 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | 2FT | | DUP-D | | | I1-02_2-4FT | | | I1-03_4-6FT | | | I2-00_0-2FT | | | I2-01_4-6FT | | | I3-01-0-2FT | | | I5-01-0-2FT | | |
| | | | | | COLLECTION DATE: | 023 | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/14/2023 | | |
| | | | | | SAMPLE DEPTH: | | | 4-Feb | | | 2-4 | | | 4-6 | | | 0-2 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | 0.12 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | 0.17 | ND | | 0.17 | - | | - | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.12 | 0.029 | J | 0.11 | - | | - | - | | - | 0.052 | J | 0.11 | 0.088 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | 0.23 | ND | | 0.22 | - | | - | - | | - | ND | | 0.22 | ND | | 0.23 | ND | | 0.21 | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | 0.21 | ND | | 0.2 | - | | - | - | | - | ND | | 0.2 | ND | | 0.21 | ND | | 0.19 | ND | | 0.2 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | 0.55 | ND | | 0.53 | - | | - | - | | - | ND | | 0.53 | ND | | 0.55 | ND | | 0.5 | ND | | 0.52 |
| Hexachloroethane | NA | NA | NA | NA | NA | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | 0.17 | ND | | 0.17 | - | | - | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | 0.17 | ND | | 0.17 | - | | - | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.12 | ND | | 0.11 | - | | - | - | | - | 0.03 | J | 0.11 | 0.046 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.12 | ND | | 0.11 | - | | - | - | | - | 0.032 | J | 0.11 | 0.04 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | 0.12 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.12 | ND | | 0.11 | - | | - | - | | - | 0.03 | J | 0.11 | 0.042 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | 0.12 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.12 | 0.033 | J | 0.11 | - | | - | - | | - | 0.029 | J | 0.11 | 0.1 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | 0.12 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | 2FT | | DUP-D | | | I1-02_2-4FT | | | I1-03_4-6FT | | | I2-00_0-2FT | | | I2-01_4-6FT | | | I3-01-0-2FT | | | I5-01-0-2FT | | |
| | | | | | COLLECTION DATE: | 023 | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/14/2023 | | |
| | | | | | SAMPLE DEPTH: | | | 4-Feb | | | 2-4 | | | 4-6 | | | 0-2 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.12 | 0.024 | J | 0.11 | - | | - | - | | - | 0.045 | J | 0.11 | 0.072 | J | 0.11 | ND | | 0.1 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | 0.44 | ND | | 0.42 | - | | - | - | | - | ND | | 0.42 | ND | | 0.44 | ND | | 0.4 | ND | | 0.42 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | 0.23 | ND | | 0.22 | - | | - | - | | - | ND | | 0.22 | ND | | 0.23 | ND | | 0.21 | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | 0.12 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.1 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | 0.17 | ND | | 0.17 | - | | - | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.16 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | 0.41 | ND | | 0.4 | - | | - | - | | - | ND | | 0.4 | ND | | 0.41 | ND | | 0.37 | ND | | 0.39 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | 0.27 | ND | | 0.26 | - | | - | - | | - | ND | | 0.26 | ND | | 0.27 | ND | | 0.24 | ND | | 0.26 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | 0.92 | ND | | 0.9 | - | | - | - | | - | ND | | 0.9 | ND | | 0.92 | ND | | 0.83 | ND | | 0.88 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | 0.5 | ND | | 0.48 | - | | - | - | | - | ND | | 0.48 | ND | | 0.5 | ND | | 0.45 | ND | | 0.47 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | 0.28 | ND | | 0.27 | - | | - | - | | - | ND | | 0.27 | ND | | 0.28 | ND | | 0.25 | ND | | 0.26 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Carbazole | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | 0.15 | ND | | 0.15 | - | | - | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.14 | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | 0.25 | ND | | 0.25 | - | | - | - | | - | ND | | 0.25 | ND | | 0.25 | ND | | 0.23 | ND | | 0.24 |
| Caprolactam | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | 0.19 | ND | | 0.19 | - | | - | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.17 | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | 0.029 | ND | | 0.028 | - | | - | - | | - | ND | | 0.028 | ND | | 0.029 | ND | | 0.026 | ND | | 0.027 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | - | | - | - | | - | - | | - | ND | | 0.186 | ND | | 0.19 | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | - | | - | - | | - | - | | - | ND | | 0.000729 | ND | | 0.000762 | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | - | | - | - | | - | - | | - | ND | | 0.000729 | ND | | 0.000762 | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | 2FT | | DUP-D | | | I1-02_2-4FT | | | I1-03_4-6FT | | | I2-00_0-2FT | | | I2-01_4-6FT | | | I3-01-0-2FT | | | I5-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 23 | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/14/2023 | | |
| | | | | | | SAMPLE DEPTH: | | | 4-Feb | | | 2-4 | | | 4-6 | | | 0-2 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | - | | - | - | | - | - | | - | ND | | 0.000874 | ND | | 0.000915 | - | | - | - | | - | | |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.00328 | ND | | 0.00343 | - | | - | - | | - | | |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | - | | - | - | | - | - | | - | ND | | 0.000729 | ND | | 0.000762 | - | | - | - | | - | | |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.00219 | ND | | 0.00229 | - | | - | - | | - | | |
| Endrin ketone | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | - | | - | - | | - | - | | - | ND | | 0.00109 | ND | | 0.00114 | - | | - | - | | - | | |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | - | | - | - | | - | - | | - | ND | | 0.00175 | ND | | 0.00183 | - | | - | - | | - | | |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | - | | - | - | | - | - | | - | ND | | 0.000729 | ND | | 0.000762 | - | | - | - | | - | | |
| Methoxychlor | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.00328 | ND | | 0.00343 | - | | - | - | | - | | |
| Toxaphene | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.0328 | ND | | 0.0343 | - | | - | - | | - | | |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | - | | - | - | | - | - | | - | ND | | 0.00219 | ND | | 0.00229 | - | | - | - | | - | | |
| trans-Chlordane | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.00219 | ND | | 0.00229 | - | | - | - | | - | | |
| Chlordane | NA | NA | NA | NA | NA | - | - | | - | - | | - | - | | - | ND | | 0.0146 | ND | | 0.0152 | - | | - | - | | - | | |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | - | | - | - | | - | - | | - | ND | | 0.0558 | ND | | 0.0556 | - | | - | - | | - | | |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 9.26 | 3980 | | 8.84 | - | | - | - | | - | 4420 | | 8.77 | 3250 | | 9.01 | 3820 | | 8.19 | 4070 | | 8.54 | | |
| Antimony, Total | NA | NA | NA | NA | NA | 4.63 | ND | | 4.42 | - | | - | - | | - | ND | | 4.38 | ND | | 4.5 | ND | | 4.09 | ND | | 4.27 | | |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 0.926 | 2.98 | | 0.884 | 3.29 | | 0.411 | - | | - | 4.04 | | 0.877 | 2.31 | | 0.901 | 2.13 | | 0.819 | 1.73 | | 0.854 | | |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 0.926 | 32.4 | | 0.884 | - | | - | - | | - | 69 | | 0.877 | 18.2 | | 0.901 | 14 | | 0.819 | 16.6 | | 0.854 | | |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.463 | 0.224 | J | 0.442 | - | | - | - | | - | 0.255 | J | 0.438 | 0.168 | J | 0.45 | 0.171 | J | 0.409 | 0.18 | J | 0.427 | | |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.926 | 0.18 | J | 0.884 | - | | - | - | | - | 0.276 | J | 0.877 | ND | | 0.901 | 0.094 | J | 0.819 | ND | | 0.854 | | |
| Calcium, Total | NA | NA | NA | NA | NA | 9.26 | 17500 | | 8.84 | - | | - | - | | - | 17000 | | 8.77 | 35100 | | 9.01 | 62900 | | 8.19 | 6600 | | 8.54 | | |
| Chromium, Total | NA | NA | NA | NA | NA | 0.926 | 5.67 | | 0.884 | - | | - | - | | - | 6.89 | | 0.877 | 4.83 | | 0.901 | 5.35 | | 0.819 | 5.93 | | 0.854 | | |
| Cobalt, Total | NA | NA | NA | NA | NA | 1.85 | 2.37 | | 1.77 | - | | - | - | | - | 3.15 | | 1.75 | 2.5 | | 1.8 | 2.83 | | 1.64 | 2.88 | | 1.71 | | |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | 2FT | DUP-D | | I1-02_2-4FT | | I1-03_4-6FT | | I2-00_0-2FT | | I2-01_4-6FT | | I3-01-0-2FT | | I5-01-0-2FT | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 23 | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/21/2023 | | 8/14/2023 | | 8/14/2023 | |
| | | | | | | SAMPLE DEPTH: | | 4-Feb | | 2-4 | | 4-6 | | 0-2 | | 4-6 | | 0-2 | | 0-2 | |
| | | | | | | SAMPLE MATRIX: | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | RL | Result | Flg | RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL | Result | Flg RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 0.926 | 10.2 | | 0.884 | 12.2 | 0.411 | - | - | 18.2 | 0.877 | 8.26 | 0.901 | 10.3 | 0.819 | 8.75 | 0.854 |
| Iron, Total | NA | NA | NA | NA | NA | 4.63 | 7940 | | 4.42 | - | - | - | - | 9030 | 4.38 | 6760 | 4.5 | 7560 | 4.09 | 8830 | 4.27 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 4.63 | **78.7** | | 4.42 | **107** | 2.06 | 5.6 | 2.1 | **184** | 4.38 | 34 | 4.5 | 18.4 | 4.09 | 11.7 | 4.27 |
| Magnesium, Total | NA | NA | NA | NA | NA | 9.26 | 7560 | | 8.84 | - | - | - | - | 6780 | 8.77 | 18500 | 9.01 | 35000 | 8.19 | 4090 | 8.54 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 0.926 | 183 | | 0.884 | - | - | - | - | 124 | 0.877 | 209 | 0.901 | 351 | 0.819 | 248 | 0.854 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.078 | **0.343** | | 0.072 | **0.288** | 0.068 | 0.051 | J 0.07 | **0.328** | 0.073 | 0.128 | 0.076 | 0.15 | 0.068 | ND | 0.071 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 2.31 | 5.31 | | 2.21 | - | - | - | - | 7.65 | 2.19 | 5.36 | 2.25 | 6.34 | 2.05 | 6.16 | 2.13 |
| Potassium, Total | NA | NA | NA | NA | NA | 231 | 413 | | 221 | - | - | - | - | 547 | 219 | 431 | 225 | 631 | 205 | 450 | 213 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | 1.85 | 0.278 | J | 1.77 | - | - | - | - | ND | 1.75 | ND | 1.8 | ND | 1.64 | ND | 1.71 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | 0.463 | ND | | 0.442 | - | - | - | - | ND | 0.438 | ND | 0.45 | 0.728 | 0.409 | ND | 0.427 |
| Sodium, Total | NA | NA | NA | NA | NA | 185 | 535 | | 177 | - | - | - | - | 330 | 175 | 271 | 180 | 124 | J 164 | 55.9 | J 171 |
| Thallium, Total | NA | NA | NA | NA | NA | 1.85 | ND | | 1.77 | - | - | - | - | 0.324 | J 1.75 | 0.344 | J 1.8 | 0.731 | J 1.64 | 0.626 | J 1.71 |
| Vanadium, Total | NA | NA | NA | NA | NA | 0.926 | 10.4 | | 0.884 | - | - | - | - | 13.3 | 0.877 | 7.88 | 0.901 | 8.84 | 0.819 | 11.9 | 0.854 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 4.63 | 107 | | 4.42 | **136** | 2.06 | 24.2 | 2.1 | **118** | 4.38 | 52.1 | 4.5 | 56.2 | 4.09 | 78.9 | 4.27 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 0.1 | 87.4 | | 0.1 | 94.3 | 0.1 | 89.5 | 0.1 | 87.4 | 0.1 | 85.9 | 0.1 | 96 | 0.1 | 90.4 | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | 1.1 | ND | | 1.1 | - | - | - | - | ND | 1.1 | ND | 1.2 | ND | 0.96 | ND | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | - | | - | - | - | - | - | ND | 0.915 | ND | 0.931 | - | - | - | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | I5-01 | |
| | | | | | | COLLECTION DATE: | 8/18/2023 | |
| | | | | | | SAMPLE DEPTH: | 0-2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL |
| **VOCs** | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.007 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0014 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0021 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0014 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0014 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0014 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0014 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.0007 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0007 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0056 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0014 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.0007 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.0007 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0014 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0007 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0056 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.0007 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.0007 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0014 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | 0.00031 | J | 0.0014 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0056 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0028 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0014 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0028 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0014 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0021 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.0007 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0028 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0028 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0028 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0028 |
| p/m-Xylene | NA | NA | NA | NA | NA | 0.0013 | J | 0.0028 |
| o-Xylene | NA | NA | NA | NA | NA | 0.00064 | J | 0.0014 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0014 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0014 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.014 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **I5-01** | |
| | | | | | | **COLLECTION DATE:** | **8/18/2023** | |
| | | | | | | **SAMPLE DEPTH:** | **0-2** | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.014 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.014 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.014 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.014 |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.014 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0014 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0014 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0014 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0028 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0042 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0014 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0014 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0056 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0014 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0028 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0028 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0028 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0056 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.014 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0056 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0056 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.0004 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | 0.000048 | JF | 0.0002 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | 0.000048 | J | 0.0002 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | 0.000264 | | 0.0002 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | **0.00125** | | 0.0002 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | 0.000112 | J | 0.0002 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | | I5-01 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | | 8/18/2023 |
| | | | | | | SAMPLE DEPTH: | | 0-2 |
| | | | | | | SAMPLE MATRIX: | | SOIL |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | 0.000072 | J | 0.0002 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | 0.000056 | J | 0.0002 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000799 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.002 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.0004 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.0004 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.0004 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.0004 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000999 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.005 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.005 |
| **SVOCs** | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.17 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **I5-01** | |
| | | | | | | **COLLECTION DATE:** | **8/18/2023** | |
| | | | | | | **SAMPLE DEPTH:** | **0-2** | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.13 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.2 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.22 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.22 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.095 | J | 0.13 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.22 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.22 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.26 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.23 |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.22 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.62 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.17 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.2 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.22 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.2 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.17 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.22 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.22 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | 0.052 | J | 0.13 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.17 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | 0.061 | J | 0.13 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.13 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | 0.048 | J | 0.13 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.17 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.13 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 0.036 | J | 0.17 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.22 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 0.047 | J | 0.13 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.13 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | 0.033 | J | 0.17 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **I5-01** | |
| | | | | | | **COLLECTION DATE:** | **8/18/2023** | |
| | | | | | | **SAMPLE DEPTH:** | **0-2** | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.078 | J | 0.13 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.49 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.22 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.22 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.22 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.22 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.26 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.22 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.13 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.2 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.47 |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.3 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 1 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.56 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.17 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.22 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.22 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.31 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.22 |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.22 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.17 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.29 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.22 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.22 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.032 |
| **HERBICIDES** | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.181 |
| **PESTICIDES** | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.00172 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000718 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000718 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.00172 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **I5-01** | |
| | | | | | | **COLLECTION DATE:** | **8/18/2023** | |
| | | | | | | **SAMPLE DEPTH:** | **0-2** | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | ND | | 0.000861 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | ND | | 0.00172 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | ND | | 0.00323 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | ND | | 0.000718 |
| Endrin aldehyde | NA | NA | NA | NA | NA | ND | | 0.00215 |
| Endrin ketone | NA | NA | NA | NA | NA | ND | | 0.00172 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | ND | | 0.00108 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | 0.00253 | | 0.00172 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | ND | | 0.00172 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | **0.004** | | 0.00172 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00172 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00172 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.000718 |
| Methoxychlor | NA | NA | NA | NA | NA | ND | | 0.00323 |
| Toxaphene | NA | NA | NA | NA | NA | ND | | 0.0323 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | ND | | 0.00215 |
| trans-Chlordane | NA | NA | NA | NA | NA | 0.000957 | J | 0.00215 |
| Chlordane | NA | NA | NA | NA | NA | ND | | 0.0144 |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0526 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | 0.0067 | J | 0.0526 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | 0.0067 | J | 0.0526 |
| **METALS** | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 6600 | | 8.58 |
| Antimony, Total | NA | NA | NA | NA | NA | ND | | 4.29 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 3.41 | | 0.858 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 39.5 | | 0.858 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.292 | J | 0.429 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.292 | J | 0.858 |
| Calcium, Total | NA | NA | NA | NA | NA | 6030 | | 8.58 |
| Chromium, Total | NA | NA | NA | NA | NA | 9.82 | | 0.858 |
| Cobalt, Total | NA | NA | NA | NA | NA | 3.56 | | 1.72 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | **SAMPLE ID:** | **I5-01** | | |
| | | | | | **COLLECTION DATE:** | **8/18/2023** | | |
| | | | | | **SAMPLE DEPTH:** | **0-2** | | |
| | | | | | **SAMPLE MATRIX:** | **SOIL** | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 17.6 | | 0.858 |
| Iron, Total | NA | NA | NA | NA | NA | 9240 | | 4.29 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | **83.1** | | 4.29 |
| Magnesium, Total | NA | NA | NA | NA | NA | 3350 | | 8.58 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 113 | | 0.858 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | 0.121 | | 0.069 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 8.33 | | 2.14 |
| Potassium, Total | NA | NA | NA | NA | NA | 540 | | 214 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.72 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.429 |
| Sodium, Total | NA | NA | NA | NA | NA | 87.4 | J | 172 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.72 |
| Vanadium, Total | NA | NA | NA | NA | NA | 13.4 | | 0.858 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 101 | | 4.29 |
| **GENERAL CHEMISTRY** | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 91.3 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | ND | | 0.876 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | - | | - | ND | | 0.0052 | ND | | 0.0059 | ND | | 0.0048 | ND | | 0.0046 | - | | - | ND | | 0.0064 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | - | | - | ND | | 0.0016 | ND | | 0.0018 | ND | | 0.0014 | ND | | 0.0014 | - | | - | ND | | 0.0019 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Dibromochloromethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Bromodichloromethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Bromoform | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | - | | - | 0.0002 | J | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Chloromethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| Bromomethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Chloroethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.0016 | ND | | 0.0018 | ND | | 0.0014 | ND | | 0.0014 | - | | - | ND | | 0.0019 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | - | | - | ND | | 0.00052 | ND | | 0.00059 | ND | | 0.00048 | ND | | 0.00046 | - | | - | ND | | 0.00064 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| p/m-Xylene | NA | NA | NA | NA | NA | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| o-Xylene | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Styrene | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| Carbon disulfide | NA | NA | NA | NA | NA | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0031 | ND | | 0.0035 | ND | | 0.0029 | ND | | 0.0028 | - | | - | ND | | 0.0039 |
| Isopropylbenzene | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.001 | ND | | 0.0012 | ND | | 0.00096 | ND | | 0.00092 | - | | - | ND | | 0.0013 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | | 0.0026 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | J | 0.0026 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | - | | - | ND | | 0.0021 | ND | | 0.0023 | ND | | 0.0019 | ND | | 0.0018 | - | | - | ND | J | 0.0026 |
| Methyl Acetate | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| Cyclohexane | NA | NA | NA | NA | NA | - | | - | ND | | 0.01 | ND | | 0.012 | ND | | 0.0096 | ND | | 0.0092 | - | | - | ND | | 0.013 |
| Freon-113 | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | | 0.0052 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | - | | - | ND | | 0.0042 | ND | | 0.0047 | ND | | 0.0039 | ND | | 0.0037 | - | | - | ND | J | 0.0052 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000399 | 0.000072 | J | 0.000354 | 0.000071 | J | 0.000374 | 0.000132 | J | 0.000373 | - | | - | 0.000147 | J | 0.000363 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | 0.000069 | J | 0.000177 | 0.000061 | J | 0.000187 | 0.000227 | | 0.000186 | - | | - | 0.000212 | | 0.000182 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | 0.000044 | J | 0.000177 | 0.000037 | J | 0.000187 | 0.000101 | J | 0.000186 | - | | - | 0.00014 | J | 0.000182 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | - | | - | ND | | 0.000199 | 0.000067 | J | 0.000177 | 0.000211 | | 0.000187 | 0.000069 | JF | 0.000186 | - | | - | 0.00024 | | 0.000182 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | 0.000232 | | 0.000182 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | - | | - | ND | | 0.000199 | 0.000486 | | 0.000177 | 0.000393 | | 0.000187 | ND | | 0.000186 | - | | - | **0.0132** | | 0.000182 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | 0.000087 | J | 0.000182 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | 0.000123 | J | 0.000187 | 0.000076 | JF | 0.000186 | - | | - | 0.000049 | JF | 0.000182 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | 0.000099 | J | 0.000182 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000798 | ND | | 0.000707 | ND | | 0.000748 | ND | | 0.000746 | - | | - | ND | | 0.000727 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000199 | ND | | 0.000177 | ND | | 0.000187 | ND | | 0.000186 | - | | - | ND | | 0.000182 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | - | | - | ND | | 0.00199 | ND | | 0.00177 | ND | | 0.00187 | ND | | 0.00186 | - | | - | ND | | 0.00182 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | - | | - | ND | | 0.00199 | ND | | 0.00177 | ND | | 0.00187 | ND | | 0.00186 | - | | - | ND | | 0.00182 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000399 | ND | | 0.000354 | ND | | 0.000374 | ND | | 0.000373 | - | | - | ND | | 0.000363 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000399 | ND | | 0.000354 | ND | | 0.000374 | ND | | 0.000373 | - | | - | ND | | 0.000363 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000399 | ND | | 0.000354 | ND | | 0.000374 | ND | | 0.000373 | - | | - | ND | | 0.000363 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000399 | ND | | 0.000354 | ND | | 0.000374 | ND | | 0.000373 | - | | - | ND | | 0.000363 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.000997 | ND | | 0.000884 | ND | | 0.000935 | ND | | 0.000933 | - | | - | ND | | 0.000909 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.00499 | ND | | 0.00442 | ND | | 0.00467 | ND | | 0.00466 | - | | - | ND | | 0.00454 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | - | | - | ND | | 0.00499 | ND | | 0.00442 | ND | | 0.00467 | ND | | 0.00466 | - | | - | ND | | 0.00454 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.15 | 0.057 | J | 0.15 | 0.2 | | 0.16 | 0.21 | | 0.15 | - | | - | 0.086 | J | 0.16 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.12 | ND | | 0.11 | - | | - | ND | | 0.12 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | ND | | 0.17 | - | | - | ND | | 0.18 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.11 | 0.66 | | 0.11 | 1.9 | | 0.12 | 1.4 | | 0.11 | - | | - | 0.73 | | 0.12 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | - | | - | ND | | 0.23 | ND | | 0.23 | ND | | 0.24 | ND | | 0.22 | - | | - | ND | | 0.24 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | - | | - | ND | | 0.2 | ND | | 0.2 | ND | | 0.22 | ND | | 0.2 | - | | - | ND | | 0.21 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | - | | - | ND | | 0.54 | ND | | 0.54 | ND | | 0.57 | ND | | 0.53 | - | | - | ND | | 0.56 |
| Hexachloroethane | NA | NA | NA | NA | NA | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.16 | ND | | 0.15 | - | | - | ND | | 0.16 |
| Isophorone | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | ND | | 0.17 | - | | - | ND | | 0.18 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.19 | ND | | 0.19 | 0.11 | J | 0.2 | 0.16 | J | 0.18 | - | | - | ND | | 0.2 |
| Nitrobenzene | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | ND | | 0.17 | - | | - | ND | | 0.18 |
| NDPA/DPA | NA | NA | NA | NA | NA | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.16 | ND | | 0.15 | - | | - | ND | | 0.16 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Diethyl phthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | - | | - | ND | | 0.11 | 0.31 | | 0.11 | **1.1** | | 0.12 | 0.62 | | 0.11 | 0.027 | J | 0.11 | 0.29 | | 0.12 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | - | | - | ND | | 0.15 | 0.27 | | 0.15 | 0.93 | | 0.16 | 0.54 | | 0.15 | - | | - | 0.28 | | 0.16 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | - | | - | ND | | 0.11 | 0.31 | | 0.11 | **1** | | 0.12 | 0.59 | | 0.11 | ND | | 0.11 | 0.32 | | 0.12 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | - | | - | ND | | 0.11 | 0.11 | | 0.11 | 0.38 | | 0.12 | 0.23 | | 0.11 | - | | - | 0.12 | | 0.12 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | - | | - | ND | | 0.11 | 0.28 | | 0.11 | **1** | | 0.12 | 0.57 | | 0.11 | 0.023 | J | 0.11 | 0.28 | | 0.12 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.15 | ND | | 0.15 | 0.2 | | 0.16 | 0.064 | J | 0.15 | - | | - | ND | | 0.16 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.11 | 0.16 | | 0.11 | 0.64 | | 0.12 | 0.45 | | 0.11 | - | | - | 0.14 | | 0.12 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.15 | 0.11 | J | 0.15 | 0.41 | | 0.16 | 0.2 | | 0.15 | - | | - | 0.16 | | 0.16 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.19 | 0.042 | J | 0.19 | 0.23 | | 0.2 | 0.21 | | 0.18 | - | | - | 0.06 | J | 0.2 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.11 | 0.55 | | 0.11 | 1.8 | | 0.12 | 1.5 | | 0.11 | - | | - | 0.63 | | 0.12 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | - | | - | ND | | 0.11 | 0.034 | J | 0.11 | 0.13 | | 0.12 | 0.064 | J | 0.11 | - | | - | 0.036 | J | 0.12 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | - | | - | ND | | 0.15 | 0.14 | J | 0.15 | 0.48 | | 0.16 | 0.25 | | 0.15 | - | | - | 0.17 | | 0.16 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.11 | 0.54 | | 0.11 | 1.6 | | 0.12 | 1.2 | | 0.11 | - | | - | 0.59 | | 0.12 |
| Biphenyl | NA | NA | NA | NA | NA | - | | - | ND | | 0.43 | ND | | 0.43 | ND | | 0.46 | 0.025 | J | 0.42 | - | | - | ND | | 0.45 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | - | | - | ND | | 0.19 | 0.024 | J | 0.19 | 0.14 | J | 0.2 | 0.16 | J | 0.18 | - | | - | 0.025 | J | 0.2 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | - | | - | ND | | 0.23 | ND | | 0.23 | 0.075 | J | 0.24 | 0.095 | J | 0.22 | - | | - | ND | | 0.24 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Acetophenone | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.11 | ND | | 0.11 | ND | | 0.12 | ND | | 0.11 | - | | - | ND | | 0.12 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.17 | ND | | 0.17 | ND | | 0.18 | ND | | 0.17 | - | | - | ND | | 0.18 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.41 | ND | | 0.41 | ND | | 0.43 | ND | | 0.4 | - | | - | ND | | 0.42 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.26 | ND | | 0.27 | ND | | 0.28 | ND | | 0.26 | - | | - | ND | | 0.28 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.91 | ND | | 0.91 | ND | | 0.96 | ND | | 0.89 | - | | - | ND | | 0.94 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | - | | - | ND | | 0.49 | ND | | 0.5 | ND | | 0.52 | ND | | 0.48 | - | | - | ND | | 0.51 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.16 | ND | | 0.15 | - | | - | ND | | 0.16 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | - | | - | ND | | 0.27 | ND | | 0.27 | 0.044 | J | 0.29 | ND | | 0.26 | - | | - | ND | | 0.28 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| Benzoic Acid | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Benzyl Alcohol | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Carbazole | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | 0.035 | J | 0.19 | 0.16 | J | 0.2 | 0.15 | J | 0.18 | - | | - | 0.081 | J | 0.2 |
| Atrazine | NA | NA | NA | NA | NA | - | | - | ND | | 0.15 | ND | | 0.15 | ND | | 0.16 | ND | | 0.15 | - | | - | ND | | 0.16 |
| Benzaldehyde | NA | NA | NA | NA | NA | - | | - | ND | | 0.25 | ND | | 0.25 | ND | | 0.26 | ND | | 0.24 | - | | - | ND | | 0.26 |
| Caprolactam | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | - | | - | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | ND | | 0.18 | - | | - | ND | | 0.2 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | - | | - | ND | | 0.028 | ND | | 0.028 | ND | | 0.03 | ND | | 0.028 | - | | - | ND | | 0.03 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.193 | ND | | 0.204 | ND | | 0.184 | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | ND | | 0.000754 | ND | | 0.000805 | ND | | 0.00071 | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | ND | | 0.000754 | ND | | 0.000805 | ND | | 0.00071 | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - | - | | - | ND | | 0.000905 | ND | | 0.000966 | ND | | 0.000851 | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00339 | ND | | 0.00362 | ND | | 0.00319 | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - | - | | - | ND | | 0.000754 | ND | | 0.000805 | ND | | 0.00071 | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00226 | ND | | 0.00242 | ND | | 0.00213 | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - | - | | - | ND | | 0.00113 | ND | | 0.00121 | ND | | 0.00106 | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | ND | | 0.00191 | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.00181 | ND | | 0.00193 | ND | | 0.0017 | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | ND | | 0.000754 | ND | | 0.000805 | ND | | 0.00071 | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00339 | ND | | 0.00362 | ND | | 0.00319 | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0339 | ND | | 0.0362 | ND | | 0.0319 | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - | - | | - | ND | | 0.00226 | ND | | 0.00242 | ND | | 0.00213 | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00226 | ND | | 0.00242 | ND | | 0.00213 | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.0151 | ND | | 0.0161 | ND | | 0.0142 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | I5-02 | | | I5-04 | | | J1-00-0-2FT | | | J1-01-2-4FT | | | J-DUP-A | | | J1-02-4-6FT | | | J2-01_ 0-2FT | | |
| | | | | | COLLECTION DATE: | 8/18/2023 | | | 8/18/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 4 | | | 15 | | | 0-2 | | | 2-4 | | | 4-6 | | | 4-6 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.0567 | ND | | 0.058 | ND | | 0.0541 | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | - | | - | 2150 | | 9 | 3240 | | 9.17 | 3700 | | 9.61 | 4580 | | 8.73 | - | | - | 5490 | | 9.46 |
| Antimony, Total | NA | NA | NA | NA | NA | - | | - | ND | | 4.5 | 1.21 | J | 4.59 | ND | | 4.81 | ND | | 4.36 | - | | - | ND | | 4.73 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | - | | - | 1.54 | | 0.9 | 4.91 | | 0.917 | 3.6 | | 0.961 | 1.66 | | 0.873 | - | | - | 2.87 | | 0.946 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | - | | - | 10.5 | | 0.9 | 32.2 | | 0.917 | 25.7 | | 0.961 | 41.6 | | 0.873 | - | | - | 42.8 | | 0.946 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | - | | - | 0.104 | J | 0.45 | 0.189 | J | 0.459 | 0.188 | J | 0.481 | 0.211 | J | 0.436 | - | | - | 0.283 | J | 0.473 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | - | | - | 0.149 | J | 0.9 | 0.199 | J | 0.917 | ND | | 0.961 | 0.113 | J | 0.873 | - | | - | 0.162 | J | 0.946 |
| Calcium, Total | NA | NA | NA | NA | NA | - | | - | 52600 | | 9 | 40800 | | 9.17 | 61100 | | 9.61 | 5340 | | 8.73 | - | | - | 19700 | | 9.46 |
| Chromium, Total | NA | NA | NA | NA | NA | - | | - | 13.1 | | 0.9 | 5.42 | | 0.917 | 5.93 | | 0.961 | 5.26 | | 0.873 | - | | - | 6.76 | | 0.946 |
| Cobalt, Total | NA | NA | NA | NA | NA | - | | - | 2.15 | | 1.8 | 3.15 | | 1.83 | 3.62 | | 1.92 | 2.41 | | 1.75 | - | | - | 2.88 | | 1.89 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | - | | - | 10.4 | | 0.9 | 14.6 | | 0.917 | 10.5 | | 0.961 | 6.96 | | 0.873 | - | | - | 10.5 | | 0.946 |
| Iron, Total | NA | NA | NA | NA | NA | - | | - | 7640 | | 4.5 | 8030 | | 4.59 | 8290 | | 4.81 | 7540 | | 4.36 | - | | - | 9830 | | 4.73 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 12.6 | | 2.35 | 8.26 | | 4.5 | **175** | | 4.59 | 56.2 | | 4.81 | 24.6 | | 4.36 | - | | - | **63.2** | | 4.73 |
| Magnesium, Total | NA | NA | NA | NA | NA | - | | - | 24400 | | 9 | 20500 | | 9.17 | 12300 | | 9.61 | 2800 | | 8.73 | - | | - | 10600 | | 9.46 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | - | | - | 239 | | 0.9 | 267 | | 0.917 | 210 | | 0.961 | 302 | | 0.873 | - | | - | 299 | | 0.946 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | - | | - | ND | | 0.075 | **0.552** | | 0.082 | **0.328** | | 0.082 | 0.098 | | 0.074 | 0.179 | | 0.071 | **0.588** | | 0.084 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | - | | - | 5.18 | | 2.25 | 6.16 | | 2.29 | 8.36 | | 2.4 | 4.98 | | 2.18 | - | | - | 6.16 | | 2.36 |
| Potassium, Total | NA | NA | NA | NA | NA | - | | - | 370 | | 225 | 457 | | 229 | 515 | | 240 | 318 | | 218 | - | | - | 511 | | 236 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | - | | - | ND | | 1.8 | ND | | 1.83 | ND | | 1.92 | ND | | 1.75 | - | | - | ND | | 1.89 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | - | | - | ND | | 0.45 | ND | | 0.459 | ND | | 0.481 | ND | | 0.436 | - | | - | ND | | 0.473 |
| Sodium, Total | NA | NA | NA | NA | NA | - | | - | 165 | J | 180 | 241 | | 183 | 252 | | 192 | 311 | | 175 | - | | - | 640 | | 189 |
| Thallium, Total | NA | NA | NA | NA | NA | - | | - | ND | | 1.8 | ND | | 1.83 | 0.365 | J | 1.92 | ND | | 1.75 | - | | - | ND | | 1.89 |
| Vanadium, Total | NA | NA | NA | NA | NA | - | | - | 8.7 | | 0.9 | 9.5 | | 0.917 | 9.89 | | 0.961 | 9 | | 0.873 | - | | - | 12.3 | | 0.946 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | - | | - | 65.1 | | 4.5 | **110** | | 4.59 | 59.7 | | 4.81 | 49.5 | | 4.36 | - | | - | 62 | | 4.73 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 82.8 | | 0.1 | 86 | | 0.1 | 84.9 | | 0.1 | 81.4 | | 0.1 | 89.2 | | 0.1 | 90.2 | | 0.1 | 84.4 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | - | | - | ND | | 1.1 | ND | | 1.1 | ND | | 1.2 | ND | | 1 | - | | - | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | - | | - | ND | | 0.942 | ND | | 0.983 | ND | | 0.897 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.0031 | ND | | 0.0057 | - | - | - | - | - | | ND | | 0.0043 | ND | | 0.0049 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | | - | - | - | - | - | | ND | | 0.00092 | ND | | 0.0017 | - | - | - | - | - | | ND | | 0.0013 | ND | | 0.0015 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Dibromochloromethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0025 | ND | | 0.0046 | - | - | - | - | - | | ND | | 0.0034 | ND | | 0.0039 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Bromodichloromethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Bromoform | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0025 | ND | | 0.0046 | - | - | - | - | - | | ND | | 0.0034 | ND | | 0.0039 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Chloromethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0025 | ND | | 0.0046 | - | - | - | - | - | | ND | | 0.0034 | ND | | 0.0039 |
| Bromomethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Chloroethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00092 | ND | | 0.0017 | - | - | - | - | - | | ND | | 0.0013 | ND | | 0.0015 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | | - | - | - | - | - | | ND | | 0.00031 | ND | | 0.00057 | - | - | - | - | - | | ND | | 0.00043 | ND | | 0.00049 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| p/m-Xylene | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0012 | ND | | 0.0023 | - | - | - | - | - | | ND | | 0.0017 | ND | | 0.002 |
| o-Xylene | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Styrene | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.00062 | ND | | 0.0011 | - | - | - | - | - | | ND | | 0.00086 | ND | | 0.00098 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0062 | ND | | 0.011 | - | - | - | - | - | | ND | | 0.0086 | ND | | 0.0098 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.0062 | ND | | 0.011 | - | - | - | - | - | | ND | | 0.0086 | ND | | 0.0098 |
| Carbon disulfide | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0062 | ND | | 0.011 | - | - | - | - | - | | ND | | 0.0086 | ND | | 0.0098 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | | - | - | - | - | - | | ND | | 0.0062 | ND | | 0.011 | - | - | - | - | - | | ND | | 0.0086 | ND | | 0.0098 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | | - | - | - | - | - | | ND | | 0.0062 | ND | | 0.011 | - | - | - | - | - | | ND | | 0.0086 | ND | | 0.0098 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0062 | ND | | 0.011 | - | | - | - | | - | ND | | 0.0086 | ND | | 0.0098 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.0012 | ND | | 0.0023 | - | | - | - | | - | ND | | 0.0017 | ND | | 0.002 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0018 | ND | | 0.0034 | - | | - | - | | - | ND | | 0.0026 | ND | | 0.0029 |
| Isopropylbenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.0025 | ND | | 0.0046 | - | | - | - | | - | ND | | 0.0034 | ND | | 0.0039 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.00062 | ND | | 0.0011 | - | | - | - | | - | ND | | 0.00086 | ND | | 0.00098 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0012 | ND | | 0.0023 | - | | - | - | | - | ND | | 0.0017 | ND | | 0.002 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | | - | | - | - | | - | ND | | 0.0012 | ND | | 0.0023 | - | | - | - | | - | ND | | 0.0017 | ND | | 0.002 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | | - | | - | - | | - | ND | | 0.0012 | ND | | 0.0023 | - | | - | - | | - | ND | | 0.0017 | ND | | 0.002 |
| Methyl Acetate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0025 | ND | | 0.0046 | - | | - | - | | - | ND | | 0.0034 | ND | | 0.0039 |
| Cyclohexane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0062 | ND | | 0.011 | - | | - | - | | - | ND | | 0.0086 | ND | | 0.0098 |
| Freon-113 | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0025 | ND | | 0.0046 | - | | - | - | | - | ND | | 0.0034 | ND | | 0.0039 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0025 | ND | | 0.0046 | - | | - | - | | - | ND | | 0.0034 | ND | | 0.0039 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | 0.000055 | J | 0.000784 | ND | | 0.000789 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000391 | ND | | 0.000391 | - | | - | - | | - | 0.000094 | J | 0.000392 | ND | | 0.000395 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | 0.000071 | J | 0.000196 | 0.000056 | J | 0.000197 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | 0.000094 | J | 0.000196 | ND | | 0.000197 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | 0.000063 | J | 0.000196 | ND | | 0.000197 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | | - | | - | - | | - | ND | | 0.000195 | 0.000086 | J | 0.000195 | - | | - | - | | - | 0.000337 | | 0.000196 | 0.000101 | J | 0.000197 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | | - | | - | - | | - | ND | | 0.000195 | 0.000133 | J | 0.000195 | - | | - | - | | - | 0.000768 | | 0.000196 | 0.000604 | | 0.000197 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | 0.00011 | J | 0.000197 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | 0.000094 | J | 0.000197 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000782 | ND | | 0.000782 | - | | - | - | | - | ND | | 0.000784 | ND | | 0.000789 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000195 | ND | | 0.000195 | - | | - | - | | - | ND | | 0.000196 | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00195 | ND | | 0.00195 | - | | - | - | | - | ND | | 0.00196 | ND | | 0.00197 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00195 | ND | | 0.00195 | - | | - | - | | - | ND | | 0.00196 | ND | | 0.00197 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000391 | ND | | 0.000391 | - | | - | - | | - | ND | | 0.000392 | ND | | 0.000395 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000391 | ND | | 0.000391 | - | | - | - | | - | ND | | 0.000392 | ND | | 0.000395 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000391 | ND | | 0.000391 | - | | - | - | | - | ND | | 0.000392 | ND | | 0.000395 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000391 | ND | | 0.000391 | - | | - | - | | - | ND | | 0.000392 | ND | | 0.000395 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.000977 | ND | | 0.000977 | - | | - | - | | - | ND | | 0.00098 | ND | | 0.000987 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00488 | ND | | 0.00489 | - | | - | - | | - | ND | | 0.0049 | ND | | 0.00493 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.00488 | ND | | 0.00489 | - | | - | - | | - | ND | | 0.0049 | ND | | 0.00493 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | 0.071 | J | 0.14 | ND | | 0.15 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | - | | - | - | | - | ND | | 0.1 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | - | | - | - | | - | ND | | 0.1 | 0.13 | | 0.11 | - | | - | - | | - | 0.78 | | 0.11 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.21 | ND | | 0.22 | - | | - | - | | - | ND | | 0.21 | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 0.19 | ND | | 0.2 | - | | - | - | | - | ND | | 0.19 | ND | | 0.2 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.5 | ND | | 0.53 | - | | - | - | | - | ND | | 0.5 | ND | | 0.53 |
| Hexachloroethane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 |
| Isophorone | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 |
| NDPA/DPA | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | - | | - | - | | - | ND | | 0.1 | 0.057 | J | 0.11 | - | | - | - | | - | 0.27 | | 0.11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | - | | - | - | | - | ND | | 0.14 | 0.055 | J | 0.15 | - | | - | - | | - | 0.29 | | 0.14 | ND | | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | - | | - | - | | - | ND | | 0.1 | 0.065 | J | 0.11 | - | | - | - | | - | 0.35 | | 0.11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | - | | - | - | | - | ND | | 0.1 | ND | | 0.11 | - | | - | - | | - | 0.094 | J | 0.11 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | - | | - | - | | - | ND | | 0.1 | 0.052 | J | 0.11 | - | | - | - | | - | 0.27 | | 0.11 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.1 | ND | | 0.11 | - | | - | - | | - | 0.1 | J | 0.11 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.14 | 0.032 | J | 0.15 | - | | - | - | | - | 0.21 | | 0.14 | ND | | 0.15 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | 0.042 | J | 0.18 | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.1 | 0.097 | J | 0.11 | - | | - | - | | - | 0.49 | | 0.11 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | - | | - | - | | - | ND | | 0.1 | ND | | 0.11 | - | | - | - | | - | 0.038 | J | 0.11 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | - | | - | - | | - | ND | | 0.14 | 0.039 | J | 0.15 | - | | - | - | | - | 0.17 | | 0.14 | ND | | 0.15 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.1 | 0.11 | | 0.11 | - | | - | - | | - | 0.63 | | 0.11 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.4 | ND | | 0.42 | - | | - | - | | - | ND | | 0.4 | ND | | 0.42 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | 0.018 | J | 0.18 | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.21 | ND | | 0.22 | - | | - | - | | - | ND | | 0.21 | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.1 | ND | | 0.11 | - | | - | - | | - | ND | | 0.11 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 | - | | - | - | | - | ND | | 0.16 | ND | | 0.17 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.38 | ND | | 0.4 | - | | - | - | | - | ND | | 0.38 | ND | | 0.4 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.24 | ND | | 0.26 | - | | - | - | | - | ND | | 0.25 | ND | | 0.26 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.84 | ND | | 0.89 | - | | - | - | | - | ND | | 0.85 | ND | | 0.89 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.46 | ND | | 0.48 | - | | - | - | | - | ND | | 0.46 | ND | | 0.48 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.25 | ND | | 0.27 | - | | - | - | | - | ND | | 0.25 | ND | | 0.27 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| Benzoic Acid | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Benzyl Alcohol | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Carbazole | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | 0.061 | J | 0.18 | ND | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 | - | | - | - | | - | ND | | 0.14 | ND | | 0.15 |
| Benzaldehyde | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.23 | ND | | 0.24 | - | | - | - | | - | ND | | 0.23 | ND | | 0.24 |
| Caprolactam | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 | - | | - | - | | - | ND | | 0.18 | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | | - | | - | - | | - | ND | | 0.026 | ND | | 0.028 | - | | - | - | | - | ND | | 0.026 | ND | | 0.028 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | J2-02_2-4FT | | | J2-03-4-6FT | | | J3-01-0-2FT | | | J4-01-0-2FT | | | J4-02-2-4FT | | | J4-03-4-6FT | | | J5-01 | | | K1-01-0-2FT | | |
| | | | | | COLLECTION DATE: | 8/21/2023 | | | 8/21/2023 | | | 8/14/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/21/2023 | | |
| | | | | | SAMPLE DEPTH: | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | | 2-4 | | | 4-6 | | | 0-2 | | | 0-2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 3280 | | 7.93 | 6420 | | 8.75 | - | | - | - | | - | 18000 | | 8.42 | 5750 | | 8.72 |
| Antimony, Total | NA | NA | NA | NA | NA | - | | - | - | | - | ND | | 3.96 | ND | | 4.38 | - | | - | - | | - | ND | | 4.21 | ND | | 4.36 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | - | | - | - | | - | 1.88 | | 0.793 | 2.29 | | 0.875 | - | | - | - | | - | 3.33 | | 0.842 | 2.71 | | 0.872 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | - | | - | - | | - | 13.5 | | 0.793 | 27.5 | | 0.875 | - | | - | - | | - | 80 | | 0.842 | 31.7 | | 0.872 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | - | | - | - | | - | 0.171 | J | 0.396 | 0.27 | J | 0.438 | - | | - | - | | - | 3.68 | | 0.421 | 0.269 | J | 0.436 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | - | | - | - | | - | ND | | 0.793 | 0.116 | J | 0.875 | - | | - | - | | - | 0.205 | J | 0.842 | 0.206 | J | 0.872 |
| Calcium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 56500 | | 7.93 | 5890 | | 8.75 | - | | - | - | | - | 112000 | | 42.1 | 12300 | | 8.72 |
| Chromium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 5.21 | | 0.793 | 8.23 | | 0.875 | - | | - | - | | - | 11.7 | | 0.842 | 11.3 | | 0.872 |
| Cobalt, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 3.15 | | 1.59 | 3.86 | | 1.75 | - | | - | - | | - | 2.28 | | 1.68 | 3.74 | | 1.74 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | - | | - | - | | - | 10.2 | | 0.793 | 8.87 | | 0.875 | - | | - | - | | - | 10.2 | | 0.842 | 10.3 | | 0.872 |
| Iron, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 7370 | | 3.96 | 10900 | | 4.38 | - | | - | - | | - | 9320 | | 4.21 | 13100 | | 4.36 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | **84.3** | | 2.29 | **130** | | 2.11 | 25.7 | | 3.96 | 22.9 | | 4.38 | - | | - | - | | - | 41.1 | | 4.21 | 26.2 | | 4.36 |
| Magnesium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 37800 | | 7.93 | 3410 | | 8.75 | - | | - | - | | - | 32800 | | 8.42 | 5910 | | 8.72 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | - | | - | - | | - | 455 | | 0.793 | 339 | | 0.875 | - | | - | - | | - | 1340 | | 0.842 | 340 | | 0.872 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | **0.559** | | 0.075 | **4.16** | | 0.14 | ND | | 0.078 | **0.186** | | 0.073 | **0.222** | | 0.07 | 0.104 | | 0.092 | 0.065 | J | 0.069 | ND | | 0.076 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | - | | - | - | | - | 7.13 | | 1.98 | 7.23 | | 2.19 | - | | - | - | | - | 6.88 | | 2.11 | 8.42 | | 2.18 |
| Potassium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 491 | | 198 | 442 | | 219 | - | | - | - | | - | 1400 | | 211 | 528 | | 218 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | - | | - | - | | - | ND | | 1.59 | ND | | 1.75 | - | | - | - | | - | 0.899 | J | 1.68 | ND | | 1.74 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | - | | - | - | | - | 0.416 | | 0.396 | ND | | 0.438 | - | | - | - | | - | ND | | 0.421 | ND | | 0.436 |
| Sodium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 108 | J | 159 | 43.1 | J | 175 | - | | - | - | | - | 738 | | 168 | 317 | | 174 |
| Thallium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 0.638 | J | 1.59 | 0.567 | J | 1.75 | - | | - | - | | - | 0.483 | J | 1.68 | 0.286 | J | 1.74 |
| Vanadium, Total | NA | NA | NA | NA | NA | - | | - | - | | - | 8.11 | | 0.793 | 14.9 | | 0.875 | - | | - | - | | - | 11.5 | | 0.842 | 13.4 | | 0.872 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | - | | - | - | | - | 44.4 | | 3.96 | 82.7 | | 4.38 | - | | - | - | | - | 51.1 | | 4.21 | 66.5 | | 4.36 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 83.7 | | 0.1 | 89.3 | | 0.1 | 94.6 | | 0.1 | 87.9 | | 0.1 | 89.6 | | 0.1 | 89.3 | | 0.1 | 91.8 | | 0.1 | 88.9 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | - | | - | - | | - | ND | | 0.98 | ND | | 1.1 | - | | - | - | | - | ND | | 1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| **VOCs** | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0043 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.00086 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0013 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.00086 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.00086 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.00086 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.00086 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | 0.00036 | J | 0.00043 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00043 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0034 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.00086 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00043 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00043 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00086 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00043 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0034 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00043 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00043 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.00086 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.00086 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0034 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0017 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.00086 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0017 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.00086 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0013 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00043 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0017 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0017 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0017 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0017 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0017 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.00086 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.00086 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.00086 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.0086 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.0086 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.0086 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.0086 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.0086 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.0086 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.00086 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.00086 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.00086 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0017 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0026 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.00086 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.00086 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0034 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.00086 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0017 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0017 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0017 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0034 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0086 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0034 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0034 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000394 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.000197 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.000197 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000787 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.00197 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.00197 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000394 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000394 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000394 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000394 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000984 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00492 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00492 |
| **SVOCs** | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.15 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.17 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.19 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.19 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.19 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.19 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.2 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.19 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.54 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.15 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.17 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.19 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.17 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.15 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.19 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.19 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.15 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.15 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.19 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | ND | | 0.15 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.43 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.19 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.19 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.19 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.17 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.4 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.26 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.9 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.49 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.15 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.19 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.19 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.27 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 |
| Benzoic Acid | NA | NA | NA | NA | NA | - | | - |
| Benzyl Alcohol | NA | NA | NA | NA | NA | - | | - |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.19 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.15 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.25 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.19 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.19 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.028 |
| **HERBICIDES** | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - |
| **PESTICIDES** | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - |
| Chlordane | NA | NA | NA | NA | NA | - | | - |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K1-04-14-16FT | |
| | | | | | | COLLECTION DATE: | 8/21/2023 | |
| | | | | | | SAMPLE DEPTH: | 14-16 | |
| | | | | | | SAMPLE MATRIX: | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - |
| **METALS** | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 2950 | | 8.52 |
| Antimony, Total | NA | NA | NA | NA | NA | ND | | 4.26 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 1.6 | | 0.852 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 17 | | 0.852 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.135 | J | 0.426 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.2 | J | 0.852 |
| Calcium, Total | NA | NA | NA | NA | NA | 44300 | | 8.52 |
| Chromium, Total | NA | NA | NA | NA | NA | 4.95 | | 0.852 |
| Cobalt, Total | NA | NA | NA | NA | NA | 2.58 | | 1.7 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 8.43 | | 0.852 |
| Iron, Total | NA | NA | NA | NA | NA | 7230 | | 4.26 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 14.3 | | 4.26 |
| Magnesium, Total | NA | NA | NA | NA | NA | 20500 | | 8.52 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 252 | | 0.852 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | ND | | 0.071 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 4.6 | | 2.13 |
| Potassium, Total | NA | NA | NA | NA | NA | 416 | | 213 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.7 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.426 |
| Sodium, Total | NA | NA | NA | NA | NA | 289 | | 170 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.7 |
| Vanadium, Total | NA | NA | NA | NA | NA | 9.15 | | 0.852 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 68.9 | | 4.26 |
| **GENERAL CHEMISTRY** | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 88.2 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0057 | ND | | 0.0052 | ND | | 0.0065 | ND | | 0.005 | - | | - | ND | | 0.005 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0017 | ND | | 0.0016 | ND | | 0.002 | ND | | 0.0015 | - | | - | ND | | 0.0015 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | 0.00027 | J | 0.00057 | ND | | 0.00052 | 0.0012 | | 0.00065 | ND | | 0.0005 | - | | - | 0.0047 | | 0.0005 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | ND | | 0.0005 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | ND | | 0.0005 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | ND | | 0.0005 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | ND | | 0.0005 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | ND | | 0.0005 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | 0.00097 | | 0.0005 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | 0.0012 | | 0.001 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | 0.00028 | J | 0.001 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0017 | ND | | 0.0016 | ND | | 0.002 | ND | | 0.0015 | - | | - | ND | | 0.0015 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00057 | ND | | 0.00052 | ND | | 0.00065 | ND | | 0.0005 | - | | - | 0.0022 | | 0.0005 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | 0.001 | J | 0.002 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | 0.0003 | J | 0.001 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | ND | | 0.01 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0034 | ND | | 0.0031 | ND | | 0.0039 | ND | | 0.003 | - | | - | ND | | 0.003 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0011 | ND | | 0.001 | ND | | 0.0013 | ND | | 0.001 | - | | - | ND | | 0.001 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | ND | | 0.002 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0023 | ND | | 0.0021 | ND | | 0.0026 | ND | | 0.002 | - | | - | 0.00036 | J | 0.002 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.011 | ND | | 0.01 | ND | | 0.013 | ND | | 0.01 | - | | - | 0.0036 | J | 0.01 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | ND | | 0.004 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0046 | ND | | 0.0041 | ND | | 0.0052 | ND | | 0.004 | - | | - | 0.0049 | | 0.004 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000398 | ND | | 0.000396 | ND | | 0.000391 | 0.000055 | J | 0.000395 | - | | - | ND | | 0.000394 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | 0.000047 | J | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | 0.000071 | J | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | 0.000174 | J | 0.000198 | - | | - | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | 0.00083 | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000796 | ND | | 0.000793 | ND | | 0.000782 | ND | | 0.00079 | - | | - | ND | | 0.000788 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.000199 | ND | | 0.000198 | ND | | 0.000196 | ND | | 0.000198 | - | | - | ND | | 0.000197 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.00199 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00198 | - | | - | ND | | 0.00197 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.00199 | ND | | 0.00198 | ND | | 0.00196 | ND | | 0.00198 | - | | - | ND | | 0.00197 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000398 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000395 | - | | - | ND | | 0.000394 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000398 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000395 | - | | - | ND | | 0.000394 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000398 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000395 | - | | - | ND | | 0.000394 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000398 | ND | | 0.000396 | ND | | 0.000391 | ND | | 0.000395 | - | | - | ND | | 0.000394 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000995 | ND | | 0.000991 | ND | | 0.000978 | ND | | 0.000988 | - | | - | ND | | 0.000984 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00497 | ND | | 0.00496 | ND | | 0.00489 | ND | | 0.00494 | - | | - | ND | | 0.00492 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00497 | ND | | 0.00496 | ND | | 0.00489 | ND | | 0.00494 | - | | - | ND | | 0.00492 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | 0.7 | | 0.15 | - | | - | ND | | 0.14 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | 0.025 | J | 0.11 | ND | | 0.11 | 0.027 | J | 0.11 | 9.3 | E | 0.11 | - | | - | ND | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.21 | ND | | 0.22 | ND | | 0.22 | - | | - | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.19 | ND | | 0.19 | ND | | 0.19 | ND | | 0.2 | - | | - | ND | | 0.19 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 0.52 | ND | | 0.51 | ND | | 0.51 | ND | | 0.53 | - | | - | ND | | 0.51 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.031 | J | 0.19 | - | | - | ND | | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.54 | | 0.19 | - | | - | 0.064 | J | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **3.2** | | 0.11 | 0.14 | | 0.11 | ND | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | **3.3** | | 0.15 | 0.18 | | 0.14 | ND | | 0.14 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **4.2** | | 0.11 | 0.21 | | 0.11 | ND | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **1** | | 0.11 | 0.064 | J | 0.11 | ND | | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **3.1** | | 0.11 | 0.14 | | 0.11 | ND | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 1.2 | | 0.11 | - | | - | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | 2.5 | | 0.15 | - | | - | ND | | 0.14 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.48 | | 0.19 | - | | - | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | 5.8 | | 0.11 | - | | - | ND | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | **0.47** | | 0.11 | 0.024 | J | 0.11 | ND | | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | **2.1** | | 0.15 | 0.12 | J | 0.14 | ND | | 0.14 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 0.021 | J | 0.11 | ND | | 0.11 | 0.024 | J | 0.11 | 7.8 | E | 0.11 | - | | - | ND | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | ND | | 0.41 | ND | | 0.41 | ND | | 0.41 | ND | | 0.42 | - | | - | ND | | 0.41 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.21 | | 0.19 | - | | - | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.21 | ND | | 0.22 | 0.033 | J | 0.22 | - | | - | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 | - | | - | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.16 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | - | | - | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.39 | ND | | 0.39 | ND | | 0.39 | ND | | 0.4 | - | | - | ND | | 0.39 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 0.25 | ND | | 0.25 | ND | | 0.25 | ND | | 0.26 | - | | - | ND | | 0.25 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 0.86 | ND | | 0.86 | ND | | 0.86 | ND | | 0.9 | - | | - | ND | | 0.86 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 0.47 | ND | | 0.46 | ND | | 0.47 | ND | | 0.48 | - | | - | ND | | 0.47 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 0.26 | ND | | 0.26 | ND | | 0.26 | ND | | 0.27 | - | | - | ND | | 0.26 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| Benzoic Acid | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Benzyl Alcohol | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | - | | - |
| Carbazole | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | 0.76 | | 0.19 | - | | - | ND | | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | ND | | 0.14 | ND | | 0.14 | ND | | 0.14 | ND | | 0.15 | - | | - | ND | | 0.14 |
| Benzaldehyde | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.24 | ND | | 0.24 | ND | | 0.25 | - | | - | ND | | 0.24 |
| Caprolactam | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | - | | - | ND | | 0.18 |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.027 | ND | | 0.027 | ND | | 0.027 | ND | | 0.028 | - | | - | ND | | 0.027 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | ND | | 0.186 | - | | - | - | | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | - | | - | - | | - | - | | - | ND | | 0.000753 | - | | - | - | | - |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | - | | - | - | | - | - | | - | ND | | 0.000753 | - | | - | - | | - |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | - | | - | - | | - | - | | - | ND | | 0.000903 | - | | - | - | | - |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Heptachlor epoxide | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00339 | - | | - | - | | - |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | - | | - | - | | - | - | | - | ND | | 0.000753 | - | | - | - | | - |
| Endrin aldehyde | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - | - | | - |
| Endrin ketone | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | - | | - | - | | - | - | | - | ND | | 0.00113 | - | | - | - | | - |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.00181 | - | | - | - | | - |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | - | | - | - | | - | - | | - | ND | | 0.000753 | - | | - | - | | - |
| Methoxychlor | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00339 | - | | - | - | | - |
| Toxaphene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.0339 | - | | - | - | | - |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - | - | | - |
| trans-Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.00226 | - | | - | - | | - |
| Chlordane | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | ND | | 0.015 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | K2-01-0-2FT | | | K3-01-0-2FT | | | K4-01-0-2FT | | | K5-01 | | | K5-02 | | | MW-03-45FT | | |
| | | | | | | COLLECTION DATE: | 8/15/2023 | | | 8/15/2023 | | | 8/15/2023 | | | 8/18/2023 | | | 8/18/2023 | | | 8/22/2023 | | |
| | | | | | | SAMPLE DEPTH: | 0-2 | | | 0-2 | | | 0-2 | | | 0-2 | | | 2-4 | | | 45 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | 0.0357 | J | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | 0.0589 | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | ND | | 0.0539 | ND | | 0.0541 | - | | - |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | 0.0707 | | 0.0539 | ND | | 0.0541 | - | | - |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | | - | | - | - | | - | - | | - | **0.165** | **J** | 0.0539 | ND | | 0.0541 | - | | - |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | | 5030 | | 8.57 | 5240 | | 8.19 | 5070 | | 8.46 | 5060 | | 9.01 | - | | - | 2430 | | 8.52 |
| Antimony, Total | NA | NA | NA | NA | NA | | ND | | 4.28 | ND | | 4.09 | ND | | 4.23 | ND | | 4.5 | - | | - | ND | | 4.26 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | | 2.22 | | 0.857 | 1.46 | | 0.819 | 2.38 | | 0.846 | 2.77 | | 0.901 | - | | - | 1.5 | | 0.852 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | | 24.1 | | 0.857 | 25.6 | | 0.819 | 29.4 | | 0.846 | 31.7 | | 0.901 | - | | - | 18.6 | | 0.852 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | | 0.231 | J | 0.428 | 0.255 | J | 0.409 | 0.222 | J | 0.423 | 0.274 | J | 0.45 | - | | - | 0.122 | J | 0.426 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | | 0.143 | J | 0.857 | ND | | 0.819 | 0.151 | J | 0.846 | 0.316 | J | 0.901 | - | | - | ND | | 0.852 |
| Calcium, Total | NA | NA | NA | NA | NA | | 20200 | | 8.57 | 622 | | 8.19 | 24100 | | 8.46 | 52400 | | 9.01 | - | | - | 138000 | | 85.2 |
| Chromium, Total | NA | NA | NA | NA | NA | | 6.86 | | 0.857 | 6.81 | | 0.819 | 7.61 | | 0.846 | 8.66 | | 0.901 | - | | - | 8.09 | | 0.852 |
| Cobalt, Total | NA | NA | NA | NA | NA | | 3.02 | | 1.71 | 2.94 | | 1.64 | 3.44 | | 1.69 | 4.62 | | 1.8 | - | | - | 2.76 | | 1.7 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | | 9.94 | | 0.857 | 2.16 | | 0.819 | 12.1 | | 0.846 | 13.9 | | 0.901 | - | | - | 7.83 | | 0.852 |
| Iron, Total | NA | NA | NA | NA | NA | | 9270 | | 4.28 | 9500 | | 4.09 | 9970 | | 4.23 | 11300 | | 4.5 | - | | - | 6240 | | 4.26 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | | 19.9 | | 4.28 | 9.44 | | 4.09 | 24.4 | | 4.23 | 11.6 | | 4.5 | - | | - | 6.78 | | 4.26 |
| Magnesium, Total | NA | NA | NA | NA | NA | | 8410 | | 8.57 | 1040 | | 8.19 | 12500 | | 8.46 | 20800 | | 9.01 | - | | - | 70700 | | 8.52 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | | 326 | | 0.857 | 345 | | 0.819 | 345 | | 0.846 | 299 | | 0.901 | - | | - | 231 | | 0.852 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | | 0.134 | | 0.069 | ND | | 0.068 | 0.072 | | 0.069 | ND | | 0.073 | - | | - | 0.045 | J | 0.069 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | | 7.1 | | 2.14 | 3.84 | | 2.05 | 7.79 | | 2.12 | 10.6 | | 2.25 | - | | - | 5.99 | | 2.13 |
| Potassium, Total | NA | NA | NA | NA | NA | | 446 | | 214 | 202 | J | 205 | 467 | | 212 | 865 | | 225 | - | | - | 526 | | 213 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | | ND | | 1.71 | ND | | 1.64 | ND | | 1.69 | 0.366 | J | 1.8 | - | | - | ND | | 1.7 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | | ND | | 0.428 | ND | | 0.409 | ND | | 0.423 | ND | | 0.45 | - | | - | 1.89 | | 0.426 |
| Sodium, Total | NA | NA | NA | NA | NA | | 98.2 | J | 171 | 106 | J | 164 | 157 | J | 169 | 431 | | 180 | - | | - | 207 | | 170 |
| Thallium, Total | NA | NA | NA | NA | NA | | ND | | 1.71 | ND | | 1.64 | 0.39 | J | 1.69 | 0.511 | J | 1.8 | - | | - | ND | | 1.7 |
| Vanadium, Total | NA | NA | NA | NA | NA | | 11.8 | | 0.857 | 13.2 | | 0.819 | 13.3 | | 0.846 | 14.6 | | 0.901 | - | | - | 6.6 | | 0.852 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | | 60.8 | | 4.28 | 30.6 | | 4.09 | 91 | | 4.23 | 81.4 | | 4.5 | - | | - | 25.2 | | 4.26 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | | 91.4 | | 0.1 | 92.4 | | 0.1 | 91.3 | | 0.1 | 87.4 | | 0.1 | 92.1 | | 0.1 | 90.7 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | | ND | | 1.1 | ND | | 1 | ND | | 1 | ND | | 1.1 | - | | - | ND | | 1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | | - | | - | - | | - | - | | - | ND | | 0.915 | - | | - | - | | - |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
| | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0051 | ND | | 0.0044 | ND | | 0.0053 | ND | | 0.004 | ND | | 0.0055 | ND | | 0.0079 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | 0.00015 | J | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | 0.0021 | | 0.0015 | ND | | 0.0013 | ND | | 0.0016 | ND | | 0.0012 | ND | | 0.0016 | ND | | 0.0024 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | 0.00091 | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | ND | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | 0.00034 | J | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | ND | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | ND | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | ND | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00051 | ND | | 0.00044 | 0.00018 | J | 0.00053 | 0.00061 | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | 0.0012 | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | 0.00017 | J | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0015 | ND | | 0.0013 | ND | | 0.0016 | ND | | 0.0012 | ND | | 0.0016 | ND | | 0.0024 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00051 | ND | | 0.00044 | ND | | 0.00053 | 0.0025 | | 0.0004 | ND | | 0.00055 | ND | | 0.00079 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | 0.00067 | J | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | 0.0003 | J | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | 0.00023 | J | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | 0.0086 | J | 0.011 | ND | | 0.016 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
| | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | ND | | 0.0081 | ND | | 0.011 | ND | | 0.016 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0031 | ND | | 0.0027 | ND | | 0.0032 | ND | | 0.0024 | ND | | 0.0033 | ND | | 0.0048 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.001 | ND | | 0.00089 | ND | | 0.001 | ND | | 0.00081 | ND | | 0.0011 | ND | | 0.0016 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | ND | | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.002 | ND | | 0.0018 | ND | | 0.0021 | 0.00034 | J | 0.0016 | ND | | 0.0022 | ND | | 0.0032 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.01 | ND | | 0.0089 | ND | | 0.01 | 0.0013 | J | 0.0081 | ND | | 0.011 | ND | | 0.016 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | ND | | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0041 | ND | | 0.0036 | ND | | 0.0042 | 0.0018 | J | 0.0032 | ND | | 0.0044 | ND | | 0.0063 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | 0.000107 | J | 0.0008 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | ND | | 0.000392 | ND | | 0.000398 | ND | | 0.0004 | ND | | 0.000376 | ND | | 0.0004 | 0.000106 | J | 0.0004 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | 0.000089 | J | 0.0002 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | 0.000079 | J | 0.0002 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | 0.000201 | | 0.0002 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | 0.000114 | J | 0.0002 | 0.000563 | | 0.0002 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
| | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | 0.000079 | J | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | ND | | 0.000785 | ND | | 0.000796 | ND | | 0.0008 | ND | | 0.000753 | ND | | 0.0008 | ND | | 0.0008 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | ND | | 0.000196 | ND | | 0.000199 | ND | | 0.0002 | ND | | 0.000188 | ND | | 0.0002 | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | ND | | 0.00196 | ND | | 0.00199 | ND | | 0.002 | ND | | 0.00188 | ND | | 0.002 | ND | | 0.002 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | ND | | 0.00196 | ND | | 0.00199 | ND | | 0.002 | ND | | 0.00188 | ND | | 0.002 | ND | | 0.002 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | ND | | 0.000392 | ND | | 0.000398 | ND | | 0.0004 | ND | | 0.000376 | ND | | 0.0004 | ND | | 0.0004 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | ND | | 0.000392 | ND | | 0.000398 | ND | | 0.0004 | ND | | 0.000376 | ND | | 0.0004 | ND | | 0.0004 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | ND | | 0.000392 | ND | | 0.000398 | ND | | 0.0004 | ND | | 0.000376 | ND | | 0.0004 | ND | | 0.0004 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | ND | | 0.000392 | ND | | 0.000398 | ND | | 0.0004 | ND | | 0.000376 | ND | | 0.0004 | ND | | 0.0004 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.000981 | ND | | 0.000994 | ND | | 0.001 | ND | | 0.000941 | ND | | 0.001 | ND | | 0.001 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00491 | ND | | 0.00497 | ND | | 0.005 | ND | | 0.0047 | ND | | 0.005 | ND | | 0.005 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | ND | | 0.00491 | ND | | 0.00497 | ND | | 0.005 | ND | | 0.0047 | ND | | 0.005 | ND | | 0.005 |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | 0.09 | J | 0.15 | ND | | 0.15 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.18 |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 1.6 | | 0.11 | 0.29 | | 0.11 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | ND | | 0.24 | ND | | 0.23 | ND | | 0.25 | ND | | 0.21 | ND | | 0.23 | ND | | 0.22 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | ND | | 0.22 | ND | | 0.21 | ND | | 0.23 | ND | | 0.19 | ND | | 0.2 | ND | | 0.2 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | | ND | | 0.58 | ND | | 0.56 | ND | | 0.6 | ND | | 0.51 | ND | | 0.54 | ND | | 0.52 |
| Hexachloroethane | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 |
| Isophorone | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | 0.068 | J | 0.19 | ND | | 0.18 |
| Nitrobenzene | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 |
| NDPA/DPA | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Diethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 0.96 | | 0.11 | 0.14 | | 0.11 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | **1** | | 0.15 | 0.15 | | 0.15 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | **1.4** | | 0.11 | 0.2 | | 0.11 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 0.48 | | 0.11 | 0.072 | J | 0.11 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | **1** | | 0.11 | 0.16 | | 0.11 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | 0.099 | J | 0.15 | ND | | 0.15 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 0.26 | | 0.11 | ND | | 0.11 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | 0.78 | | 0.15 | 0.098 | J | 0.15 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | 0.076 | J | 0.19 | ND | | 0.18 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 0.72 | | 0.11 | 0.11 | | 0.11 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 0.17 | | 0.11 | 0.022 | J | 0.11 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | **0.85** | | 0.15 | 0.11 | J | 0.15 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | 1.4 | | 0.11 | 0.24 | | 0.11 |
| Biphenyl | NA | NA | NA | NA | NA | | ND | | 0.47 | ND | | 0.44 | ND | | 0.48 | ND | | 0.41 | ND | | 0.43 | ND | | 0.42 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | 0.051 | J | 0.19 | ND | | 0.18 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | | ND | | 0.24 | ND | | 0.23 | ND | | 0.25 | ND | | 0.21 | 0.035 | J | 0.23 | ND | | 0.22 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Acetophenone | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | 0.033 | J | 0.19 | ND | | 0.18 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.12 | ND | | 0.12 | ND | | 0.13 | ND | | 0.11 | ND | | 0.11 | ND | | 0.11 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.18 | ND | | 0.18 | ND | | 0.19 | ND | | 0.16 | ND | | 0.17 | ND | | 0.16 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | | ND | | 0.44 | ND | | 0.42 | ND | | 0.46 | ND | | 0.39 | ND | | 0.41 | ND | | 0.4 |

**TABLE 3**

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | | ND | | 0.29 | ND | | 0.27 | ND | | 0.3 | ND | | 0.25 | ND | | 0.26 | ND | | 0.26 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | | ND | | 0.98 | ND | | 0.93 | ND | | 1 | ND | | 0.86 | ND | | 0.9 | ND | | 0.88 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | | ND | | 0.53 | ND | | 0.51 | ND | | 0.55 | ND | | 0.46 | ND | | 0.49 | ND | | 0.48 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | ND | | 0.15 | ND | | 0.15 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | | ND | | 0.29 | ND | | 0.28 | ND | | 0.3 | ND | | 0.26 | ND | | 0.27 | ND | | 0.26 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | ND | | 0.18 |
| Benzoic Acid | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.59 |
| Benzyl Alcohol | NA | NA | NA | NA | NA | | - | | - | - | | - | - | | - | - | | - | - | | - | ND | | 0.18 |
| Carbazole | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | 0.09 | J | 0.19 | 0.018 | J | 0.18 |
| Atrazine | NA | NA | NA | NA | NA | | ND | | 0.16 | ND | | 0.16 | ND | | 0.17 | ND | | 0.14 | ND | | 0.15 | - | - | - |
| Benzaldehyde | NA | NA | NA | NA | NA | | ND | | 0.27 | ND | | 0.26 | ND | | 0.28 | ND | | 0.24 | ND | | 0.25 | - | - | - |
| Caprolactam | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | - | - | - |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | | ND | | 0.2 | ND | | 0.19 | ND | | 0.21 | ND | | 0.18 | ND | | 0.19 | - | - | - |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | | ND | | 0.031 | ND | | 0.029 | ND | | 0.032 | ND | | 0.027 | ND | | 0.028 | ND | | 0.027 |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.211 | ND | | 0.179 | ND | | 0.189 | ND | | 0.182 |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | | - | | - | - | | - | ND | | 0.000862 | ND | | 0.000693 | ND | | 0.000742 | ND | | 0.000702 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | | - | | - | - | | - | ND | | 0.000862 | ND | | 0.000693 | ND | | 0.000742 | ND | | 0.000702 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | | - | | - | - | | - | ND | | 0.00103 | ND | | 0.000831 | ND | | 0.000891 | ND | | 0.000842 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00388 | ND | | 0.00312 | ND | | 0.00334 | ND | | 0.00316 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | | - | | - | - | | - | ND | | 0.000862 | ND | | 0.000693 | ND | | 0.000742 | ND | | 0.000702 |
| Endrin aldehyde | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00258 | ND | | 0.00208 | ND | | 0.00223 | ND | | 0.00211 |
| Endrin ketone | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | | - | | - | - | | - | ND | | 0.00129 | ND | | 0.00104 | ND | | 0.00111 | ND | | 0.00105 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | 0.00204 | | 0.00178 | 0.00244 | | 0.00168 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | 0.0018 | IP | 0.00178 | 0.00318 | | 0.00168 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | ND | | 0.00207 | ND | | 0.00166 | ND | | 0.00178 | ND | | 0.00168 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | | - | | - | - | | - | ND | | 0.000862 | ND | | 0.000693 | ND | | 0.000742 | ND | | 0.000702 |
| Methoxychlor | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00388 | ND | | 0.00312 | ND | | 0.00334 | ND | | 0.00316 |
| Toxaphene | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0388 | ND | | 0.0312 | ND | | 0.0334 | ND | | 0.0316 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | | - | | - | - | | - | ND | | 0.00258 | ND | | 0.00208 | ND | | 0.00223 | ND | | 0.00211 |
| trans-Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.00258 | ND | | 0.00208 | ND | | 0.00223 | ND | | 0.00211 |
| Chlordane | NA | NA | NA | NA | NA | | - | | - | - | | - | ND | | 0.0172 | ND | | 0.0138 | ND | | 0.0148 | ND | | 0.014 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | SAMPLE ID: | MW-1-35FT | | | MW-5-44 FT | | | SO-MW-02-38-40FT | | | SO-MW-04-52FT | | | TP-01-2FT | | | TP-02-2FT | | |
| | | | | | COLLECTION DATE: | 8/23/2023 | | | 8/24/2023 | | | 8/28/2023 | | | 8/29/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | SAMPLE DEPTH: | 35 | | | 44 | | | 38-40 | | | 52 | | | 2 | | | 2 | | |
| | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | 0.0143 | J | 0.0561 | ND | | 0.0525 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | 0.0311 | J | 0.0561 | 0.00828 | J | 0.0525 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | 0.0134 | J | 0.0561 | ND | | 0.0525 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | ND | | 0.0561 | ND | | 0.0525 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | - | | - | - | | - | ND | | 0.062 | ND | | 0.0523 | 0.0588 | J | 0.0561 | 0.00828 | J | 0.0525 |
| **METALS** | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 1640 | | 9.72 | 1320 | | 9.14 | 2970 | | 9.81 | 1680 | | 8.66 | 5870 | | 9 | 6270 | | 8.62 |
| Antimony, Total | NA | NA | NA | NA | NA | ND | | 4.86 | ND | | 4.57 | ND | | 4.9 | ND | | 4.33 | 0.441 | J | 4.5 | ND | | 4.31 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 1.2 | | 0.972 | 0.488 | J | 0.914 | 1.88 | | 0.981 | 1.67 | | 0.866 | 5.59 | | 0.9 | 4.48 | | 0.862 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 10.4 | | 0.972 | 8.54 | | 0.914 | 35.7 | | 0.981 | 8.86 | | 0.866 | 64 | | 0.9 | 47.2 | | 0.862 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.077 | J | 0.486 | 0.06 | J | 0.457 | 0.156 | J | 0.49 | 0.089 | J | 0.433 | 0.426 | J | 0.45 | 0.366 | J | 0.431 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.106 | J | 0.972 | ND | | 0.914 | 0.133 | J | 0.981 | ND | | 0.866 | 0.334 | J | 0.9 | 0.259 | J | 0.862 |
| Calcium, Total | NA | NA | NA | NA | NA | 52100 | | 9.72 | 39500 | | 9.14 | 61000 | | 9.81 | 90600 | | 21.6 | 53700 | | 9 | 19200 | | 8.62 |
| Chromium, Total | NA | NA | NA | NA | NA | 3.65 | | 0.972 | 4 | | 0.914 | 6.25 | | 0.981 | 3.11 | | 0.866 | 9.65 | | 0.9 | 14.9 | | 0.862 |
| Cobalt, Total | NA | NA | NA | NA | NA | 1.81 | J | 1.94 | 1.23 | J | 1.83 | 2.86 | | 1.96 | 1.36 | J | 1.73 | 3.38 | | 1.8 | 4.2 | | 1.72 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 6.63 | | 0.972 | 5.21 | | 0.914 | 8.35 | | 0.981 | 20.1 | | 0.866 | 17.6 | | 0.9 | 16 | | 0.862 |
| Iron, Total | NA | NA | NA | NA | NA | 5540 | | 4.86 | 4210 | | 4.57 | 8530 | | 4.9 | 4700 | | 4.33 | 10600 | | 4.5 | 10800 | | 4.31 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | 8.82 | | 4.86 | 5.53 | | 4.57 | 11.6 | | 4.9 | 4.04 | J | 4.33 | **281** | | 4.5 | 48.1 | | 4.31 |
| Magnesium, Total | NA | NA | NA | NA | NA | 25100 | | 9.72 | 18000 | | 9.14 | 27100 | | 9.81 | 47400 | | 8.66 | 9980 | | 9 | 6580 | | 8.62 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 207 | | 0.972 | 154 | | 0.914 | 311 | | 0.981 | 176 | | 0.866 | 411 | | 0.9 | 349 | | 0.862 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | ND | | 0.079 | ND | | 0.075 | ND | | 0.083 | ND | | 0.078 | **0.293** | | 0.085 | 0.085 | J | 0.087 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 3.48 | | 2.43 | 2.87 | | 2.29 | 5.82 | | 2.45 | 3.73 | | 2.16 | 7.4 | | 2.25 | 9.92 | | 2.15 |
| Potassium, Total | NA | NA | NA | NA | NA | 338 | | 243 | 248 | | 229 | 575 | | 245 | 297 | | 216 | 400 | | 225 | 324 | | 215 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | 0.486 | J | 1.94 | ND | | 1.83 | ND | | 1.96 | ND | | 1.73 | ND | | 1.8 | ND | | 1.72 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | 0.851 | | 0.486 | 0.707 | | 0.457 | ND | | 0.49 | ND | | 0.433 | ND | | 0.45 | ND | | 0.431 |
| Sodium, Total | NA | NA | NA | NA | NA | 550 | | 194 | 264 | | 183 | 192 | J | 196 | 142 | J | 173 | 752 | | 180 | 133 | J | 172 |
| Thallium, Total | NA | NA | NA | NA | NA | 1.1 | J | 1.94 | ND | | 1.83 | 0.444 | J | 1.96 | ND | | 1.73 | ND | | 1.8 | ND | | 1.72 |
| Vanadium, Total | NA | NA | NA | NA | NA | 7.82 | | 0.972 | 6.1 | | 0.914 | 11.6 | | 0.981 | 5.42 | | 0.866 | 12 | | 0.9 | 13.7 | | 0.862 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | 65.9 | | 4.86 | 41.7 | | 4.57 | 56.7 | | 4.9 | 22.3 | | 4.33 | **137** | | 4.5 | **140** | | 4.31 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 79.6 | | 0.1 | 83.8 | | 0.1 | 77.3 | | 0.1 | 91.6 | | 0.1 | 87.4 | | 0.1 | 90.1 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.2 | ND | | 1.2 | ND | | 1.3 | ND | | 1 | 0.57 | J | 1.1 | ND | | 1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | - | | - | - | | - | ND | | 1.03 | ND | | 0.873 | ND | | 0.915 | ND | | 0.888 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | TP-03-2FT | | | TP-04-2FT | | | TP-05-2FT | |
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 9/12/2023 | | | 9/12/2023 | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | |
| Methylene chloride | 0.05 | 51 | 100 | 500 | 1000 | ND | | 0.0065 | ND | | 0.0069 | ND | | 0.0056 |
| 1,1-Dichloroethane | 0.27 | 19 | 26 | 240 | 480 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Chloroform | 0.37 | 10 | 49 | 350 | 700 | ND | | 0.0019 | ND | | 0.0021 | ND | | 0.0017 |
| Carbon tetrachloride | 0.76 | 1.4 | 2.4 | 22 | 44 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| 1,2-Dichloropropane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Dibromochloromethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| 1,1,2-Trichloroethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Tetrachloroethene | 1.3 | 5.5 | 19 | 150 | 300 | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Chlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Trichlorofluoromethane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| 1,2-Dichloroethane | 0.02 | 2.3 | 3.1 | 30 | 60 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| 1,1,1-Trichloroethane | 0.68 | 100 | 100 | 500 | 1000 | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Bromodichloromethane | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| trans-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| cis-1,3-Dichloropropene | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Bromoform | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| 1,1,2,2-Tetrachloroethane | NA | NA | NA | NA | NA | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Benzene | 0.06 | 2.9 | 4.8 | 44 | 89 | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| Toluene | 0.7 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Ethylbenzene | 1 | 30 | 41 | 390 | 780 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Chloromethane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| Bromomethane | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| Vinyl chloride | 0.02 | 0.21 | 0.9 | 13 | 27 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Chloroethane | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,1-Dichloroethene | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| trans-1,2-Dichloroethene | 0.19 | 100 | 100 | 500 | 1000 | ND | | 0.0019 | ND | | 0.0021 | ND | | 0.0017 |
| Trichloroethene | 0.47 | 10 | 21 | 200 | 400 | ND | | 0.00065 | ND | | 0.00069 | ND | | 0.00056 |
| 1,2-Dichlorobenzene | 1.1 | 100 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,3-Dichlorobenzene | 2.4 | 17 | 49 | 280 | 560 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,4-Dichlorobenzene | 1.8 | 9.8 | 13 | 130 | 250 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| Methyl tert butyl ether | 0.93 | 62 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| p/m-Xylene | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| o-Xylene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| cis-1,2-Dichloroethene | 0.25 | 59 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Styrene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Dichlorodifluoromethane | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| Acetone | 0.05 | 100 | 100 | 500 | 1000 | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| Carbon disulfide | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| 2-Butanone | 0.12 | 100 | 100 | 500 | 1000 | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| 4-Methyl-2-pentanone | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | TP-03-2FT | | | TP-04-2FT | | | TP-05-2FT | | |
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 2-Hexanone | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| 1,2-Dibromoethane | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| n-Butylbenzene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| sec-Butylbenzene | 11 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| tert-Butylbenzene | 5.9 | 100 | 100 | 500 | 1000 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,2-Dibromo-3-chloropropane | NA | NA | NA | NA | NA | ND | | 0.0039 | ND | | 0.0041 | ND | | 0.0034 |
| Isopropylbenzene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| p-Isopropyltoluene | NA | NA | NA | NA | NA | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| n-Propylbenzene | 3.9 | 100 | 100 | 500 | 1000 | ND | | 0.0013 | ND | | 0.0014 | ND | | 0.0011 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,3,5-Trimethylbenzene | 8.4 | 47 | 52 | 190 | 380 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| 1,2,4-Trimethylbenzene | 3.6 | 47 | 52 | 190 | 380 | ND | | 0.0026 | ND | | 0.0028 | ND | | 0.0022 |
| Methyl Acetate | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| Cyclohexane | NA | NA | NA | NA | NA | ND | | 0.013 | ND | | 0.014 | ND | | 0.011 |
| Freon-113 | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| Methyl cyclohexane | NA | NA | NA | NA | NA | ND | | 0.0052 | ND | | 0.0055 | ND | | 0.0045 |
| **PERFLUORINATED ALKYL ACIDS** | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | NA | NA | NA | 0.000096 | J | 0.000802 | ND | | 0.0008 | 0.000174 | J | 0.000801 |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | NA | NA | NA | 0.000158 | J | 0.000401 | ND | | 0.0004 | 0.000182 | J | 0.0004 |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | NA | NA | NA | 0.000149 | J | 0.0002 | ND | | 0.0002 | 0.000182 | J | 0.0002 |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | NA | NA | NA | 0.000107 | J | 0.0002 | 0.000089 | J | 0.0002 | 0.000098 | J | 0.0002 |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanoic Acid (PFOA) | 0.00066 | 0.0066 | 0.033 | 0.5 | 0.6 | 0.000271 | | 0.0002 | 0.000136 | J | 0.0002 | 0.000449 | | 0.0002 |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000802 | ND | | 0.0008 | 0.000343 | J | 0.000801 |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorononanoic Acid (PFNA) | NA | NA | NA | NA | NA | 0.000112 | J | 0.0002 | 0.000262 | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanesulfonic Acid (PFOS) | 0.00088 | 0.0088 | 0.044 | 0.44 | 0.44 | 0.00087 | | 0.0002 | 0.000409 | | 0.0002 | 0.000771 | | 0.0002 |
| Perfluorodecanoic Acid (PFDA) | NA | NA | NA | NA | NA | 0.000372 | | 0.0002 | 0.000204 | | 0.0002 | ND | | 0.0002 |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | NA | NA | NA | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | NA | NA | NA | 0.000067 | J | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | NA | NA | NA | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SAMPLE ID:** | **TP-03-2FT** | | | **TP-04-2FT** | | | **TP-05-2FT** | | |
| | | | | | | **COLLECTION DATE:** | **9/12/2023** | | | **9/12/2023** | | | **9/12/2023** | | |
| | | | | | | **SAMPLE DEPTH:** | **2** | | | **2** | | | **2** | | |
| | | | | | | **SAMPLE MATRIX:** | **SOIL** | | | **SOIL** | | | **SOIL** | | |
| | **NY-UNRES** | **NY-RESR** | **NY-RESRR** | **NY-RESC** | **NY-RESI** | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | NA | NA | NA | | 0.000173 | J | 0.0002 | 0.000065 | J | 0.0002 | ND | | 0.0002 |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | NA | NA | NA | | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | NA | NA | NA | | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS) | NA | NA | NA | NA | NA | | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS) | NA | NA | NA | NA | NA | | ND | | 0.000802 | ND | | 0.0008 | ND | | 0.000801 |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | NA | NA | NA | | ND | | 0.0002 | ND | | 0.0002 | ND | | 0.0002 |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.002 | ND | | 0.002 |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | NA | NA | NA | | ND | | 0.002 | ND | | 0.002 | ND | | 0.002 |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | NA | NA | NA | | ND | | 0.000401 | ND | | 0.0004 | ND | | 0.0004 |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | NA | NA | NA | | ND | | 0.000401 | ND | | 0.0004 | ND | | 0.0004 |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | NA | NA | NA | | ND | | 0.000401 | ND | | 0.0004 | ND | | 0.0004 |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | NA | NA | NA | | ND | | 0.000401 | ND | | 0.0004 | ND | | 0.0004 |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.001 | ND | | 0.001 | ND | | 0.001 |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00501 | ND | | 0.005 | ND | | 0.005 |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | NA | NA | NA | | ND | | 0.00501 | ND | | 0.005 | ND | | 0.005 |
| **SVOCs** | | | | | | | | | | | | | | | |
| Acenaphthene | 20 | 100 | 100 | 500 | 1000 | | 2.2 | | 0.78 | ND | | 0.15 | 0.026 | J | 0.16 |
| 1,2,4-Trichlorobenzene | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Hexachlorobenzene | 0.33 | 0.33 | 1.2 | 6 | 12 | | ND | | 0.58 | ND | | 0.11 | ND | | 0.12 |
| Bis(2-chloroethyl)ether | NA | NA | NA | NA | NA | | ND | | 0.88 | ND | | 0.16 | ND | | 0.18 |
| 2-Chloronaphthalene | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 3,3'-Dichlorobenzidine | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2,4-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2,6-Dinitrotoluene | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Fluoranthene | 100 | 100 | 100 | 500 | 1000 | | 34 | | 0.58 | 0.94 | | 0.11 | 0.52 | | 0.12 |
| 4-Chlorophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 4-Bromophenyl phenyl ether | NA | NA | NA | NA | NA | | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Bis(2-chloroisopropyl)ether | NA | NA | NA | NA | NA | | ND | | 1.2 | ND | | 0.22 | ND | | 0.24 |
| Bis(2-chloroethoxy)methane | NA | NA | NA | NA | NA | | ND | | 1 | ND | | 0.2 | ND | | 0.21 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | TP-03-2FT | | | TP-04-2FT | | | TP-05-2FT | | |
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | |
| **ANALYTE** | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Hexachlorobutadiene | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Hexachlorocyclopentadiene | NA | NA | NA | NA | NA | ND | | 2.8 | ND | | 0.53 | ND | | 0.57 |
| Hexachloroethane | NA | NA | NA | NA | NA | ND | | 0.78 | ND | | 0.15 | ND | | 0.16 |
| Isophorone | NA | NA | NA | NA | NA | ND | | 0.88 | ND | | 0.16 | ND | | 0.18 |
| Naphthalene | 12 | 100 | 100 | 500 | 1000 | 0.13 | J | 0.97 | 0.036 | J | 0.18 | 0.06 | J | 0.2 |
| Nitrobenzene | NA | NA | NA | NA | NA | ND | | 0.88 | ND | | 0.16 | ND | | 0.18 |
| NDPA/DPA | NA | NA | NA | NA | NA | ND | | 0.78 | ND | | 0.15 | ND | | 0.16 |
| n-Nitrosodi-n-propylamine | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Bis(2-ethylhexyl)phthalate | NA | NA | NA | NA | NA | 0.36 | J | 0.97 | ND | | 0.18 | 0.088 | J | 0.2 |
| Butyl benzyl phthalate | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Di-n-butylphthalate | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Di-n-octylphthalate | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Diethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Dimethyl phthalate | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Benzo(a)anthracene | 1 | 1 | 1 | 5.6 | 11 | **13** | | 0.58 | 0.49 | | 0.11 | 0.24 | | 0.12 |
| Benzo(a)pyrene | 1 | 1 | 1 | 1 | 1.1 | **13** | | 0.78 | 0.73 | | 0.15 | 0.25 | | 0.16 |
| Benzo(b)fluoranthene | 1 | 1 | 1 | 5.6 | 11 | **17** | | 0.58 | **1.1** | | 0.11 | 0.31 | | 0.12 |
| Benzo(k)fluoranthene | 0.8 | 1 | 3.9 | 56 | 110 | **5.5** | | 0.58 | 0.31 | | 0.11 | 0.11 | J | 0.12 |
| Chrysene | 1 | 1 | 3.9 | 56 | 110 | **13** | | 0.58 | 0.66 | | 0.11 | 0.27 | | 0.12 |
| Acenaphthylene | 100 | 100 | 100 | 500 | 1000 | ND | | 0.78 | 0.052 | J | 0.15 | 0.032 | J | 0.16 |
| Anthracene | 100 | 100 | 100 | 500 | 1000 | 5.3 | | 0.58 | 0.075 | J | 0.11 | 0.066 | J | 0.12 |
| Benzo(ghi)perylene | 100 | 100 | 100 | 500 | 1000 | 8 | | 0.78 | 0.64 | | 0.15 | 0.14 | J | 0.16 |
| Fluorene | 30 | 100 | 100 | 500 | 1000 | 2.5 | | 0.97 | 0.029 | J | 0.18 | 0.033 | J | 0.2 |
| Phenanthrene | 100 | 100 | 100 | 500 | 1000 | 24 | | 0.58 | 0.26 | | 0.11 | 0.3 | | 0.12 |
| Dibenzo(a,h)anthracene | 0.33 | 0.33 | 0.33 | 0.56 | 1.1 | **1.8** | | 0.58 | 0.13 | | 0.11 | 0.037 | J | 0.12 |
| Indeno(1,2,3-cd)pyrene | 0.5 | 0.5 | 0.5 | 5.6 | 11 | **10** | | 0.78 | **0.68** | | 0.15 | 0.17 | | 0.16 |
| Pyrene | 100 | 100 | 100 | 500 | 1000 | 25 | | 0.58 | 0.79 | | 0.11 | 0.44 | | 0.12 |
| Biphenyl | NA | NA | NA | NA | NA | 0.13 | J | 2.2 | ND | | 0.42 | ND | | 0.45 |
| 4-Chloroaniline | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 3-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 4-Nitroaniline | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Dibenzofuran | 7 | 14 | 59 | 350 | 1000 | 1.4 | | 0.97 | ND | | 0.18 | 0.024 | J | 0.2 |
| 2-Methylnaphthalene | NA | NA | NA | NA | NA | 0.24 | J | 1.2 | ND | | 0.22 | 0.066 | J | 0.24 |
| 1,2,4,5-Tetrachlorobenzene | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Acetophenone | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2,4,6-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.58 | ND | | 0.11 | ND | | 0.12 |
| p-Chloro-m-cresol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2-Chlorophenol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2,4-Dichlorophenol | NA | NA | NA | NA | NA | ND | | 0.88 | ND | | 0.16 | ND | | 0.18 |
| 2,4-Dimethylphenol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2-Nitrophenol | NA | NA | NA | NA | NA | ND | | 2.1 | ND | | 0.4 | ND | | 0.43 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | TP-03-2FT | | | TP-04-2FT | | | TP-05-2FT | | |
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | |
| **ANALYTE** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | **(mg/kg)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Nitrophenol | NA | NA | NA | NA | NA | ND | | 1.4 | ND | | 0.26 | ND | | 0.28 |
| 2,4-Dinitrophenol | NA | NA | NA | NA | NA | ND | | 4.7 | ND | | 0.88 | ND | | 0.95 |
| 4,6-Dinitro-o-cresol | NA | NA | NA | NA | NA | ND | | 2.5 | ND | | 0.48 | ND | | 0.52 |
| Pentachlorophenol | 0.8 | 2.4 | 6.7 | 6.7 | 55 | ND | | 0.78 | ND | | 0.15 | ND | | 0.16 |
| Phenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 2-Methylphenol | 0.33 | 100 | 100 | 500 | 1000 | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| 3-Methylphenol/4-Methylphenol | 0.33 | 34 | 100 | 500 | 1000 | ND | | 1.4 | ND | | 0.26 | ND | | 0.29 |
| 2,4,5-Trichlorophenol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Benzoic Acid | NA | NA | NA | NA | NA | ND | | 3.2 | ND | | 0.6 | ND | | 0.64 |
| Benzyl Alcohol | NA | NA | NA | NA | NA | ND | | 0.97 | ND | | 0.18 | ND | | 0.2 |
| Carbazole | NA | NA | NA | NA | NA | 4 | | 0.97 | 0.066 | J | 0.18 | 0.044 | J | 0.2 |
| Atrazine | NA | NA | NA | NA | NA | - | - | - | - | - | - | - | - | - |
| Benzaldehyde | NA | NA | NA | NA | NA | - | - | - | - | - | - | - | - | - |
| Caprolactam | NA | NA | NA | NA | NA | - | - | - | - | - | - | - | - | - |
| 2,3,4,6-Tetrachlorophenol | NA | NA | NA | NA | NA | - | - | - | - | - | - | - | - | - |
| 1,4-Dioxane | 0.1 | 9.8 | 13 | 130 | 250 | ND | | 0.14 | ND | | 0.028 | ND | | 0.03 |
| **HERBICIDES** | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | 3.8 | 58 | 100 | 500 | 1000 | ND | | 0.193 | ND | | 0.182 | ND | | 0.196 |
| **PESTICIDES** | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 100 | 100 | 500 | 1000 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Lindane | 0.1 | 0.28 | 1.3 | 9.2 | 23 | ND | | 0.000759 | ND | | 0.000721 | ND | | 0.000759 |
| Alpha-BHC | 0.02 | 0.097 | 0.48 | 3.4 | 6.8 | ND | | 0.000759 | ND | | 0.000721 | ND | | 0.000759 |
| Beta-BHC | 0.036 | 0.072 | 0.36 | 3 | 14 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Heptachlor | 0.042 | 0.42 | 2.1 | 15 | 29 | ND | | 0.000911 | ND | | 0.000865 | ND | | 0.000911 |
| Aldrin | 0.005 | 0.019 | 0.097 | 0.68 | 1.4 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Heptachlor epoxide | NA | NA | NA | NA | NA | ND | | 0.00342 | ND | | 0.00324 | ND | | 0.00342 |
| Endrin | 0.014 | 2.2 | 11 | 89 | 410 | ND | | 0.000759 | ND | | 0.000721 | ND | | 0.000759 |
| Endrin aldehyde | NA | NA | NA | NA | NA | ND | | 0.00228 | ND | | 0.00216 | ND | | 0.00228 |
| Endrin ketone | NA | NA | NA | NA | NA | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Dieldrin | 0.005 | 0.039 | 0.2 | 1.4 | 2.8 | ND | | 0.00114 | ND | | 0.00108 | ND | | 0.00114 |
| 4,4'-DDE | 0.0033 | 1.8 | 8.9 | 62 | 120 | 0.000959 | J | 0.00182 | 0.000624 | JIP | 0.00173 | 0.00185 | | 0.00182 |
| 4,4'-DDD | 0.0033 | 2.6 | 13 | 92 | 180 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| 4,4'-DDT | 0.0033 | 1.7 | 7.9 | 47 | 94 | 0.00198 | IP | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Endosulfan I | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Endosulfan II | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.00182 | ND | | 0.00173 | ND | | 0.00182 |
| Endosulfan sulfate | 2.4 | 4.8 | 24 | 200 | 920 | ND | | 0.000759 | ND | | 0.000721 | ND | | 0.000759 |
| Methoxychlor | NA | NA | NA | NA | NA | ND | | 0.00342 | ND | | 0.00324 | ND | | 0.00342 |
| Toxaphene | NA | NA | NA | NA | NA | ND | | 0.0342 | ND | | 0.0324 | ND | | 0.0342 |
| cis-Chlordane | 0.094 | 0.91 | 4.2 | 24 | 47 | ND | | 0.00228 | ND | | 0.00216 | ND | | 0.00228 |
| trans-Chlordane | NA | NA | NA | NA | NA | ND | | 0.00228 | ND | | 0.00216 | ND | | 0.00228 |
| Chlordane | NA | NA | NA | NA | NA | ND | | 0.0152 | ND | | 0.0144 | ND | | 0.0152 |

**TABLE 3**

# Subsurface Soil Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SAMPLE ID: | TP-03-2FT | | | TP-04-2FT | | | TP-05-2FT | | |
| | | | | | | COLLECTION DATE: | 9/12/2023 | | | 9/12/2023 | | | 9/12/2023 | | |
| | | | | | | SAMPLE DEPTH: | 2 | | | 2 | | | 2 | | |
| | | | | | | SAMPLE MATRIX: | SOIL | | | SOIL | | | SOIL | | |
| | NY-UNRES | NY-RESR | NY-RESRR | NY-RESC | NY-RESI | | | | | | | | | | |
| ANALYTE | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1221 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1232 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1242 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1248 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1254 | 0.1 | 1 | 1 | 1 | 25 | 0.007 | J | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1260 | 0.1 | 1 | 1 | 1 | 25 | 0.0176 | J | 0.0556 | ND | | 0.0538 | **0.269** | | 0.0579 |
| Aroclor 1262 | 0.1 | 1 | 1 | 1 | 25 | ND | | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| Aroclor 1268 | 0.1 | 1 | 1 | 1 | 25 | 0.00997 | J | 0.0556 | ND | | 0.0538 | ND | | 0.0579 |
| PCBs, Total | 0.1 | 1 | 1 | 1 | 25 | 0.0346 | J | 0.0556 | ND | | 0.0538 | **0.269** | | 0.0579 |
| **METALS** | | | | | | | | | | | | | | |
| Aluminum, Total | NA | NA | NA | NA | NA | 5770 | | 9.42 | 3740 | | 8.62 | 4340 | | 9.33 |
| Antimony, Total | NA | NA | NA | NA | NA | ND | | 4.71 | 0.714 | J | 4.31 | ND | | 4.66 |
| Arsenic, Total | 13 | 16 | 16 | 16 | 16 | 6 | | 0.942 | 5.02 | | 0.862 | 5.38 | | 0.933 |
| Barium, Total | 350 | 350 | 400 | 400 | 10000 | 51.5 | | 0.942 | 55.7 | | 0.862 | 44.8 | | 0.933 |
| Beryllium, Total | 7.2 | 14 | 72 | 590 | 2700 | 0.314 | J | 0.471 | 0.323 | J | 0.431 | 0.26 | J | 0.466 |
| Cadmium, Total | 2.5 | 2.5 | 4.3 | 9.3 | 60 | 0.363 | J | 0.942 | 0.358 | J | 0.862 | 0.356 | J | 0.933 |
| Calcium, Total | NA | NA | NA | NA | NA | 24500 | | 9.42 | 98000 | | 21.6 | 39500 | | 9.33 |
| Chromium, Total | NA | NA | NA | NA | NA | 9.52 | | 0.942 | 5.54 | | 0.862 | 7.76 | | 0.933 |
| Cobalt, Total | NA | NA | NA | NA | NA | 4.34 | | 1.88 | 2.76 | | 1.72 | 3.12 | | 1.87 |
| Copper, Total | 50 | 270 | 270 | 270 | 10000 | 20.2 | | 0.942 | 16.6 | | 0.862 | 22.5 | | 0.933 |
| Iron, Total | NA | NA | NA | NA | NA | 10900 | | 4.71 | 8610 | | 4.31 | 8700 | | 4.66 |
| Lead, Total | 63 | 400 | 400 | 1000 | 3900 | **181** | | 4.71 | **261** | | 4.31 | **106** | | 4.66 |
| Magnesium, Total | NA | NA | NA | NA | NA | 7610 | | 9.42 | 34200 | | 21.6 | 8050 | | 9.33 |
| Manganese, Total | 1600 | 2000 | 2000 | 10000 | 10000 | 323 | | 0.942 | 389 | | 0.862 | 229 | | 0.933 |
| Mercury, Total | 0.18 | 0.81 | 0.81 | 2.8 | 5.7 | **0.287** | | 0.087 | **1.92** | | 0.08 | **0.346** | | 0.084 |
| Nickel, Total | 30 | 140 | 310 | 310 | 10000 | 9.93 | | 2.36 | 6.44 | | 2.16 | 7.41 | | 2.33 |
| Potassium, Total | NA | NA | NA | NA | NA | 542 | | 236 | 380 | | 216 | 379 | | 233 |
| Selenium, Total | 3.9 | 36 | 180 | 1500 | 6800 | ND | | 1.88 | ND | | 1.72 | ND | | 1.87 |
| Silver, Total | 2 | 36 | 180 | 1500 | 6800 | ND | | 0.471 | ND | | 0.431 | ND | | 0.466 |
| Sodium, Total | NA | NA | NA | NA | NA | 199 | | 188 | 552 | | 172 | 84.1 | J | 187 |
| Thallium, Total | NA | NA | NA | NA | NA | ND | | 1.88 | ND | | 1.72 | ND | | 1.87 |
| Vanadium, Total | NA | NA | NA | NA | NA | 13.4 | | 0.942 | 8.57 | | 0.862 | 9.97 | | 0.933 |
| Zinc, Total | 109 | 2200 | 10000 | 10000 | 10000 | **321** | | 4.71 | **137** | | 4.31 | 96.9 | | 4.66 |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | |
| Solids, Total | NA | NA | NA | NA | NA | 84.3 | | 0.1 | 89.8 | | 0.1 | 83.4 | | 0.1 |
| Cyanide, Total | 27 | 27 | 27 | 27 | 10000 | ND | | 1.1 | ND | | 1.1 | ND | | 1.1 |
| Chromium, Hexavalent | 1 | 22 | 110 | 400 | 800 | 0.214 | J | 0.949 | ND | | 0.891 | ND | | 0.959 |

# Subsurface Soil Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

NY-RESC: New York NYCRR Part 375 Commercial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESI: New York NYCRR Part 375 Industrial Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESR: New York NYCRR Part 375 Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-RESRR: New York NYCRR Part 375 Restricted-Residential Criteria, New York Restricted use Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.
NY-UNRES: New York NYCRR Part 375 New York Unrestricted use Criteria Criteria per 6 NYCRR Part 375 Environmental Remediation Programs, effective December 14, 2006.

Interior Borings

Qualifier Key:
NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
I - The lower value for the two columns has been reported due to obvious interference.
G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
RE - Analytical results are from sample re-extraction.
R - Analytical results are from sample re-analysis.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
S - Analytical results are from modified screening analysis.
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (ug/l) | (ug/l) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,1-Dichloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Chloroform | 7 | 7 | | **9.2** | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Carbon tetrachloride | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,2-Dichloropropane | 1 | 1 | | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 |
| Dibromochloromethane | 50 | 50 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,1,2-Trichloroethane | 1 | 1 | | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 |
| Tetrachloroethene | 5 | 5 | | ND | | 0.5 | 0.28 | J | 0.5 | 4.8 | | 0.5 | **5** | | 0.5 | ND | | 0.5 | **5.8** | | 0.5 | ND | | 0.5 |
| Chlorobenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Trichlorofluoromethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2-Dichloroethane | 0.6 | 0.6 | | ND | | 0.5 | ND | | 0.5 | 0.4 | J | 0.5 | **0.83** | | 0.5 | ND | | 0.5 | **0.8** | | 0.5 | ND | | 0.5 |
| 1,1,1-Trichloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | 0.94 | J | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Bromodichloromethane | 50 | 50 | | 1.1 | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| trans-1,3-Dichloropropene | 0.4 | 0.4 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| cis-1,3-Dichloropropene | 0.4 | 0.4 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Bromoform | 50 | 50 | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| 1,1,2,2-Tetrachloroethane | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Benzene | 1 | 1 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Toluene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Ethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Chloromethane | NA | NA | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Bromomethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Vinyl chloride | 2 | 2 | | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 |
| Chloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,1-Dichloroethene | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| trans-1,2-Dichloroethene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Trichloroethene | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | 3.3 | | 0.5 | 1.9 | | 0.5 | ND | | 0.5 | 2 | | 0.5 | ND | | 0.5 |
| 1,2-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,3-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,4-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl tert butyl ether | 10 | 10 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| p/m-Xylene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| o-Xylene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| cis-1,2-Dichloroethene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | 0.81 | J | 2.5 | ND | | 2.5 | 0.77 | J | 2.5 | ND | | 2.5 |
| Styrene | 5 | 930 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Dichlorodifluoromethane | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| Acetone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| Carbon disulfide | 60 | 60 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 2-Butanone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Methyl-2-pentanone | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 2-Hexanone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 1,2-Dibromoethane | 0.0006 | 0.0006 | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| n-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| sec-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| tert-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2-Dibromo-3-chloropropane | 0.04 | 0.04 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Isopropylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| p-Isopropyltoluene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Naphthalene | 10 | 10 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| n-Propylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2,4-Trichlorobenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,3,5-Trimethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2,4-Trimethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl Acetate | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| Cyclohexane | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 |
| Freon-113 | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl cyclohexane | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 |
| **1,4 DIOXANE BY 8270E-SIM** | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dioxane | NA | NA | | ND | | 0.147 | ND | | 0.142 | ND | | 0.147 | ND | | 0.147 | ND | | 0.144 | ND | | 0.144 | - | | - |
| **PERFLUORINATED ALKYL ACIDS BY** | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | | ND | | 0.128 | - | | - | - | | - | 0.00628 | | 0.00619 | 0.00782 | | 0.00587 | 0.00601 | | 0.00583 | - | | - |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | | 0.0174 | J | 0.064 | - | | - | - | | - | 0.00368 | | 0.00309 | 0.00942 | | 0.00294 | 0.00355 | | 0.00291 | - | | - |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | 0.00139 | J | 0.00147 | ND | | 0.00146 | - | | - |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | | - |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | | 0.0251 | J | 0.032 | - | | - | - | | - | 0.00143 | J | 0.00155 | 0.00879 | | 0.00147 | 0.000976 | J | 0.00146 | - | | - |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | | 0.00896 | J | 0.032 | - | | - | - | | - | ND | | 0.00155 | 0.00237 | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | | 0.0264 | J | 0.032 | - | | - | - | | - | ND | | 0.00155 | 0.0014 | J | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorooctanoic Acid (PFOA) | 0.0067 | 0.0067 | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | 0.00344 | | 0.00147 | ND | | 0.00146 | - | | - |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | 0.00247 | J | 0.00587 | ND | | 0.00583 | - | | - |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorononanoic Acid (PFNA) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorooctanesulfonic Acid (PFOS) | 0.0027 | 0.0027 | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorodecanoic Acid (PFDA) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | | - |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOS | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | - | - |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | - | - |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF | NA | NA | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | - | - |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11C | NA | NA | ND | | 0.128 | - | | - | - | | - | ND | | 0.00619 | ND | | 0.00587 | ND | | 0.00583 | - | - | - |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | ND | | 0.032 | - | | - | - | | - | ND | | 0.00155 | ND | | 0.00147 | ND | | 0.00146 | - | - | - |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | ND | | 0.32 | - | | - | - | | - | ND | | 0.0155 | ND | | 0.0147 | ND | | 0.0146 | - | - | - |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | ND | | 0.32 | - | | - | - | | - | ND | | 0.0155 | ND | | 0.0147 | ND | | 0.0146 | - | - | - |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | ND | | 0.064 | - | | - | - | | - | ND | | 0.00309 | ND | | 0.00294 | ND | | 0.00291 | - | - | - |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | ND | | 0.064 | - | | - | - | | - | ND | | 0.00309 | ND | | 0.00294 | ND | | 0.00291 | - | - | - |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | ND | | 0.064 | - | | - | - | | - | ND | | 0.00309 | ND | | 0.00294 | ND | | 0.00291 | - | - | - |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | ND | | 0.064 | - | | - | - | | - | ND | | 0.00309 | ND | | 0.00294 | ND | | 0.00291 | - | - | - |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | ND | | 0.16 | - | | - | - | | - | ND | | 0.00774 | ND | | 0.00734 | ND | | 0.00728 | - | - | - |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | ND | | 0.8 | - | | - | - | | - | ND | | 0.0387 | ND | | 0.0367 | ND | | 0.0364 | - | - | - |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | ND | | 0.8 | - | | - | - | | - | ND | | 0.0387 | ND | | 0.0367 | ND | | 0.0364 | - | - | - |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-chloroethyl)ether | 1 | 1 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 3,3'-Dichlorobenzidine | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4-Dinitrotoluene | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,6-Dinitrotoluene | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 4-Chlorophenyl phenyl ether | NA | NA | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 4-Bromophenyl phenyl ether | NA | NA | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Bis(2-chloroisopropyl)ether | 5 | 5 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Bis(2-chloroethoxy)methane | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Hexachlorocyclopentadiene | 5 | 5 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | - | - | - |
| Isophorone | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Nitrobenzene | 0.4 | 0.4 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| NDPA/DPA | 50 | 50 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| n-Nitrosodi-n-propylamine | NA | NA | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Bis(2-ethylhexyl)phthalate | 5 | 5 | ND | | 3 | 1.9 | J | 3 | ND | | 3 | ND | | 3 | ND | | 3 | ND | | 3 | - | - | - |
| Butyl benzyl phthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Di-n-butylphthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Di-n-octylphthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Diethyl phthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (ug/l) | (ug/l) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Dimethyl phthalate | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Biphenyl | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 4-Chloroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 3-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 4-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Dibenzofuran | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 1,2,4,5-Tetrachlorobenzene | 5 | 5 | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Acetophenone | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4,6-Trichlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| p-Chloro-m-cresol | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 2-Chlorophenol | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 2,4-Dichlorophenol | 1 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4-Dimethylphenol | 50 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Nitrophenol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 4-Nitrophenol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 2,4-Dinitrophenol | 10 | 2 | | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | - | - | - |
| 4,6-Dinitro-o-cresol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Phenol | 1 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Methylphenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 3-Methylphenol/4-Methylphenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4,5-Trichlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Carbazole | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Atrazine | 7.5 | 7.5 | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Benzaldehyde | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Caprolactam | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 2,3,4,6-Tetrachlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Acenaphthene | 20 | 20 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| 2-Chloronaphthalene | 10 | 10 | | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Fluoranthene | 50 | 50 | | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Hexachlorobutadiene | 0.5 | 0.5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | - | - | - |
| Naphthalene | 10 | 10 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(a)anthracene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(a)pyrene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.06** | **J** | 0.1 | - | - | - |
| Benzo(b)fluoranthene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.01** | **J** | 0.1 | **0.02** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(k)fluoranthene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.01** | **J** | 0.1 | **0.01** | **J** | 0.1 | **0.01** | **J** | 0.1 | - | - | - |
| Chrysene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.01** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Acenaphthylene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Anthracene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(ghi)perylene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Fluorene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Phenanthrene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Dibenzo(a,h)anthracene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Pyrene | 50 | 50 | | ND | | 0.1 | 0.04 | J | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| 2-Methylnaphthalene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Pentachlorophenol | 1 | 2 | | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| Hexachlorobenzene | 0.04 | 0.04 | | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| Hexachloroethane | 5 | 5 | | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | NA | 0.26 | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Lindane | 0.05 | 0.05 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Alpha-BHC | 0.01 | 0.01 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Beta-BHC | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Heptachlor | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Aldrin | 0 | 0 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Heptachlor epoxide | 0.03 | 0.03 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Endrin | 0 | 0 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endrin aldehyde | 5 | 5 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endrin ketone | 5 | 5 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Dieldrin | 0.004 | 0.004 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDE | 0.2 | 0.2 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDD | 0.3 | 0.3 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDT | 0.2 | 0.2 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endosulfan I | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Endosulfan II | NA | NA | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endosulfan sulfate | NA | NA | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Methoxychlor | 35 | 35 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| Toxaphene | 0.06 | 0.06 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| cis-Chlordane | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| trans-Chlordane | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Chlordane | 0.05 | 0.05 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1221 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1232 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1242 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-091423 | | | GW-MW-02-091523 | | | GW-MW-03-091523 | | | GW-MW-04-091423 | | | GW-MW-05-091423 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 9/14/2023 | | | 9/15/2023 | | | 9/15/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | | 9/14/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (ug/l) | (ug/l) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Aroclor 1248 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1254 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1260 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1262 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1268 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| PCBs, Total | NA | NA | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| **TOTAL METALS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | 2000 | | **116000** | | 50 | 1800 | | 10 | 228 | | 10 | 49.6 | | 10 | 553 | | 10 | 18.8 | | 10 | - | - | - |
| Antimony, Total | 3 | 6 | | ND | | 20 | 0.44 | J | 4 | ND | | 4 | ND | | 4 | ND | | 4 | ND | | 4 | - | - | - |
| Arsenic, Total | 25 | 50 | | **70.13** | | 2.5 | 1.67 | | 0.5 | 0.48 | J | 0.5 | 0.6 | | 0.5 | 1.85 | | 0.5 | 0.61 | | 0.5 | - | - | - |
| Barium, Total | 1000 | 2000 | | **1848** | | 2.5 | 144.6 | | 0.5 | 95.13 | | 0.5 | 93.49 | | 0.5 | 170.2 | | 0.5 | 86.44 | | 0.5 | - | - | - |
| Beryllium, Total | 3 | 3 | | **5.37** | | 2.5 | 0.11 | J | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | - | - | - |
| Cadmium, Total | 5 | 10 | | **13.38** | | 1 | 0.08 | J | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Calcium, Total | NA | NA | | 1560000 | | 500 | 142000 | | 100 | 170000 | | 100 | 179000 | | 100 | 146000 | | 100 | 167000 | | 100 | - | - | - |
| Chromium, Total | 50 | 100 | | **259.2** | | 5 | 20.84 | | 1 | **76.58** | | 1 | 7.38 | | 1 | 4.62 | | 1 | 4.43 | | 1 | - | - | - |
| Cobalt, Total | NA | NA | | 126.6 | | 2.5 | 1.74 | | 0.5 | 3.46 | | 0.5 | 0.9 | | 0.5 | 1.48 | | 0.5 | 0.74 | | 0.5 | - | - | - |
| Copper, Total | 200 | 1000 | | **494.4** | | 5 | 7.82 | | 1 | 6.76 | | 1 | 3.38 | | 1 | 5.24 | | 1 | 2.83 | | 1 | - | - | - |
| Iron, Total | 300 | 600 | | **247000** | | 250 | **2820** | | 50 | **968** | | 50 | **356** | | 50 | **1590** | | 50 | 256 | | 50 | - | - | - |
| Lead, Total | 25 | 50 | | **612.4** | | 5 | 5.07 | | 1 | 0.75 | J | 1 | 0.35 | J | 1 | 2.37 | | 1 | ND | | 1 | - | - | - |
| Magnesium, Total | 35000 | 35000 | | **477000** | | 350 | **64500** | | 70 | **56300** | | 70 | **69200** | | 70 | **51100** | | 70 | **57000** | | 70 | - | - | - |
| Manganese, Total | 300 | 600 | | **7033** | | 5 | 181.4 | | 1 | 100.4 | | 1 | 60.07 | | 1 | 95.9 | | 1 | 45.01 | | 1 | - | - | - |
| Mercury, Total | 0.7 | 1.4 | | 0.37 | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Nickel, Total | 100 | 200 | | **267.4** | | 10 | 14.9 | | 2 | 59.11 | | 2 | 7.81 | | 2 | 4.7 | | 2 | 5.29 | | 2 | - | - | - |
| Potassium, Total | NA | NA | | 27100 | | 500 | 6800 | | 100 | 5510 | | 100 | 6680 | | 100 | 16000 | | 100 | 6180 | | 100 | - | - | - |
| Selenium, Total | 10 | 20 | | **71.7** | | 25 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Silver, Total | 50 | 100 | | 1.37 | J | 2 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | - | - | - |
| Sodium, Total | 20000 | NA | | **1450000** | | 500 | **301000** | | 100 | **383000** | | 100 | **340000** | | 1000 | 614000 | | 1000 | **344000** | | 100 | - | - | - |
| Thallium, Total | 0.5 | 0.5 | | **2.37** | **J** | 5 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | - | - | - |
| Vanadium, Total | NA | NA | | 212.3 | | 25 | 3.49 | J | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Zinc, Total | 2000 | 5000 | | **3838** | | 50 | 35.78 | | 10 | 20.96 | | 10 | 10.96 | | 10 | 20.5 | | 10 | 9.31 | J | 10 | - | - | - |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | | |
| Cyanide, Total | 200 | 400 | | 14 | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Chromium, Hexavalent | 50 | 100 | | 3 | J | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| ANALYTE | (ug/l) | (ug/l) | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| **VOCs** | | | | | | | | | | | | | | | | | | | | | | | | |
| Methylene chloride | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,1-Dichloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Chloroform | 7 | 7 | | **8.4** | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Carbon tetrachloride | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,2-Dichloropropane | 1 | 1 | | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 |
| Dibromochloromethane | 50 | 50 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,1,2-Trichloroethane | 1 | 1 | | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 | ND | | 1.5 |
| Tetrachloroethene | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | **5** | | 0.5 | 3.4 | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Chlorobenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Trichlorofluoromethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2-Dichloroethane | 0.6 | 0.6 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | **0.64** | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,1,1-Trichloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | 0.9 | J | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Bromodichloromethane | 50 | 50 | | 0.88 | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| trans-1,3-Dichloropropene | 0.4 | 0.4 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| cis-1,3-Dichloropropene | 0.4 | 0.4 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Bromoform | 50 | 50 | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| 1,1,2,2-Tetrachloroethane | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Benzene | 1 | 1 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| Toluene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Ethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Chloromethane | NA | NA | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Bromomethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Vinyl chloride | 2 | 2 | | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 |
| Chloroethane | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,1-Dichloroethene | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| trans-1,2-Dichloroethene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Trichloroethene | 5 | 5 | | ND | | 0.5 | ND | | 0.5 | 3.1 | | 0.5 | 2 | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 |
| 1,2-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,3-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,4-Dichlorobenzene | 3 | 3 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl tert butyl ether | 10 | 10 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| p/m-Xylene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| o-Xylene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| cis-1,2-Dichloroethene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Styrene | 5 | 930 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Dichlorodifluoromethane | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| Acetone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| Carbon disulfide | 60 | 60 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 2-Butanone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| 4-Methyl-2-pentanone | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 2-Hexanone | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 |
| 1,2-Dibromoethane | 0.0006 | 0.0006 | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| n-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| sec-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| tert-Butylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2-Dibromo-3-chloropropane | 0.04 | 0.04 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Isopropylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| p-Isopropyltoluene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Naphthalene | 10 | 10 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| n-Propylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2,4-Trichlorobenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,3,5-Trimethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| 1,2,4-Trimethylbenzene | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl Acetate | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 |
| Cyclohexane | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 |
| Freon-113 | 5 | 5 | | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 | ND | | 2.5 |
| Methyl cyclohexane | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 |
| **1,4 DIOXANE BY 8270E-SIM** | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,4-Dioxane | NA | NA | | ND | | 0.147 | ND | | 0.147 | ND | | 0.144 | ND | | 0.147 | ND | | 0.142 | ND | | 0.147 | - | | - |
| **PERFLUORINATED ALKYL ACIDS BY** | | | | | | | | | | | | | | | | | | | | | | | | |
| Perfluorobutanoic Acid (PFBA) | NA | NA | | - | | - | ND | | 0.064 | 0.00722 | | 0.00588 | - | | - | - | | - | - | | - | - | | - |
| Perfluoropentanoic Acid (PFPeA) | NA | NA | | - | | - | ND | | 0.032 | 0.00529 | | 0.00294 | - | | - | - | | - | - | | - | - | | - |
| Perfluorobutanesulfonic Acid (PFBS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| 1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS) | NA | NA | | - | | - | ND | | 0.064 | ND | | 0.00588 | - | | - | - | | - | - | | - | - | | - |
| Perfluorohexanoic Acid (PFHxA) | NA | NA | | - | | - | ND | | 0.016 | 0.00206 | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluoropentanesulfonic Acid (PFPeS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluoroheptanoic Acid (PFHpA) | NA | NA | | - | | - | ND | | 0.016 | 0.000544 | J | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorohexanesulfonic Acid (PFHxS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorooctanoic Acid (PFOA) | 0.0067 | 0.0067 | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| 1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS) | NA | NA | | - | | - | ND | | 0.064 | ND | | 0.00588 | - | | - | - | | - | - | | - | - | | - |
| Perfluoroheptanesulfonic Acid (PFHpS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorononanoic Acid (PFNA) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorooctanesulfonic Acid (PFOS) | 0.0027 | 0.0027 | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorodecanoic Acid (PFDA) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| 1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS) | NA | NA | | - | | - | ND | | 0.064 | ND | | 0.00588 | - | | - | - | | - | - | | - | - | | - |
| Perfluorononanesulfonic Acid (PFNS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOS | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluoroundecanoic Acid (PFUnA) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |
| Perfluorodecanesulfonic Acid (PFDS) | NA | NA | | - | | - | ND | | 0.016 | ND | | 0.00147 | - | | - | - | | - | - | | - | - | | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | (ug/l) | (ug/l) | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Perfluorooctanesulfonamide (PFOSA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluorododecanoic Acid (PFDoA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluorotridecanoic Acid (PFTrDA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluorotetradecanoic Acid (PFTeDA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| Hexafluoropropylene Oxide Dimer Acid (HFPO-DA) | NA | NA | - | | - | ND | | 0.064 | ND | | 0.00588 | - | - | - | - | - | - | - | | - | - | - | - |
| 4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA) | NA | NA | - | | - | ND | | 0.064 | ND | | 0.00588 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluorododecanesulfonic Acid (PFDoS) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| 9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF | NA | NA | - | | - | ND | | 0.064 | ND | | 0.00588 | - | - | - | - | - | - | - | | - | - | - | - |
| 11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11C | NA | NA | - | | - | ND | | 0.064 | ND | | 0.00588 | - | - | - | - | - | - | - | | - | - | - | - |
| N-Methyl Perfluorooctane Sulfonamide (NMeFOSA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA) | NA | NA | - | | - | ND | | 0.016 | ND | | 0.00147 | - | - | - | - | - | - | - | | - | - | - | - |
| N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE) | NA | NA | - | | - | ND | | 0.16 | ND | | 0.0147 | - | - | - | - | - | - | - | | - | - | - | - |
| N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE) | NA | NA | - | | - | ND | | 0.16 | ND | | 0.0147 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluoro-3-Methoxypropanoic Acid (PFMPA) | NA | NA | - | | - | ND | | 0.032 | ND | | 0.00294 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluoro-4-Methoxybutanoic Acid (PFMBA) | NA | NA | - | | - | ND | | 0.032 | ND | | 0.00294 | - | - | - | - | - | - | - | | - | - | - | - |
| Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA) | NA | NA | - | | - | ND | | 0.032 | ND | | 0.00294 | - | - | - | - | - | - | - | | - | - | - | - |
| Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA) | NA | NA | - | | - | ND | | 0.032 | ND | | 0.00294 | - | - | - | - | - | - | - | | - | - | - | - |
| 3-Perfluoropropyl Propanoic Acid (3:3FTCA) | NA | NA | - | | - | ND | | 0.08 | ND | | 0.00735 | - | - | - | - | - | - | - | | - | - | - | - |
| 2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA) | NA | NA | - | | - | ND | | 0.4 | ND | | 0.0368 | - | - | - | - | - | - | - | | - | - | - | - |
| 3-Perfluoroheptyl Propanoic Acid (7:3FTCA) | NA | NA | - | | - | ND | | 0.4 | ND | | 0.0368 | - | - | - | - | - | - | - | | - | - | - | - |
| **SVOCs** | | | | | | | | | | | | | | | | | | | | | | | |
| Bis(2-chloroethyl)ether | 1 | 1 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 3,3'-Dichlorobenzidine | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4-Dinitrotoluene | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,6-Dinitrotoluene | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 4-Chlorophenyl phenyl ether | NA | NA | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 4-Bromophenyl phenyl ether | NA | NA | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Bis(2-chloroisopropyl)ether | 5 | 5 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Bis(2-chloroethoxy)methane | 5 | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Hexachlorocyclopentadiene | 5 | 5 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | - | - | - |
| Isophorone | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Nitrobenzene | 0.4 | 0.4 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| NDPA/DPA | 50 | 50 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| n-Nitrosodi-n-propylamine | NA | NA | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Bis(2-ethylhexyl)phthalate | 5 | 5 | ND | | 3 | ND | | 3 | ND | | 3 | ND | | 3 | ND | | 3 | ND | | 3 | - | - | - |
| Butyl benzyl phthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Di-n-butylphthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Di-n-octylphthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Diethyl phthalate | 50 | 50 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
# Hope on Main - 954 Main Street
# Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Dimethyl phthalate | 50 | 50 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Biphenyl | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 4-Chloroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 3-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 4-Nitroaniline | 5 | 5 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Dibenzofuran | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 1,2,4,5-Tetrachlorobenzene | 5 | 5 | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Acetophenone | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4,6-Trichlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| p-Chloro-m-cresol | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 2-Chlorophenol | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| 2,4-Dichlorophenol | 1 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4-Dimethylphenol | 50 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Nitrophenol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 4-Nitrophenol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 2,4-Dinitrophenol | 10 | 2 | | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | ND | | 20 | - | - | - |
| 4,6-Dinitro-o-cresol | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Phenol | 1 | 2 | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2-Methylphenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 3-Methylphenol/4-Methylphenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| 2,4,5-Trichlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Carbazole | NA | NA | | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | ND | | 2 | - | - | - |
| Atrazine | 7.5 | 7.5 | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| Benzaldehyde | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Caprolactam | NA | NA | | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | ND | | 10 | - | - | - |
| 2,3,4,6-Tetrachlorophenol | NA | NA | | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Acenaphthene | 20 | 20 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.02 | J | 0.1 | ND | | 0.1 | - | - | - |
| 2-Chloronaphthalene | 10 | 10 | | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Fluoranthene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | - | - | - |
| Hexachlorobutadiene | 0.5 | 0.5 | | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | - | - | - |
| Naphthalene | 10 | 10 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(a)anthracene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.02** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(a)pyrene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | **0.04** | **J** | 0.1 | ND | | 0.1 | **0.03** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(b)fluoranthene | 0.002 | 0.002 | | ND | | 0.1 | **0.02** | **J** | 0.1 | **0.04** | **J** | 0.1 | ND | | 0.1 | **0.04** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(k)fluoranthene | 0.002 | 0.002 | | ND | | 0.1 | **0.01** | **J** | 0.1 | **0.02** | **J** | 0.1 | ND | | 0.1 | **0.02** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Chrysene | 0.002 | 0.002 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | **0.02** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Acenaphthylene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Anthracene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.02 | J | 0.1 | ND | | 0.1 | - | - | - |
| Benzo(ghi)perylene | NA | NA | | ND | | 0.1 | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Fluorene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | - | - | - |
| Phenanthrene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.04 | J | 0.1 | ND | | 0.1 | - | - | - |
| Dibenzo(a,h)anthracene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | - | - | - |
| Indeno(1,2,3-cd)pyrene | 0.002 | 0.002 | | ND | | 0.1 | **0.01** | **J** | 0.1 | **0.03** | **J** | 0.1 | ND | | 0.1 | **0.03** | **J** | 0.1 | ND | | 0.1 | - | - | - |
| Pyrene | 50 | 50 | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.03 | J | 0.1 | ND | | 0.1 | - | - | - |
| 2-Methylnaphthalene | NA | NA | | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | ND | | 0.1 | 0.04 | J | 0.1 | ND | | 0.1 | - | - | - |
| Pentachlorophenol | 1 | 2 | | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| Hexachlorobenzene | 0.04 | 0.04 | | ND | | 0.8 | 0.02 | J | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| Hexachloroethane | 5 | 5 | | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | ND | | 0.8 | - | - | - |
| **HERBICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,4,5-TP (Silvex) | NA | 0.26 | | | | | | | | | | | | | | | | | | | | | | |
| **PESTICIDES** | | | | | | | | | | | | | | | | | | | | | | | | |
| Delta-BHC | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Lindane | 0.05 | 0.05 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Alpha-BHC | 0.01 | 0.01 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Beta-BHC | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Heptachlor | 0.04 | 0.04 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Aldrin | 0 | 0 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Heptachlor epoxide | 0.03 | 0.03 | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Endrin | 0 | 0 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endrin aldehyde | 5 | 5 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endrin ketone | 5 | 5 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Dieldrin | 0.004 | 0.004 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDE | 0.2 | 0.2 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDD | 0.3 | 0.3 | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| 4,4'-DDT | 0.2 | 0.2 | | ND | | 0.029 | 0.049 | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endosulfan I | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Endosulfan II | NA | NA | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Endosulfan sulfate | NA | NA | | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | ND | | 0.029 | - | - | - |
| Methoxychlor | 35 | 35 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| Toxaphene | 0.06 | 0.06 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| cis-Chlordane | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| trans-Chlordane | NA | NA | | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | ND | | 0.014 | - | - | - |
| Chlordane | 0.05 | 0.05 | | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | ND | | 0.143 | - | - | - |
| **POLYCHLORINATED BIPHENYLS** | | | | | | | | | | | | | | | | | | | | | | | | |
| Aroclor 1016 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1221 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1232 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1242 | 0.09 | 0.09 | | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |

**TABLE 4**

# Groundwater Data Summary
## Hope on Main - 954 Main Street
## Brownfield Cleanup Program

| | | SAMPLE ID: | GW-MW-01-101723 | | | GW-MW-02-101723 | | | GW-MW-03-101723 | | | GW-MW-04-101723 | | | GW-MW-05-101723 | | | GW-DUP | | | TRIP BLANK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | COLLECTION DATE: | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | | 10/17/2023 | | |
| | | SAMPLE MATRIX: | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | | WATER | | |
| | NY-AWQS | NY-TOGS-GA | | | | | | | | | | | | | | | | | | | | | |
| **ANALYTE** | **(ug/l)** | **(ug/l)** | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL | Result | Flg | RL |
| Aroclor 1248 | 0.09 | 0.09 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1254 | 0.09 | 0.09 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1260 | 0.09 | 0.09 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1262 | 0.09 | 0.09 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| Aroclor 1268 | 0.09 | 0.09 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| PCBs, Total | NA | NA | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | ND | | 0.071 | - | - | - |
| **TOTAL METALS** | | | | | | | | | | | | | | | | | | | | | | | |
| Aluminum, Total | NA | 2000 | 1780 | | 10 | 1610 | | 10 | 124 | | 10 | 117 | | 10 | 385 | | 10 | 351 | | 10 | - | - | - |
| Antimony, Total | 3 | 6 | ND | | 4 | ND | | 4 | ND | | 4 | ND | | 4 | ND | | 4 | ND | | 4 | - | - | - |
| Arsenic, Total | 25 | 50 | 1.68 | | 0.5 | 1.7 | | 0.5 | 0.42 | J | 0.5 | 0.9 | | 0.5 | 3.42 | | 0.5 | 3.23 | | 0.5 | - | - | - |
| Barium, Total | 1000 | 2000 | 316.6 | | 0.5 | 89.43 | | 0.5 | 95.6 | | 0.5 | 80.76 | | 0.5 | 174.1 | | 0.5 | 178 | | 0.5 | - | - | - |
| Beryllium, Total | 3 | 3 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | ND | | 0.5 | - | - | - |
| Cadmium, Total | 5 | 10 | 0.27 | | 0.2 | 0.07 | J | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Calcium, Total | NA | NA | 274000 | | 100 | 162000 | | 100 | 180000 | | 100 | 181000 | | 100 | 157000 | | 100 | 154000 | | 100 | - | - | - |
| Chromium, Total | 50 | 100 | 6.82 | | 1 | 5.05 | | 1 | 3.25 | | 1 | 8.14 | | 1 | 3.82 | | 1 | 4.23 | | 1 | - | - | - |
| Cobalt, Total | NA | NA | 2.78 | | 0.5 | 1.67 | | 0.5 | 0.47 | J | 0.5 | 1.12 | | 0.5 | 0.95 | | 0.5 | 0.92 | | 0.5 | - | - | - |
| Copper, Total | 200 | 1000 | 17.13 | | 1 | 10.88 | | 1 | 2.72 | | 1 | 4.62 | | 1 | 4.64 | | 1 | 4.68 | | 1 | - | - | - |
| Iron, Total | 300 | 600 | **2580** | | 50 | **2630** | | 50 | 298 | | 50 | **304** | | 50 | **2500** | | 50 | **2420** | | 50 | - | - | - |
| Lead, Total | 25 | 50 | 7.47 | | 1 | 5.14 | | 1 | 0.61 | J | 1 | 0.59 | J | 1 | 3.3 | | 1 | 3.43 | | 1 | - | - | - |
| Magnesium, Total | 35000 | 35000 | **107000** | | 70 | **79700** | | 70 | **63500** | | 70 | **65700** | | 70 | **56600** | | 70 | **55100** | | 70 | - | - | - |
| Manganese, Total | 300 | 600 | 98.04 | | 1 | 115.3 | | 1 | 12.33 | | 1 | 74.12 | | 1 | 66.74 | | 1 | 66.03 | | 1 | - | - | - |
| Mercury, Total | 0.7 | 1.4 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | ND | | 0.2 | - | - | - |
| Nickel, Total | 100 | 200 | 10.19 | | 2 | 4.46 | | 2 | 5.69 | | 2 | 8.23 | | 2 | 4.09 | | 2 | 4.27 | | 2 | - | - | - |
| Potassium, Total | NA | NA | 8220 | | 100 | 9770 | | 100 | 5830 | | 100 | 6550 | | 100 | 17200 | | 100 | 17600 | | 100 | - | - | - |
| Selenium, Total | 10 | 20 | 2.14 | J | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Silver, Total | 50 | 100 | 0.2 | J | 0.4 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | ND | | 0.4 | - | - | - |
| Sodium, Total | 20000 | NA | 1710000 | | 2000 | **295000** | | 100 | **413000** | | 100 | **377000** | | 100 | 650000 | | 500 | 672000 | | 500 | - | - | - |
| Thallium, Total | 0.5 | 0.5 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | ND | | 1 | - | - | - |
| Vanadium, Total | NA | NA | 1.8 | J | 5 | 3.05 | J | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | - | - | - |
| Zinc, Total | 2000 | 5000 | 58.81 | | 10 | 35.54 | | 10 | 8.8 | J | 10 | 18.96 | | 10 | 17.37 | | 10 | 17.13 | | 10 | - | - | - |
| **GENERAL CHEMISTRY** | | | | | | | | | | | | | | | | | | | | | | | |
| Cyanide, Total | 200 | 400 | 11 | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | ND | | 5 | | | | | | |
| Chromium, Hexavalent | 50 | 100 | | | | | | | | | | | | | | | | | | | | | |

EPA-TCLP: EPA Toxicity Characteristic (TCLP) Regulatory Levels Criteria per 40CFR Part 261 as of September 10, 2015.

Qualifier Key:
NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
I - The lower value for the two columns has been reported due to obvious interference.
G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
RE - Analytical results are from sample re-extraction.
R - Analytical results are from sample re-analysis.
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
P - The RPD between the results for the two columns exceeds the method-specified criteria.
U - Not detected at the reported detection limit for the sample.
M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
S - Analytical results are from modified screening analysis.
B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

# APPENDICES

# APPENDIX A

## HEALTH AND SAFETY PLAN

# Health and Safety Plan for Brownfield Site Investigation And Interim Remedial Measures

# Hope On Main Site
# 954 and 1000 Main Street
# Buffalo, NY 14203

Prepared by

C&S Engineers, Inc.
141 Elm Street, Suite 100
Buffalo, New York 14203

November 2022

## DISCLAIMER

This document will address health and safety considerations for all those activities that personnel employed by C&S Engineers, Inc., may be engaged in during site investigation and remediation work. Every contractor is expected to prepare and implement their own site-specific health and safety plan. This document may be used as a general outline to inform the creation of other health and safety plans for this NYSDEC Brownfield site.

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## FIGURES

Figure 1 Site Location

Figure 2 Site Aerial Photo

## ATTACHMENTS

Attachment A – Map and Directions to Hospital

## APPENDICES

Appendix A – Excavation/Trenching Guideline

Appendix B – Guidance on Incident Investigation and Reporting

## SECTION 1 – GENERAL INFORMATION

The Health and Safety Plan (HASP) described in this document will address health and safety considerations for all those activities that personnel employed by C&S Engineers, Inc., may be engaged in during site investigation and remediation work at the 301 Connecticut Street Site located in Buffalo, Erie County, New York (Site). Figure 1 shows the approximate location of the Site. This HASP will be implemented by the Health and Safety Officer (HSO) during site work.

Compliance with this HASP is required of all C&S personnel who enter this Site. The content of the HASP may change or undergo revision based upon additional information made available to the health, safety, and training (H&S) committee, monitoring results or changes in the technical scope of work. Any changes proposed must be reviewed by the H&S committee.

**Responsibilities**

| | |
|---|---|
| Project Manager…….. | Daniel Riker<br>Phone: (716) 847-163<br>Cell: (716) 572-5312 |
| Site Health and Safety Officer…….. | Cody Martin<br>Phone: (716) 847-163<br>Cell: (716) 864-3752 |
| Emergency Coordinator…….. | Cody Martin<br>Phone: (716) 847-163<br>Cell: (716) 864-3752 |
| Health and Safety Manager…….. | Cody Martin<br>Phone: (716) 847-163<br>Cell: (716) 864-3752 |

**Emergency Phone Numbers**

Emergency Medical Service.....911

Police: Buffalo Police Department (NYPD).....911

Hospital: Buffalo General Hospital .....(716) 859-5600
Fire: Buffalo Fire Department .....911
National Response Center .....(800) 424-8802
Poison Control Center .....(800) 222-1222
Center for Disease Control .....(800) 311-3435
NYSDEC Region 9 (Buffalo, New York) .....(716) 851-7220
C&S Engineers .....(716) 847-1630
Site Superintendent ..... TBD
Project Field Office Trailer .....(716) 847-1630

# SECTION 2 - HEALTH AND SAFETY PERSONNEL

## 2.0 Health and Safety Personnel Designations

The following information briefly describes the health and safety designations and general responsibilities for this Site.

## 2.1 Project Manager (PM)

The PM is responsible for the overall project including the implementation of the HASP. Specifically, this includes allocating adequate manpower, equipment, and time resources to conduct Site activities safely.

## 2.2 Health and Safety Manager

- Has the overall responsibility for coordinating and reporting all health and safety activities and the health and safety of Site Workers.
- Must have completed, at a minimum, the OSHA 30-Hour Construction Safety Training, and either the 24-Hour training course for the Occasional Hazardous Waste Site Worker or the 40-Hour training course for the Hazardous Waste Operations Worker that meets OHSA 29 CFR 1910.

- Must have completed the 8-Hour Site supervisor/manager's course for supervisors and managers having responsibilities for hazardous waste Site operations and management.
- Directs and coordinates health and safety monitoring activities.
- Ensures that field teams utilize proper personal protective equipment (PPE).
- Conducts initial on-site specific training prior to Site Workers commencing work.
- Conducts and documents daily and periodic safety briefings.
- Ensures that field team members comply with this HASP.
- Immediately notifies the Construction Manager (CM) Project Manager and Superintendent of all accident/incidents.
- Determines upgrading or downgrading of PPE based on Site conditions and/or real time monitoring results.
- Ensures that monitoring instruments are calibrated daily or as the manufacturer's instructions determine.
- Reports to the CM Project Manager and Superintendent to provide summaries of field operations and progress.
- Submits and maintains all documentation required in this HASP and any other pertinent health and safety documentation.

## 2.3 Health and Safety Officer (HSO)

- Must be designated to the Health and Safety Manager by each Subcontractor as a Competent Person having, at a minimum, the OSHA 30-Hour Construction Safety Training

- Must schedule and attend a Pre-Construction Safety Meeting with the Health and Safety Manager to discuss the Subcontractor Safety Requirements and must attend the Weekly Subcontractor Coordination Meeting.

- Responsible for ensuring that their lower tier contractors comply with project safety requirements.

- Must make frequent and regular inspections of their work areas and activities and ensure hazards that are under their control are corrected immediately and all other hazards are reported to the Construction Manager's Project Manager and Health and Safety Manager.

- Must report all work related injuries, regardless of severity, to the Construction Manager's Project Manager and the Health and Safety Manager within 24 hours after they occur.

## 2.4 Emergency Coordinator

- The Emergency Coordinator or his on-site designee will, in coordination with 201 Ellicott, LLC., implement the emergency response procedures whenever conditions at the Site warrant such action.

- The Emergency Coordinator or his on-site designee will be responsible for assuring the evacuation, emergency treatment, emergency transport of C&S personnel as necessary, and notification of emergency response units (refer to phone listing in the beginning of this HASP) and the appropriate management staff.

## 2.5 Site Workers

- Report any unsafe or potentially hazardous conditions to the Health and Safety Manager.

- Maintain knowledge of the information, instructions, and emergency response actions contained in the HASP.
- Comply with rules, regulations, and procedures as set forth in this HASP, including any revisions that are instituted.
- Prevent unauthorized personnel from entering work Site.

# SECTION 3 - PERTINENT SITE INFORMATION

## 3.1 Site Location and General History

The Site is comprised of two parcels: 954 Main Street (SBL: 100.78-6-1.1) and 1000 Main Street (SBL: 100.71-6-6.1) are approximately 2.88 acres.

*Site History and Suspect Recognized Environmental Conditions*

According to historical records, the Site was initially occupied by residential homes. The property at 978 Main Street contained a gas station from the 1930s to the 1960s. The property at 988 Main Street contained an auto repair shop from 1946 to the 1950s. After 1960, the gas station at 978 Main Street was demolished for a hotel that operated from 1964 to 1998. The auto repair shop was demolished after 1951. The office and day care building at 1000 Main Street was constructed in 2001.

Contamination at the Site appears to be from the placement of historic fill material throughout the years as property uses changed along Main Street and buildings were built and/or demolished.

Based upon investigations conducted to date, the primary contaminants of concern in the surface and subsurface soil include SVOCs/PAHs and metals. These contaminants are found in surface soils and the fill material to depths of four feet. SVOCs and metals with the highest exceedances in surface soil were detected in the sample taken adjacent to the Salvation Army building. SVOC and metals in subsurface soil were widespread, with the highest exceedances in the one to two-foot depths.

The highest SVOC exceedances marginally exceed Residential Use, Restricted Residential Use, Commercial Use, and Industrial Use SCOs. Metals are also widespread throughout the Site. Lead, mercury and zinc were found to exceed Unrestricted Use SCOs. One location in the parking lot behind the office and day care building contained manganese above Industrial Use SCOs.

The fill material appears to be a mixture of soil types (sand, silt and or clay), ash, coal, gravel and construction demolition debris. The native soil is a silt and clay.

Surface Soil

- SVOCs were detected at concentrations greater than laboratory detection limits in all four of the samples.
    - There were two benzo(k)fluoranthene concentrations that were greater than Unrestricted Use SCOs in SS-01 and SS-03.
    - There were three chrysene concentrations that were greater than Residential Use SCOs in SS-01 and SS-03.
    - The number of contaminant concentrations that were greater than Restricted-Residential Use SCOs included three in SS-01, two in SS-02, three in SS-03, and three in SS-04. Contaminants included benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene and indeno(1,2,3-cd)pyrene.
    - The number of contaminant concentrations that were greater than Industrial Use SCOs included one in SS-01, five in SS-02, one in SS-03, and one in SS-04. Contaminants included benzo[a]anthracene, benzo(a)pyrene, benzo(b)fluoranthene, di-n-butyl phthalate and indeno(1,2,3-cd)pyrene.
- PCBs were not detected at concentrations greater than laboratory limits in all the samples.
- Metals were detected at concentrations greater than laboratory detection limits in all the samples.
    - The number of contaminant concentrations that were greater than Unrestricted Use SCOs included one in SS-01, two in SS-02, two in SS-03, and two in SS-04. Contaminants included lead and zinc.
    - Mercury concentration exceeded the Restricted Residential Use SCO in SS-02.

Subsurface Soil

- VOCs were detected at concentrations greater than laboratory detection limits all of the six samples. However, none of the concentrations exceeded a SCO.
- SVOCs were detected at concentrations greater than laboratory detection limits in three of the six samples.

- There was benzo(k)fluoranthene concentrations that were greater than Unrestricted Use SCOs in EB-04 at 1-2 feet.
- There were three benzo(k)fluoranthene and chrysene concentrations that were greater than Residential Use SCOs in EB-02, EB-04 and EB-05.
- The number of contaminant concentrations that were greater than Restricted-Residential Use SCOs included four in EB-02, three in EB-04, and four in EB-05. Contaminants included benzo(a)anthracene, benzo(b)fluoranthene, dibenz(a,h)anthracene and indeno(1,2,3-cd)pyrene.
- There was benzo(a)pyrene concentrations that were greater than Industrial Use SCOs in EB-02, EB-04 and EB-05 at one to four feet.

- PCBs were not detected at concentrations greater than laboratory limits in all the samples.
- Metals were detected at concentrations greater than laboratory detection limits and greater than at least one SCO in all of the six samples.
  - The number of contaminant concentrations that were greater than Unrestricted Use SCOs included two in EB-03, three in EB-02, three in EB-04, three in EB-05, three in EB-07 and one in EB-06. Contaminants included mercury, copper, lead and zinc.
  - Cadmium was detected at concentrations greater than the Residential Use SCO in EB-04 at one to two feet bgs.
  - Manganese was detected at concentrations greater than the Industrial Use SCO in EB-04 at one to two feet bgs.

Groundwater

At this time, groundwater at this Site have not been characterized.

# SECTION 5 - TRAINING

## 5.1 Site-specific Training

Training will be provided that specifically addresses the activities, procedures, monitoring, and equipment for the Site operations prior to going on site. Training will include familiarization with Site and facility layout, known and potential hazards, and emergency services at the Site, and details all provisions contained within this HASP. This training will

also allow Site Workers to clarify anything they do not understand and to reinforce their responsibilities regarding safety and operations for their particular activity.

### 5.2 Safety Briefings

C&S project personnel will be given briefings by the HSO on a daily or as needed basis to further assist Site Workers in conducting their activities safely. Pertinent information will be provided when new operations are to be conducted. Changes in work practices must be implemented due to new information made available, or if Site or environmental conditions change. Briefings will also be given to facilitate conformance with prescribed safety practices. When conformance with these practices is not occurring or if deficiencies are identified during safety audits, the project manager will be notified.

## SECTION 6 - PERSONAL PROTECTIVE EQUIPMENT

### 6.1 General

The level of protection to be worn by field personnel will be defined and controlled by the HSO. Depending upon the type and levels of material present or anticipated at the site, varying degrees of protective equipment will be needed. If the possible hazards are unknown, a reasonable level of protection will be taken until sampling and monitoring results can ascertain potential risks. The levels of protection listed below are based on USEPA Guidelines. A list of the appropriate clothing for each level is also provided.

Level A protection must be worn when a reasonable determination has been made that the highest available level of respiratory, skin, eye, and mucous membrane protection is needed. It should be noted that while Level A provides maximum available protection, it does not protect against all possible hazards. Consideration of the heat stress that can arise from wearing Level A protection should also enter into the decision making process. Level A protection includes:

- Open circuit, pressure-demand self-contained breathing apparatus (SCBA)
- Totally encapsulated chemical resistant suit

- Gloves, inner (surgical type)
- Gloves, outer, chemical protective
- Boots, chemical protective

Level B protection must be used when the highest level of respiratory protection is needed, but hazardous material exposure to the few unprotected areas of the body (e.g., the back of the neck) is unlikely. Level B protection includes:

- Open circuit, pressure-demand SCBA or pressure airline with escape air bottle
- Chemical protective clothing: Overalls and long sleeved jacket; disposal chemical resistant coveralls; coveralls; one or two piece chemical splash suit with hood
- Gloves, inner (surgical type)
- Gloves, outer, chemical protective
- Boots, chemical protective

Level C must be used when the required level of respiratory protection is known, or reasonably assumed to be, not greater than the level of protection afforded by air purifying respirators; and hazardous materials exposure to the few unprotected areas of the body (e.g.., the back of the neck) is unlikely. Level C protection includes:

- Full or half face air-purifying respirator
- Chemical protective clothing: Overalls and long-sleeve jacket; disposable chemical resistant coveralls; coveralls; one or two piece chemical splash suit
- Gloves, inner (surgical type)
- Gloves, outer, chemical protective
- Boots, chemical protective

Level D is the basic work uniform. It cannot be worn on any site where respiratory or skin hazards exist. Level D protection includes:

- Safety boots/shoes
- Safety glasses
- Hard hat with optional face shield

Note that the use of SCBA and airline equipment is contingent upon the user receiving special training in the proper use and maintenance of such equipment.

### 6.2 Personal Protective Equipment – Site Specific

Level D with some modification will be required when working in the work zone on this Site. In addition to the basic work uniform specified by Level D protection, Nitrile gloves will be required when contact with soil or ground water is likely. Hearing protection will be worn when power equipment is used to perform subsurface investigation work. An upgrade to a higher level (Level C) of protection may occur if determined necessary by the HSO.

## SECTION 7 - MONITORING PROCEDURES

### 7.1 Monitoring During Site Operations

All Site environmental monitoring should be accompanied by periodic meteorological monitoring of appropriate climatic conditions.

#### 7.1.1 Drilling Operations (Monitoring Well Installation and Subsurface Borings) and Test Pit Excavations

Monitoring will be performed by the HSO or drilling observer during the conduct of work. A photoionization detector (PID) equipped with a 10.0 eV lamp will be utilized to monitor for the presence of volatile organic vapors within the breathing zone, the borehole, and subsurface samples upon their retrieval. Drill cuttings and excavation spoils will also be monitored by use of the PID. The PID will be field checked for calibration accuracy three times per day (morning, lunch, and end of day. If subsurface conditions warrant, a combustible gas indicator (CGI) with oxygen alarm may also be used to monitor the borehole for the presence of combustible gases. Similar monitoring of fluids produced during well development will also be conducted.

7.1.2 Interim Remedial Measures

If future Interim Remedial Measures (IRM) occurs, monitoring will be performed during excavation and sampling operations when C&S personnel are within the work zone. Although historical information previously obtained at the Site indicates low level of volatile organic vapors and compounds, a photoionization detector (PID) will be used during subsurface activities. If an IRM is performed, the, the remedial contractor will be required to employ dust control practices during work.

### 7.2 Action Levels

If readings on the PID exceed 10 ppm for more than fifteen minutes consecutively, then personal protective equipment should be upgraded to Level C. The air purifying respirator used with Level C protective equipment must be equipped with organic vapor cartridges. If readings on the explosive gas meter are within a range of 10%-25% of the LEL then continuous monitoring will be implemented. Readings above 25% of the LEL indicate the potential for an explosive condition. Sources of ignition should be removed and the Site should be evacuated.

### 7.3 Personal Monitoring Procedures

Personal monitoring shall be performed as a contingency measure in the event that VOC concentrations are consistently above the 10 ppm action level as detected by the PID. If the concentration of VOCs is above this action level, then amendments to the HASP must be made before work can continue at the Site.

## SECTION 8 - COMMUNICATIONS

A phone will be located on Site to be utilized by personnel conducting investigation and IRM efforts. Cell phones will be the primary means of communicating with emergency support services/facilities.

# SECTION 9 - SAFETY CONSIDERATIONS FOR SITE OPERATIONS

## 9.1 General

Standard safe work practices that will be followed include:

- Do not climb over/under drums, or other obstacles.
- Do not enter the work zone alone.
- Practice contamination avoidance, on and off-site.
- Plan activities ahead of time, use caution when conducting concurrently running activities.
- No eating, drinking, chewing or smoking is permitted in work zones.
- Due to the unknown nature of waste placement at the Site, extreme caution should be practiced during excavation activities.
- Apply immediate first aid to any and all cuts, scratches, abrasions, etc.
- Be alert to your own physical condition. Watch your buddy for signs of fatigue, exposure, etc.
- A work/rest regimen will be initiated when ambient temperatures and protective clothing create a potential heat stress situation.
- No work will be conducted without adequate natural light or without appropriate supervision.
- Task safety briefings will be held prior to onset of task work.
- Ignition of flammable liquids within or through improvised heating devices (barrels, etc.) or space heaters is forbidden.
- Entry into areas of spaces where toxic or explosive concentrations of gases or dust may exist without proper equipment is prohibited.
- Any injury or unusual health effect must be reported to the Site health and safety officer.
- Prevent splashing or spilling of potentially contaminated materials.
- Use of contact lenses is prohibited while on site.
- Beards and other facial hair that would impair the effectiveness of respiratory protection are prohibited if respiratory protection is necessary.
- Field crew members should be familiar with the physical characteristics of investigations, including:

- Wind direction in relation to potential sources
- Accessibility to co-workers, equipment, and vehicles
- Communication
- Hot zones (areas of known or suspected contamination)
- Site access
- Nearest water sources

- The number of personnel and equipment in potentially contaminated areas should be minimized consistent with site operations.

### 9.2 Field Operations

#### 9.2.1 Intrusive Operations

The HSO or designee will be present on-site during all intrusive work, e.g., drilling operations, excavations, trenching, and will provide monitoring to oversee that appropriate levels of protection and safety procedures are utilized by C&S Engineers, Inc., personnel. The use of salamanders or other equipment with an open flame is prohibited and the use of protective clothing, especially hard hats and boots, will be required during drilling or other heavy equipment operations.

#### 9.2.2 Excavations and Excavation Trenching

Guidance relating to safe work practices for C&S employees regarding excavations and excavating/trenching operation is presented in Appendix A of this HASP.

## SECTION 10 - DECONTAMINATION PROCEDURES

Decontamination involves physically removing contaminants and/or converting them chemically into innocuous substances. Only general guidance can be given on methods and techniques for decontamination. Decontamination procedures are designed to:

- Remove contaminant(s).
- Avoid spreading the contamination from the work zone.
- Avoid exposing unprotected personnel outside of the work zone to contaminants.

Contamination avoidance is the first and best method for preventing spread of contamination from a hazardous site. Each person involved in site operations must practice the basic methods of contamination avoidance listed below. Additional precautions may be required in the HASP.

- Know the limitations of all protective equipment being used.
- Do not enter a contaminated area unless it is necessary to carry out a specific objective.
- When in a contaminated area, avoid touching anything unnecessarily.
- Walk around pools of liquids, discolored areas, or any area that shows evidence of possible contamination.
- Walk upwind of contamination, if possible.
- Do not sit or lean against anything in a contaminated area. If you must kneel (e.g., to take samples), use a plastic ground sheet.
- If at all possible, do not set sampling equipment directly on contaminated areas. Place equipment on a protective cover such as a ground cloth.
- Use the proper tools necessary to safely conduct the work.

Specific methods that may reduce the chance of contamination are:

- Use of remote sampling techniques.
- Opening containers by non-manual means.
- Bagging monitoring instruments.
- Use of drum grapplers.
- Watering down dusty areas.

Equipment which will need to be decontaminated includes tools, monitoring equipment, and personal protective equipment. Items to be decontaminated will be brushed off, rinsed, and dropped into a plastic container supplied for that purpose. They will then be washed with a detergent solution and rinsed with clean water. Monitoring instruments may be wrapped in plastic bags prior to entering the field in order to reduce the potential for contamination. Instrumentation that is contaminated during field operations will be carefully wiped down.

Heavy equipment, if utilized for operations where it may be contaminated, will have prescribed decontamination procedures to prevent contaminant materials from potentially leaving the Site. On-site contractors, such as drillers or backhoe operators, will be responsible for decontaminating all construction equipment prior to demobilization.

## SECTION 11 – DISPOSAL PROCEDURES

All discarded materials, waste materials, or other objects shall be handled in such a way as to reduce or eliminate the potential for spreading contamination, creating a sanitary hazard, or causing litter to be left on-site. All potentially contaminated materials, e.g., clothing, gloves, etc., will be bagged or drummed as necessary and segregated for proper disposal. All contaminated waste materials shall be disposed of as required by the provisions included in the contract and consistent with regulatory provisions. All non-contaminated materials shall be collected and bagged for appropriate disposal. Investigation derived waste will be managed consistent with the work plan for this Site and DER-10 Technical Guidance for Site Investigation and Remediation dated May 2010.

## SECTION 12 - EMERGENCY RESPONSE PROCEDURES

As a result of the hazards at the Site, and the conditions under which operations are conducted, there is the possibility of emergency situations. This section establishes procedures for the implementation of an emergency plan.

### 12.1 Emergency Coordinator

*Emergency Coordinator:..... Cody Martin.....Work Phone: (716) 847-1630*

The Emergency Coordinator or his on-site designee will, in concert with Campus Square LLC, implement the emergency response procedures whenever conditions at the Site warrant such action. The Emergency Coordinator or his on-site designee will be responsible for assuring the evacuation, emergency treatment, emergency transport of C&S personnel as

necessary, and notification of emergency response units (refer to phone listing in the beginning of this HASP) and the appropriate management staff.

### 12.2 Evacuation

In the event of an emergency situation, such as fire, explosion, significant release of toxic gases, etc., all personnel will evacuate and assemble in a designated assembly area. The Emergency Coordinator or his on-site designee will have authority to contact outside services as required. Under no circumstances will incoming personnel or visitors be allowed to proceed into the area once the emergency signal has been given. The Emergency Coordinator or his on-site designee must see that access for emergency equipment is provided and that all ignition sources have been shut down once the emergency situation is established. Once the safety of all personnel is established, the Fire Department and other emergency response groups will be notified by telephone of the emergency.

### 12.3 Potential or Actual Fire or Explosion

Immediately evacuate the Site and notify local fire and police departments, and other appropriate emergency response groups, if LEL values are above 25% in the work zone or if an actual fire or explosion has taken place.

### 12.4 Environmental Incident (spread or release of contamination)

Control or stop the spread of contamination if possible. Notify the Emergency Coordinator and the Project Manager. Other appropriate response groups will be notified as appropriate.

### 12.5 Personnel Injury

Emergency first aid shall be applied on-site as necessary. Then, decontaminate (en route if necessary) and transport the individual to nearest medical facility if needed. The ambulance/rescue squad shall be contacted for transport as necessary in an emergency. The directions to the hospital are shown in Section 1 of this HASP and a map is shown in Attachment A.

### 12.6 Personnel Exposure

- *Skin Contact*: Use copious amounts of soap and water. Wash/rinse affected area thoroughly, and then provide appropriate medical attention. Eyes should be thoroughly rinsed with water for at least 15 minutes.
- *Inhalation*: Move to fresh air and/or, if necessary, decontaminate and transport to emergency medical facility.
- *Ingestion*: Decontaminate and transport to emergency medical facility.
- *Puncture Wound/Laceration*: Decontaminate, if possible, and transport to emergency medical facility.

### 12.7 Adverse Weather Conditions

In the event of adverse weather conditions, the HSO will determine if work can continue without sacrificing the health and safety of field workers.

### 12.8 Incident Investigation and Reporting

In the event of an incident, procedures discussed in the Medical Emergency/Incident Response Protocol, presented in Appendix B of this HASP, shall be followed.

## SECTION 13 - COMMUNITY RELATIONS

### 13.1 Community Health and Safety Plan

#### 13.1.1 Community Health and Safety Monitoring

As part of the site work, three general types of efforts are scheduled, including, non-intrusive reconnaissance tasks, sampling or monitoring tasks (monitoring point sampling), and intrusive tasks (test trenching, subsurface borings, monitoring well installation). During completion of general reconnaissance and sampling or monitoring tasks, potential for health and safety risks to off-site landowners or the local community are not anticipated.

During completion of intrusive efforts at or adjacent to the Site, health and safety monitoring efforts will be concentrated on the area or areas in which intrusive efforts are being

completed. Since the air pathway is the most available and likely avenue for the release of potential contaminants to the atmosphere at or near the Site, in addition to limiting public or community access to the areas in which intrusive efforts are completed, health and safety measures will primarily consist of monitoring the air pathway for worker exposure.

### 13.1.2 Community Air Monitoring Plan

Efforts will be taken to complete field work in a manner which will minimize the creation of airborne dust or particulates. Under dry conditions, work areas may be wetted to control dust. During periods of extreme wind, intrusive field work may be halted until such time as the potential for creating airborne dust or particulate matter as a result of investigation activities is limited. Periodic monitoring following the guidelines of the site's Community Air Monitoring Plan (see Appendix C of the IRM) will be implemented during all non-intrusive Site investigation activities, including surface soil and sediment sampling, and collection of groundwater samples from groundwater monitoring wells.

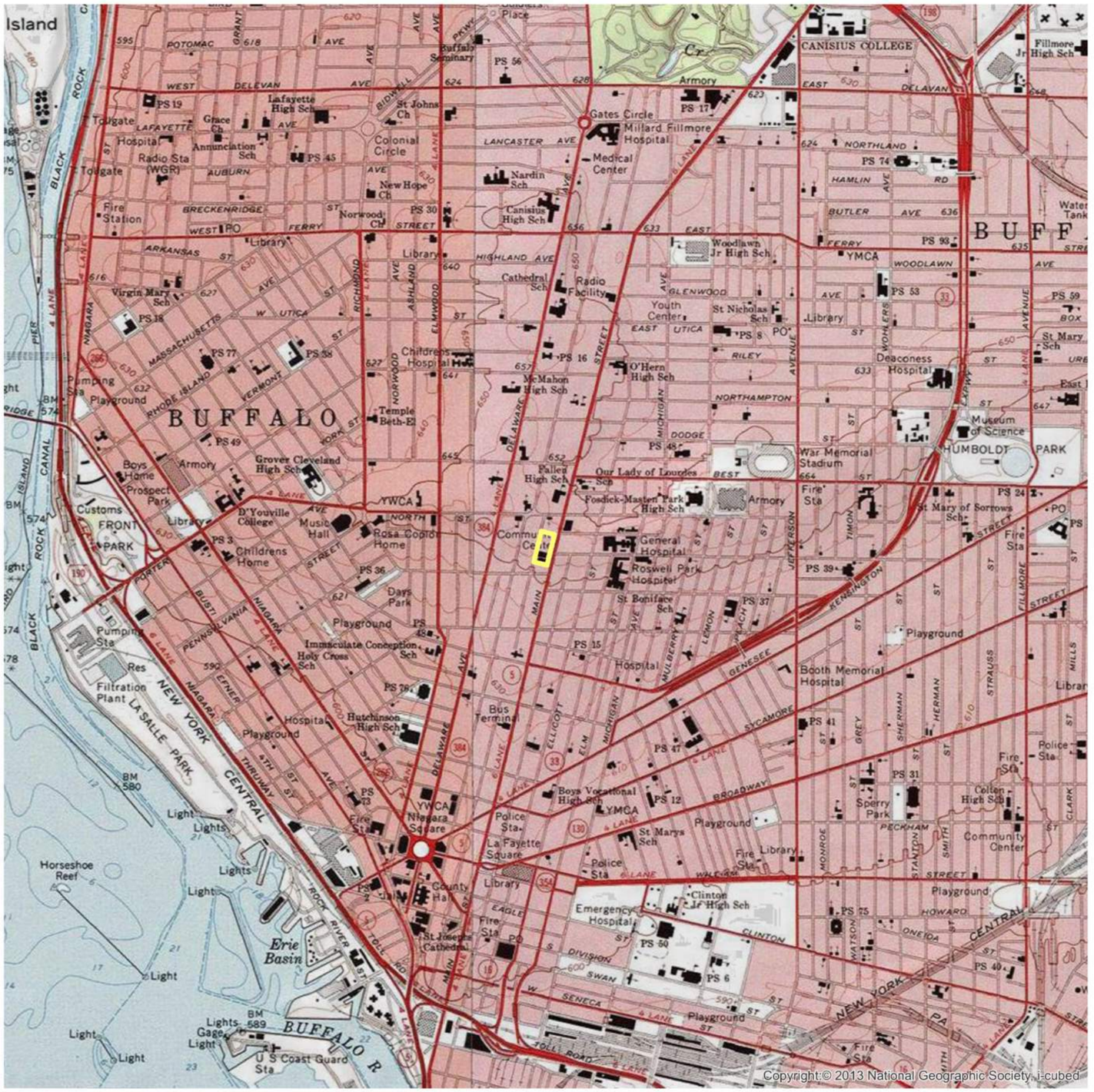
During completion of Site investigation, a community air monitoring plan meeting the requirements of the site's Community Air Monitoring Plan (see Appendix C of the IRM) will be implemented for the duration of intrusive activities. These additional air monitoring activities will include establishment of background conditions, continuous monitoring for volatile organic compounds and/or particulates at the downwind work area (exclusion zone) perimeter, recording of monitoring data, and institution and documentation of Response Levels and appropriate actions in accordance with NYSDOH guidance.

## SECTION 14 - AUTHORIZATIONS

Personnel authorized to enter the Site while operations are being conducted must be approved by the HSO. Authorization will involve completion of appropriate training courses, medical examination requirements, and review and sign-off of this HASP. No C&S personnel should enter the work zone alone. Each site visitor should check in with the HSO or Project Manager prior to entering the work zones.

# FIGURE 1

***SITE LOCATION MAP***




## Legend

BROWNFIELD CLEANUP PROGRAM (BCP) SITE

0 1,000 2,000 4,000 Feet

Oct 31, 2022 – 2:19pm
F:\Project\X97 – The Salvation Army\X97001001 – Buffalo Salvation Army BCP\Planning–Study\CADD\Sheets\A–1 USGS.dwg

C&S COMPANIES®
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Buffalo, New York 14203
Phone: 716-847-1630
Fax: 716-847-1454
www.cscos.com

N

**HOPE ON MAIN**
**954 MAIN STREET**
**BROWNFIELD CLEANUP PROGRAM**
**BUFFALO, NEW YORK**

| MARK | DATE | DESCRIPTION |
|---|---|---|
| REVISIONS | | |

| | |
|---|---|
| PROJECT NO: | X97.001.001 |
| DATE: | DECEMBER 2021 |
| DRAWN BY: | |
| DESIGNED BY: | |
| CHECKED BY: | |

NO ALTERATION PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK EDUCATION LAW

**SITE LOCATION**

**FIGURE 1**

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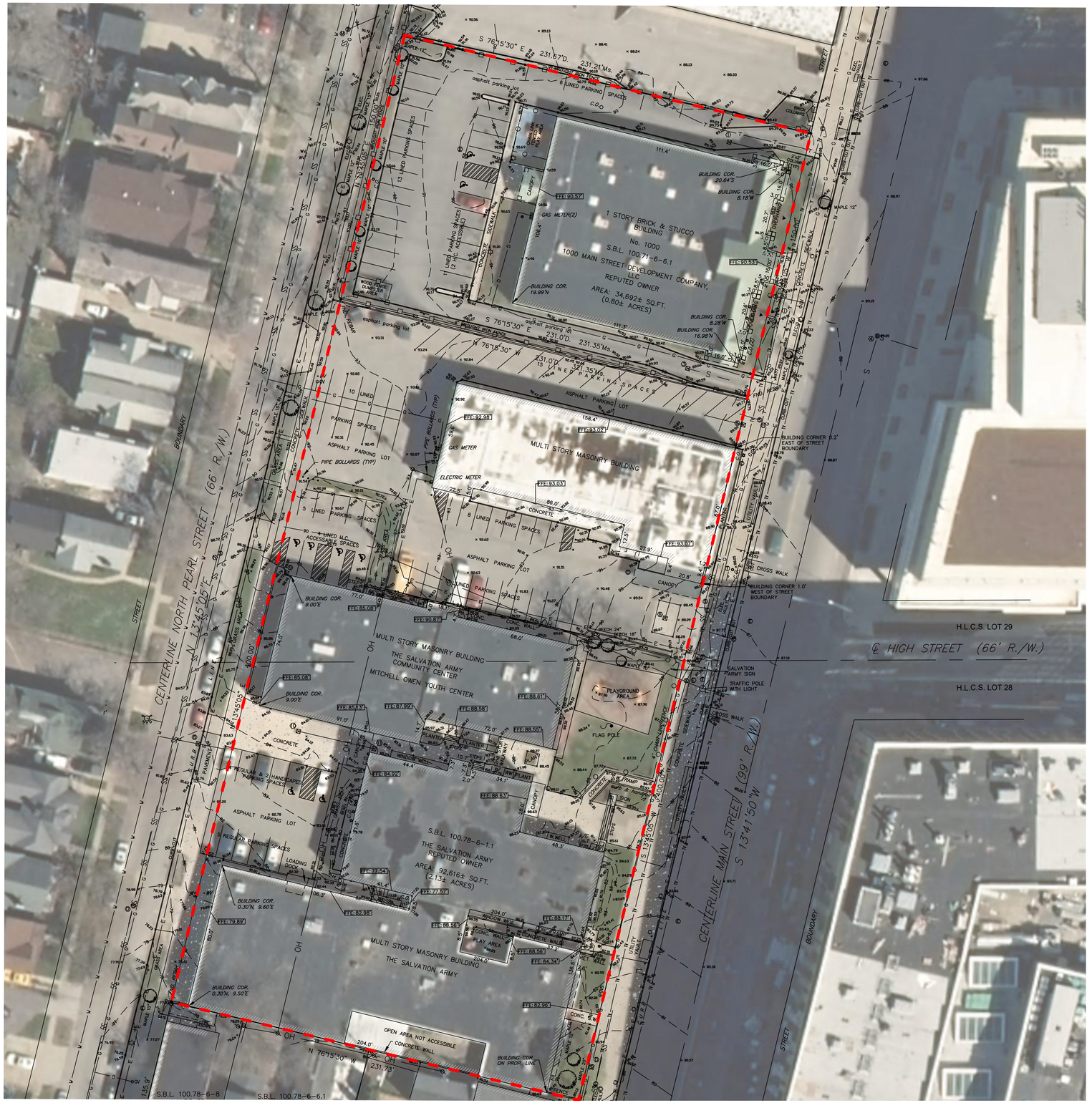
# FIGURE 2

***SITE AERIAL PHOTO***




## LEGEND

BROWNFIELD CLEANUP PROGRAM (BCP) BOUNDARY

## SURVEY LEGEND

- CATCH BASIN
- C.O. CLEAN OUT
- COMMUNICATIONS MANHOLE
- ELECTRIC MANHOLE
- FLOOD LIGHT
- GVS GAS SERVICE VALVE
- GV GAS VALVE
- GUY WIRE
- HYDRANT
- LIGHT POLE, STANDARD
- PARKING METER
- SANITARY MANHOLE
- SANITARY VENT
- SIGN, ONE POST
- SIGN, TWO POST
- TRAFFIC MANHOLE
- UTILITY POLE
- WSV WATER SERVICE VALVE
- WV WATER VALVE

## NOTES

1. SURVEY INFORMATION WAS PROVIDED BY GPI ENGINEERING, LANDSCAPE, ARCHITECTURE & SURVEYING, LLP DATED 12/10/2021. C&S ENGINEERS, INC. ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY.

2. CONTRACTOR TO VERIFY ALL FIELD CONDITIONS AND UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION. CONTACT THE ENGINEER WITH ANY DISCREPANCIES FOUND IN THE FIELD.

3. REFER TO ARCHITECTURAL PLANS FOR BUILDING DIMENSIONS AND LAYOUT.

0 30 60 120 FEET

SCALE: 1" = 30'

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Buffalo, New York 14203
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www.cscos.com

THE SALVATION ARMY

HOPE ON MAIN
954 MAIN STREET
BROWNFIELD CLEANUP PROGRAM

CITY OF BUFFALO, NEW YORK

| MARK | DATE | DESCRIPTION |
|---|---|---|
| | | REVISIONS |

| | |
|---|---|
| PROJECT NO: | X97.001.001 |
| DATE: | OCTOBER 2022 |
| DRAWN BY: | C. MARTIN |
| DESIGNED BY: | C. MARTIN |
| CHECKED BY: | D. RIKER |

**SITE DETAIL**

**FIGURE 2**

Copyright ©

October 31, 2022 - 2:49PM
P:\Project\X97 - The Salvation Army\X97001001 - Buffalo Salvation Army BCP\Planning-Study\CADD\Sheets\DETAIL.dwg

# ATTACHMENT A

## *MAP TO HOSPITAL*

bing maps

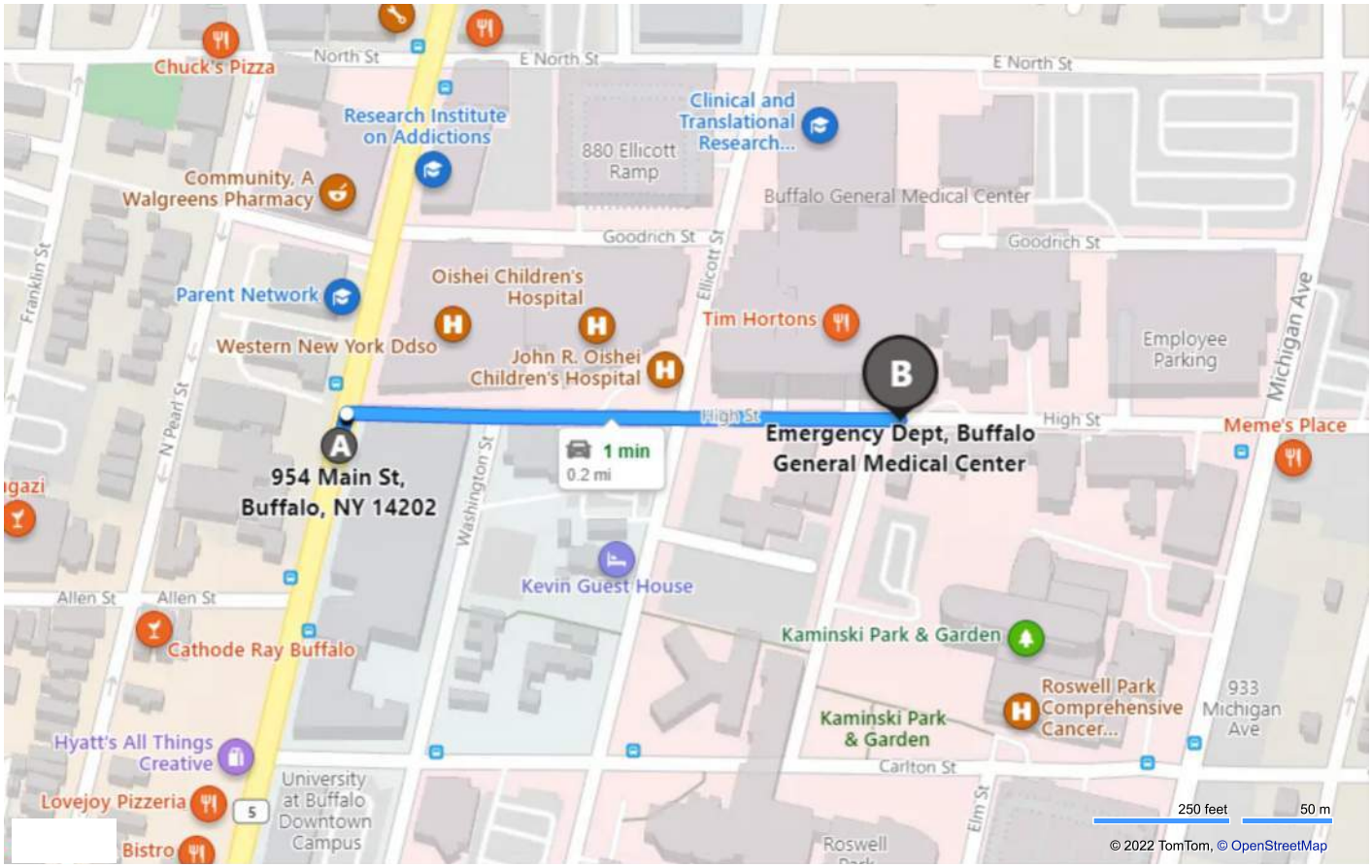
**A** 954 Main St, Buffalo, NY 14202

**B** Emergency Dept, Buffalo General Medical Center, 100 High St, Buffalo, NY 14203

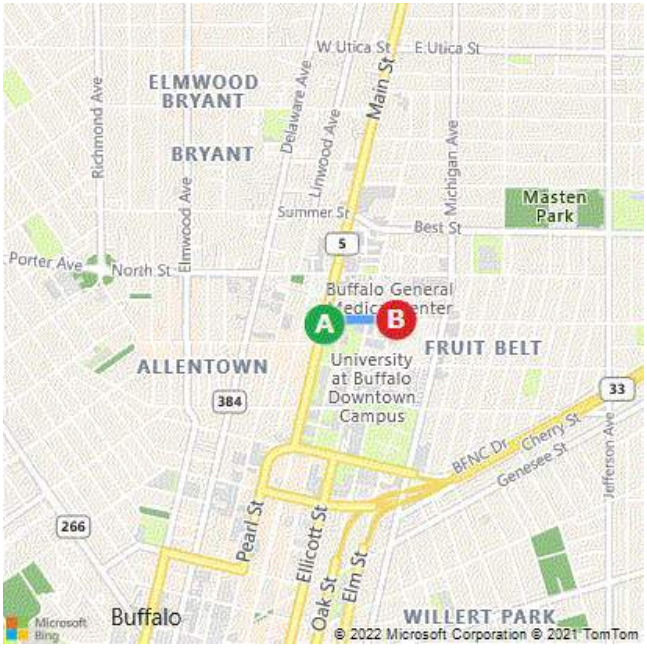
**1 min , 0.2 miles**

Light traffic (Leave at 10:12 AM)

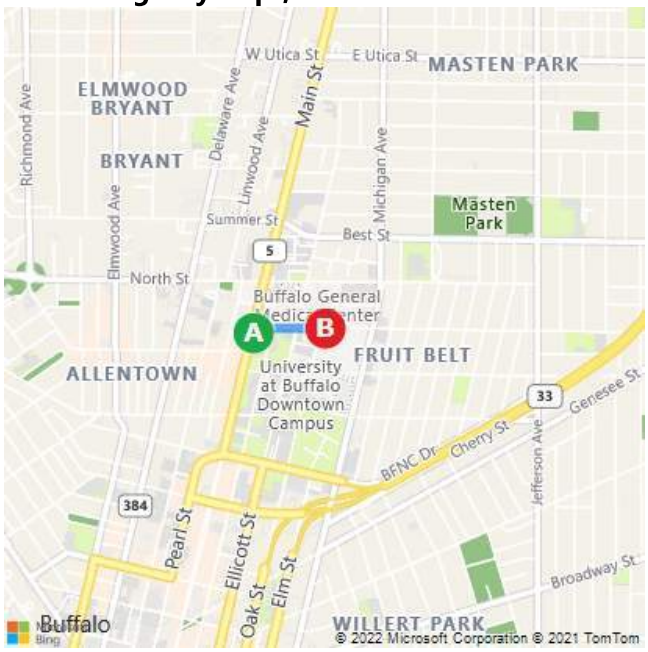
Via NY-5, High St



**A** 954 Main St, Buffalo, NY 14202




**B** Emergency Dept, Buffalo General Medical...

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# Appendix A

***EXCAVATION/TRENCHING GUIDELINE***

C&S ENGINEERS

# C&S ENGINEERS, INC. HEALTH & SAFETY GUIDELINE #14
# EXCAVATION/TRENCHING OPERATIONS

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# C&S ENGINEERS, INC.
# EXCAVATION/TRENCHING OPERATIONS

## 1.0 PURPOSE

To establish safe operating procedures for excavation/trenching operations at C&S work sites.

## 2.0 SCOPE

Applies to all C&S activity where excavation or trenching operations take place.

## 3.0 DEFINITIONS

Excavation — Any manmade cavity or depression in the earth's surface, including its sides, walls, or faces, formed by earth removal and producing unsupported earth conditions by reasons of the excavation.

**Trench** — A narrow excavation made below the surface of the ground. In general, the depth is greater than the width, but the width of a trench is not greater than 15 feet.

## 4.0 RESPONSIBILITY EMPLOYEES

**Employees** — All employees must understand and follow the procedures outlined in this guideline during all excavation and trenching operations.

**Health and Safety Coordinator/Officer (HSC/HSO)** - The HSC/HSO is responsible for ensuring that these procedures are implemented at each work site.

## 5.0 GUIDELINES

### 5.1 Hazards Associated With Excavation/Trenching

The principal hazards associated with excavation/trenching are:

- Suffocation, crushing, or other injury from falling material.
- Damage/failure of installed underground services and consequent hazards.
- Tripping, slipping, or falling.
- Possibility of explosive, flammable, toxic, or oxygen-deficient atmosphere in excavation.

## 5.2 Procedures Prior to Excavation

1. Underground Utilities

   - Determine the presence and location of any underground chemical or utility pipes, electrical, telephone, or instrument wire or cables.
   - If the local DigSafely NY is unable to locate private/domestic or plant utilities, then an independent utility locating service must be contacted and mobilized to the site.
   - Identify the location of underground services by stakes, markers or paint.
   - Arrange to de-energize or isolate underground services during excavation. If not possible, or if location is not definite, method of excavation shall be established to minimize hazards by such means as:

     a) Use of hand tools in area of underground services.
     b) Insulating personnel and equipment from possible electrical contact.
     c) Use of tools or equipment that will reduce possibility of damage to underground services and hazard to worker.

2. Identify Excavation Area — Areas to be excavated shall be identified and segregated by means of barricades, ropes, and/or signs to prevent access of unauthorized personnel and equipment. Suitable means shall be provided to make barriers visible at all times.
3. Surface Water Provide means of diverting surface water from excavation.
4. Shoring/Bracing — Shoring or bracing that may be required for installed equipment adjacent to the excavation shall be designed by a competent person.
5. Structural Ramps — Structural ramps that are used solely by employees as a means of access to or egress from the excavation shall be designed by a competent person.

## 5.3 Procedures For Doing The Excavation

1. **Determine the need for shoring/sloping** — the type of soil will establish the need for shoring, slope of the excavation, support systems, and equipment to be used. The soil condition may change as the excavation proceeds. Appendices A, B, C, D, E, and F of the OSHA Excavation Regulation, 29 CFR 1926 Subpart P, are to be used in defining shoring and sloping requirements.

2. **Mobile equipment** — For safe use of mobile industrial equipment in or near the excavation, the load carrying capacity of soil shall be established and suitable protection against collapse of soil provided by the use of mats, barricades, restricting the location of equipment, or shoring.

3. Excavated material (spoil) shall be stored at least two (2) feet from the edge of the excavation.

4. All trench (vertical sides) excavations greater than five (5) feet deep shall be shored.

5. The excavation shall be inspected daily for changes in conditions, including the presence of ground water, change in soil condition, or effects of weather such as rain or freeze. A safe means of continuing the work shall be established based on changes in condition. Typically test trench excavations made as part of an environmental subsurface nvestigation are made and backfilled the same day.

6. Appropriate monitoring for gas, toxic, or flammable materials will be conducted to establish the need for respiratory equipment, ventilation, or other measures required to continue the excavation safely.

7. Adequate means of dewatering the excavation shall be provided by the contractor as required.

8. A signal person shall be provided to direct powered equipment if working in the excavation with other personnel.

9. A signal person shall be provided when backfilling excavations to direct powered equipment working in the excavation with other personnel.

10. Warning vests will be worn when employees are exposed to public vehicular traffic.

11. Employees shall stand away from vehicles being loaded or unloaded, and shall not be permitted underneath loads handled by lifting or dragging equipment.

12. Emergency rescue equipment, such as breathing apparatus, a safety harness and line, or a basket stretcher, shall be readily available if hazardous atmospheric conditions exist or may be expected to develop. The specifics will be determined by the HSC/HSM.

13. Walkways or bridges with standard guardrail shall be provided where employees or equipment are required or permitted to cross over excavations.

### 5.4 Entering the Excavation

No C&S Engineers, Inc., employee shall enter an excavation which fails to meet the requirements of Section 5.3 of this guideline.

## 6.0 REFERENCES

29 CFR 1926, Subpart P - Excavations

## 7.0 ATTACHMENTS

29 CFR 1926 Subpart P - Appendices A, B, F

| | |
|---|---|
| • **Part Number:** | 1926 |
| • **Part Title:** | Safety and Health Regulations for Construction |
| • **Subpart:** | P |
| • **Subpart Title:** | Excavations |
| • **Standard Number:** | 1926 Subpart P App A |
| • **Title:** | Soil Classification |

(a) Scope and application - (1) Scope. This appendix describes a method of classifying soil and rock deposits based on site and environmental conditions, and on the structure and composition of the earth deposits. The appendix contains definitions, sets for requirements, and describes acceptable visual and manual tests for use in classifying soils.

(2) Application. This appendix applies when a sloping or benching system is designed in accordance with the requirements set fo 1926.652(b)(2) as a method of protection for employees from cave-ins. This appendix also applies when timber shoring for excav designed as a method of protection from cave-ins in accordance with appendix C to subpart P of part 1926, and when aluminum shoring is designed in accordance with appendix D. This Appendix also applies if other protective systems are designed and selec from data prepared in accordance with the requirements set forth in 1926.652(c), and the use of the data is predicated on the us classification system set forth in this appendix.

(b) Definitions. The definitions and examples given below are based on, in whole or in part, the following; American Society for T Materials (ASTM) Standards D653-85 and D2488; The Unified Soils Classification System; The U.S. Department of Agriculture (US Textural Classification Scheme; and The National Bureau of Standards Report BSS-121.

"Cemented soil" means a soil in which the particles are held together by a chemical agent, such as calcium carbonate, such that a hand-size sample cannot be crushed into powder or individual soil particles by finger pressure.

"Cohesive soil" means clay (fine grained soil), or soil with a high clay content, which has cohesive strength. Cohesive soil does not crumble, can be excavated with vertical sideslopes, and is plastic when moist. Cohesive soil is hard to break up when dry, and exhibits significant cohesion when submerged. Cohesive soils include clayey silt, sandy clay, silty clay, clay and organic clay.

"Dry soil" means soil that does not exhibit visible signs of moisture content.

"Fissured" means a soil material that has a tendency to break along definite planes of fracture with little resistance, or a material that exhibits open cracks, such as tension cracks, in an exposed surface.

"Granular soil" means gravel, sand, or silt (coarse grained soil) with little or no clay content. Granular soil has no cohesive strength. Some moist granular soils exhibit apparent cohesion. Granular soil cannot be molded when moist and crumbles easily when dry.

"Layered system" means two or more distinctly different soil or rock types arranged in layers. Micaceous seams or weakened planes in rock or shale are considered layered.

"Moist soil" means a condition in which a soil looks and feels damp. Moist cohesive soil can easily be shaped into a ball and rolled into small diameter threads before crumbling. Moist granular soil that contains some cohesive material will exhibit signs of cohesion between particles.

"Plastic" means a property of a soil which allows the soil to be

deformed or molded without cracking, or appreciable volume change.

"Saturated soil" means a soil in which the voids are filled with water. Saturation does not require flow. Saturation, or near saturation, is necessary for the proper use of instruments such as a pocket penetrometer or sheer vane.

"Soil classification system" means, for the purpose of this subpart, a method of categorizing soil and rock deposits in a hierarchy of Stable Rock, Type A, Type B, and Type C, in decreasing order of stability. The categories are determined based on an analysis of the properties and performance characteristics of the deposits and the characteristics of the deposits and the environmental conditions of exposure.

"Stable rock" means natural solid mineral matter that can be excavated with vertical sides and remain intact while exposed.

"Submerged soil" means soil which is underwater or is free seeping.

"Type A" means cohesive soils with an unconfined, compressive strength of 1.5 ton per square foot (tsf) (144 kPa) or greater. Examples of cohesive soils are: clay, silty clay, sandy clay, clay loam and, in some cases, silty clay loam and sandy clay loam. Cemented soils such as caliche and hardpan are also considered Type A. However, no soil is Type A if:

(i) The soil is fissured; or

(ii) The soil is subject to vibration from heavy traffic, pile driving, or similar effects; or

(iii) The soil has been previously disturbed; or

(iv) The soil is part of a sloped, layered system where the layers dip into the excavation on a slope of four horizontal to one vertical (4H:1V) or greater; or

(v) The material is subject to other factors that would require it to be classified as a less stable material.

"Type B" means:

(i) Cohesive soil with an unconfined compressive strength greater than 0.5 tsf (48 kPa) but less than 1.5 tsf (144 kPa); or

(ii) Granular cohesionless soils including: angular gravel (similar to crushed rock), silt, silt loam, sandy loam and, in some cases, silty clay loam and sandy clay loam.

(iii) Previously disturbed soils except those which would otherwise be classed as Type C soil.

(iv) Soil that meets the unconfined compressive strength or cementation requirements for Type A, but is fissured or subject to vibration; or

(v) Dry rock that is not stable; or

(vi) Material that is part of a sloped, layered system where the layers dip into the excavation on a slope less steep than four horizontal to one vertical (4H:1V), but only if the material would otherwise be classified as Type B.

"Type C" means:

(i) Cohesive soil with an unconfined compressive strength of 0.5 tsf (48 kPa) or less; or

(ii) Granular soils including gravel, sand, and loamy sand; or

(iii) Submerged soil or soil from which water is freely seeping; or

(iv) Submerged rock that is not stable, or

(v) Material in a sloped, layered system where the layers dip into the excavation or a slope of four horizontal to one vertical (4H:1V) or steeper.

"Unconfined compressive strength" means the load per unit area at which a soil will fail in compression. It can be determined by laboratory testing, or estimated in the field using a pocket penetrometer, by thumb penetration tests, and other methods.

"Wet soil" means soil that contains significantly more moisture than moist soil, but in such a range of values that cohesive material will slump or begin to flow when vibrated. Granular material that would exhibit cohesive properties when moist will lose those cohesive properties when wet.

(c) Requirements - (1) Classification of soil and rock deposits. Each soil and rock deposit shall be classified by a competent perso Rock, Type A, Type B, or Type C in accordance with the definitions set forth in paragraph (b) of this appendix.

(2) Basis of classification. The classification of the deposits shall be made based on the results of at least one visual and at least analysis. Such analyses shall be conducted by a competent person using tests described in paragraph (d) below, or in other reco methods of soil classification and testing such as those adopted by the American Society for Testing Materials, or the U.S. Depart Agriculture textural classification system.

(3) Visual and manual analyses. The visual and manual analyses, such as those noted as being acceptable in paragraph (d) of thi shall be designed and conducted to provide sufficient quantitative and qualitative information as may be necessary to identify prc properties, factors, and conditions affecting the classification of the deposits.

(4) Layered systems. In a layered system, the system shall be classified in accordance with its weakest layer. However, each laye classified individually where a more stable layer lies under a less stable layer.

(5) Reclassification. If, after classifying a deposit, the properties, factors, or conditions affecting its classification change in any w changes shall be evaluated by a competent person. The deposit shall be reclassified as necessary to reflect the changed circumst

(d) Acceptable visual and manual tests. - (1) Visual tests. Visual analysis is conducted to determine qualitative information regarc excavation site in general, the soil adjacent to the excavation, the soil forming the sides of the open excavation, and the soil take samples from excavated material.

(i) Observe samples of soil that are excavated and soil in the sides of the excavation. Estimate the range of particle sizes and the amounts of the particle sizes. Soil that is primarily composed of fine-grained material material is cohesive material. Soil composec of coarse-grained sand or gravel is granular material.

(ii) Observe soil as it is excavated. Soil that remains in clumps when excavated is cohesive. Soil that breaks up easily and does nc clumps is granular.

(iii) Observe the side of the opened excavation and the surface area adjacent to the excavation. Crack-like openings such as tens could indicate fissured material. If chunks of soil spall off a vertical side, the soil could be fissured. Small spalls are evidence of m ground and are indications of potentially hazardous situations.

(iv) Observe the area adjacent to the excavation and the excavation itself for evidence of existing utility and other underground s and to identify previously disturbed soil.

(v) Observed the opened side of the excavation to identify layered systems. Examine layered systems to identify if the layers slop the excavation. Estimate the degree of slope of the layers.

(vi) Observe the area adjacent to the excavation and the sides of the opened excavation for evidence of surface water, water see the sides of the excavation, or the location of the level of the water table.

(vii) Observe the area adjacent to the excavation and the area within the excavation for sources of vibration that may affect the s the excavation face.

(2) Manual tests. Manual analysis of soil samples is conducted to determine quantitative as well as qualitative properties of soil a provide more information in order to classify soil properly.

(i) Plasticity. Mold a moist or wet sample of soil into a ball and attempt to roll it into threads as thin as 1/8-inch in diameter. Cohe material can be successfully rolled into threads without crumbling. For example, if at least a two inch (50 mm) length of 1/8-inch be held on one end without tearing, the soil is cohesive.

(ii) Dry strength. If the soil is dry and crumbles on its own or with moderate pressure into individual grains or fine powder, it is g combination of gravel, sand, or silt). If the soil is dry and falls into clumps which break up into smaller clumps, but the smaller clu only be broken up with difficulty, it may be clay in any combination with gravel, sand or silt. If the dry soil breaks into clumps wh break up into small clumps and which can only be broken with difficulty, and there is no visual indication the soil is fissured, the s considered unfissured.

(iii) Thumb penetration. The thumb penetration test can be used to estimate the unconfined compressive strength of cohesive so test is based on the thumb penetration test described in American Society for Testing and Materials (ASTM) Standard designatior "Standard Recommended Practice for Description of Soils (Visual - Manual Procedure).") Type A soils with an unconfined compre strength of 1.5 tsf can be readily indented by the thumb; however, they can be penetrated by the thumb only with very great eff soils with an unconfined compressive strength of 0.5 tsf can be easily penetrated several inches by the thumb, and can be molde finger pressure. This test should be conducted on an undisturbed soil sample, such as a large clump of spoil, as soon as practical excavation to keep to a minimum the effects of exposure to drying influences. If the excavation is later exposed to wetting influe flooding), the classification of the soil must be changed accordingly.

(iv) Other strength tests. Estimates of unconfined compressive strength of soils can also be obtained by use of a pocket penetron using a hand-operated shearvane.

(v) Drying test. The basic purpose of the drying test is to differentiate between cohesive material with fissures, unfissured cohesi and granular material. The procedure for the drying test involves drying a sample of soil that is approximately one inch thick (2.5 six inches (15.24 cm) in diameter until it is thoroughly dry:

(A) If the sample develops cracks as it dries, significant fissures are indicated.

(B) Samples that dry without cracking are to be broken by hand. If considerable force is necessary to break a sample, the soil ha cohesive material content. The soil can be classified as an unfissured cohesive material and the unconfined compressive strength determined.

(C) If a sample breaks easily by hand, it is either a fissured cohesive material or a granular material. To distinguish between the pulverize the dried clumps of the sample by hand or by stepping on them. If the clumps do not pulverize easily, the material is cc fissures. If they pulverize easily into very small fragments, the material is granular.

Next Standard (1926 Subpart P App B)

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| | |
|---|---|
| • **Part Number:** | 1926 |
| • **Part Title:** | Safety and Health Regulations for Construction |
| • **Subpart:** | P |
| • **Subpart Title:** | Excavations |
| • **Standard Number:** | 1926 Subpart P App B |
| • **Title:** | Sloping and Benching |

(a) ***Scope and application.*** This appendix contains specifications for sloping and benching when used as methods of protecting working in excavations from cave-ins. The requirements of this appendix apply when the design of sloping and benching protectiv is to be performed in accordance with the requirements set forth in § 1926.652(b)(2).

(b) ***Definitions.***

***Actual slope*** means the slope to which an excavation face is excavated.

***Distress*** means that the soil is in a condition where a cave-in is imminent or is likely to occur. Distress is evidenced by such phen the development of fissures in the face of or adjacent to an open excavation; the subsidence of the edge of an excavation; the slu material from the face or the bulging or heaving of material from the bottom of an excavation; the spalling of material from the fa excavation; and ravelling, i.e., small amounts of material such as pebbles or little clumps of material suddenly separating from the excavation and trickling or rolling down into the excavation.

***Maximum allowable slope*** means the steepest incline of an excavation face that is acceptable for the most favorable site condi protection against cave-ins, and is expressed as the ratio of horizontal distance to vertical rise (H:V).

***Short term exposure*** means a period of time less than or equal to 24 hours that an excavation is open.

(c) ***Requirements*** -- (1) ***Soil classification.*** Soil and rock deposits shall be classified in accordance with appendix A to subpart I 1926.

(2) ***Maximum allowable slope.*** The maximum allowable slope for a soil or rock deposit shall be determined from Table B-1 of tl appendix.

(3) ***Actual slope.*** (i) The actual slope shall not be steeper than the maximum allowable slope.

(ii) The actual slope shall be less steep than the maximum allowable slope, when there are signs of distress. If that situation occur slope shall be cut back to an actual slope which is at least ½ horizontal to one vertical (½H:1V) less steep than the maximum allo slope.

(iii) When surcharge loads from stored material or equipment, operating equipment, or traffic are present, a competent person sh determine the degree to which the actual slope must be reduced below the maximum allowable slope, and shall assure that such achieved. Surcharge loads from adjacent structures shall be evaluated in accordance with § 1926.651(i).

(4) ***Configurations.*** Configurations of sloping and benching systems shall be in accordance with Figure B-1.

**TABLE B-1**
**MAXIMUM ALLOWABLE SLOPES**

| SOIL OR ROCK TYPE | MAXIMUM ALLOWABLE SLOPES (H:V)(1) FOR EXCAVATIONS LESS THAN 20 FEET DEEP(3) |
|---|---|
| STABLE ROCK | VERTICAL (90°) |
| TYPE A (2) | 3/4:1 (53°) |
| TYPE B | 1:1 (45°) |
| TYPE C | 1 ½:1 (34°) |

Footnote(1) Numbers shown in parentheses next to maximum allowable slopes are angles expressed in degrees from the horizontal. Angle rounded off.

Footnote(2) A short-term maximum allowable slope of 1/2H:1V (63°) is allowed in excavations in Type A soil that are 12 feed (3.67 m) or l depth. Short-term maximum allowable slopes for excavations greater than 12 feet (3.67 m) in depth shall be 3/4H:1V (53°).

Footnote(3) Sloping or benching for excavations greater than 20 feet deep shall be designed by a registered professional engineer.

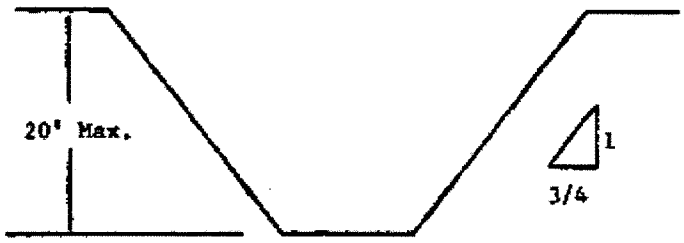
***Figure B-1***

**Slope Configurations**

(All slopes stated below are in the horizontal to vertical ratio)

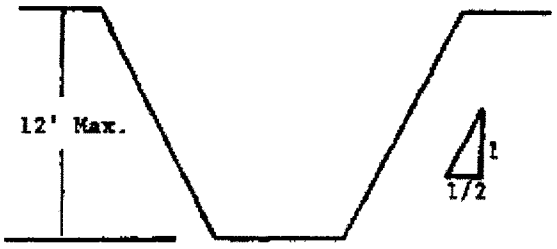
***B-1.1 Excavations made in Type A soil.***

1. All simple slope excavation 20 feet or less in depth shall have a maximum allowable slope of ¾:1.




SIMPLE SLOPE -- GENERAL

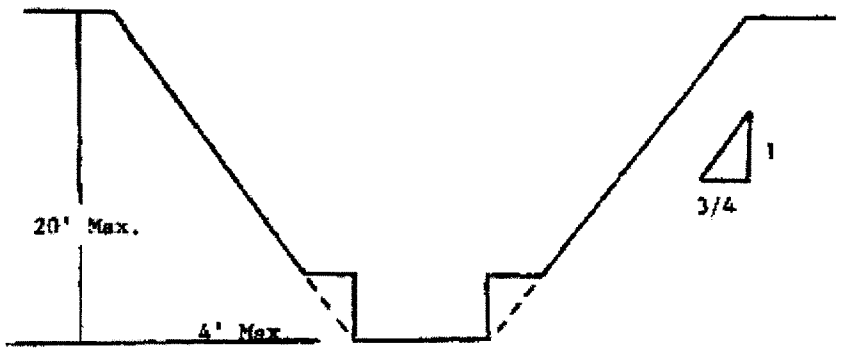
Exception: Simple slope excavations which are open 24 hours or less (short term) and which are 12 feet or less in depth shall have maximum allowable slope of ½:1.



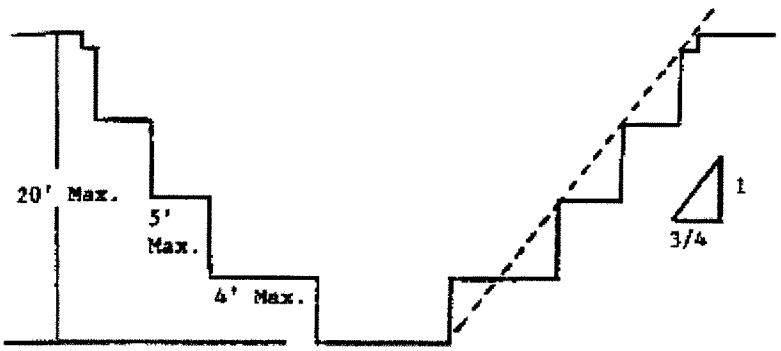

SIMPLE SLOPE -- SHORT TERM

2. All benched excavations 20 feet or less in depth shall have a maximum allowable slope of 3/4 to 1 and maximum bench dimens

follows:

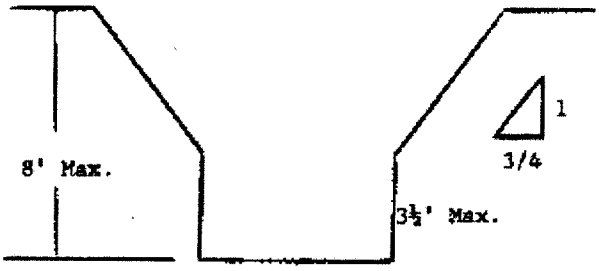



SIMPLE BENCH



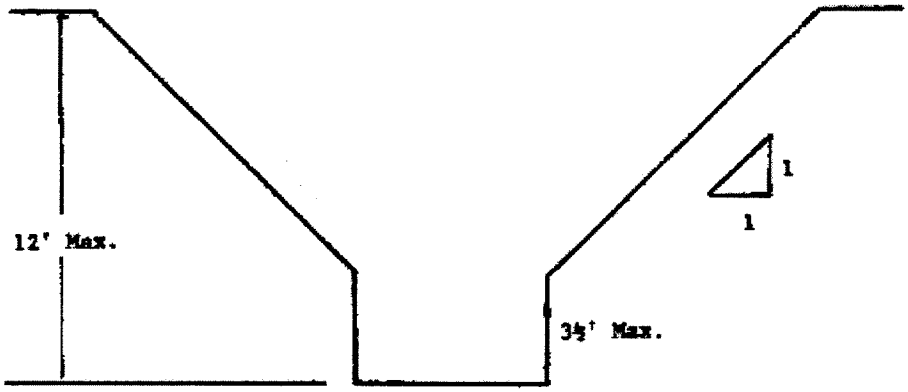

MULTIPLE BENCH

3. All excavations 8 feet or less in depth which have unsupported vertically sided lower portions shall have a maximum vertical sid feet.



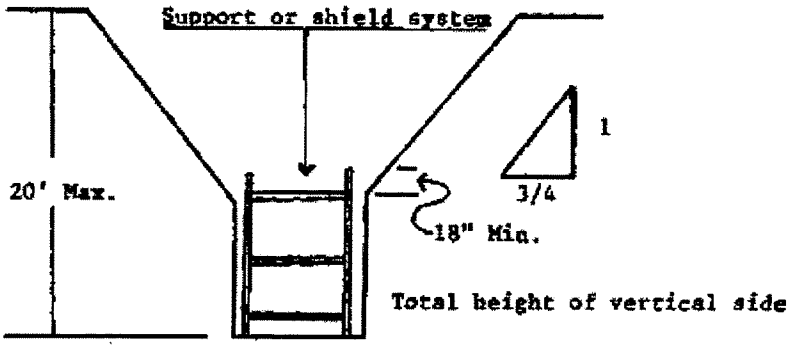

UNSUPPORTED VERTICALLY SIDED LOWER PORTION -- MAXIMUM 8 FEET IN DEPTH)

All excavations more than 8 feet but not more than 12 feet in depth with unsupported vertically sided lower portions shall have a r allowable slope of 1:1 and a maximum vertical side of 3½ feet.




UNSUPPORTED VERTICALLY SIDED LOWER PORTION -- MAXIMUM 12 FEET IN DEPTH)

All excavations 20 feet or less in depth which have vertically sided lower portions that are supported or shielded shall have a maxi allowable slope of ¾:1. The support or shield system must extend at least 18 inches above the top of the vertical side.

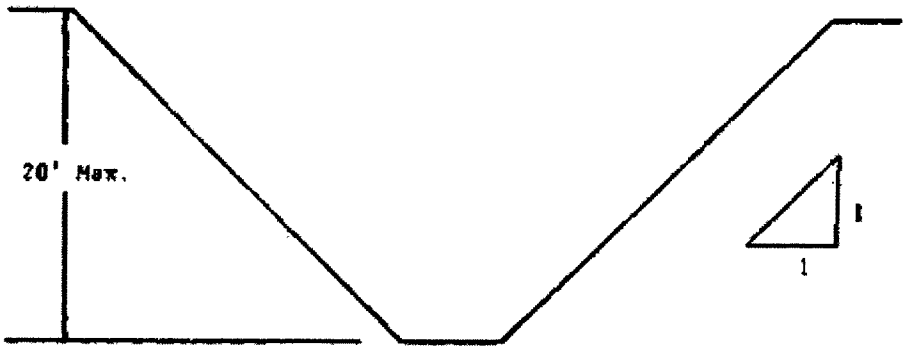



SUPPORTED OR SHIELDED VERTICALLY SIDED LOWER PORTION

4. All other simple slope, compound slope, and vertically sided lower portion excavations shall be in accordance with the other opt permitted under § 1926.652(b).

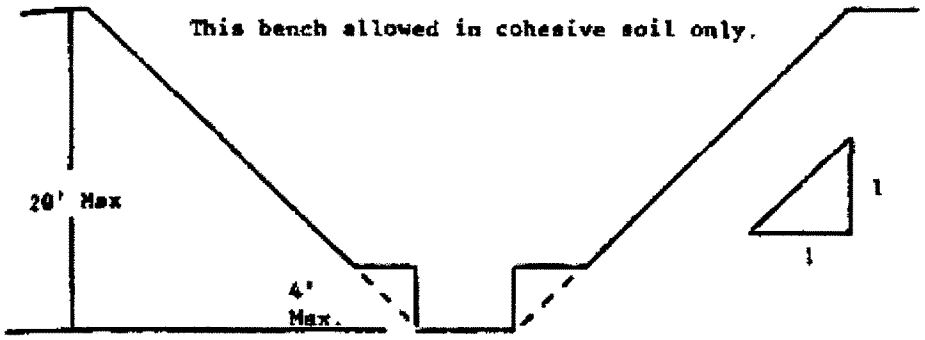
**B-1.2 Excavations Made in Type B Soil**

1. All simple slope excavations 20 feet or less in depth shall have a maximum allowable slope of 1:1.

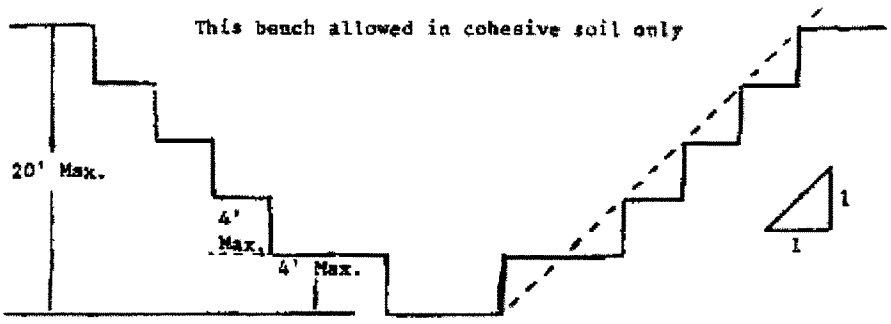



SIMPLE SLOPE

2. All benched excavations 20 feet or less in depth shall have a maximum allowable slope of 1:1 and maximum bench dimensions

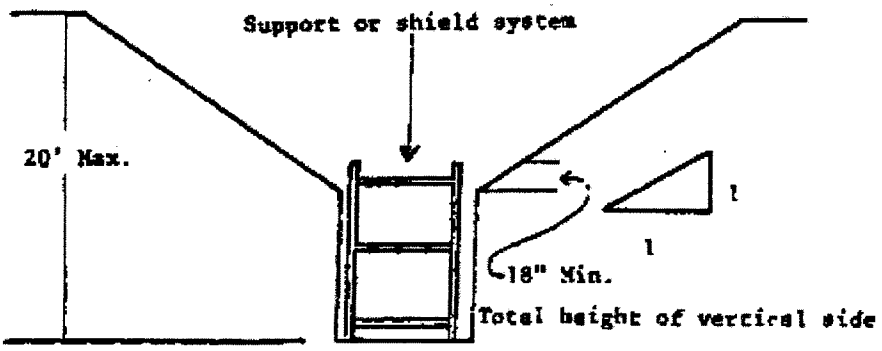



SINGLE BENCH




MULTIPLE BENCH

3. All excavations 20 feet or less in depth which have vertically sided lower portions shall be shielded or supported to a height at le inches above the top of the vertical side. All such excavations shall have a maximum allowable slope of 1:1.

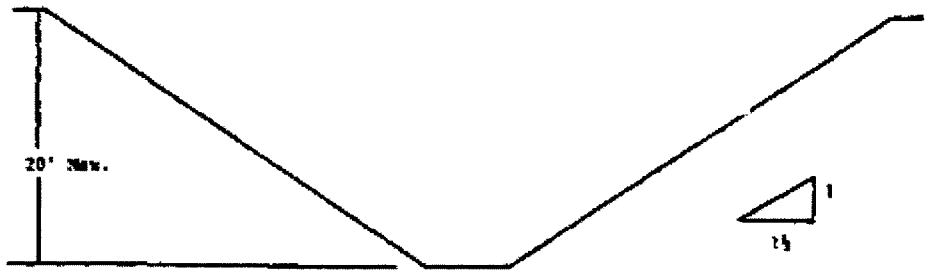



VERTICALLY SIDED LOWER PORTION

4. All other sloped excavations shall be in accordance with the other options permitted in § 1926.652(b).

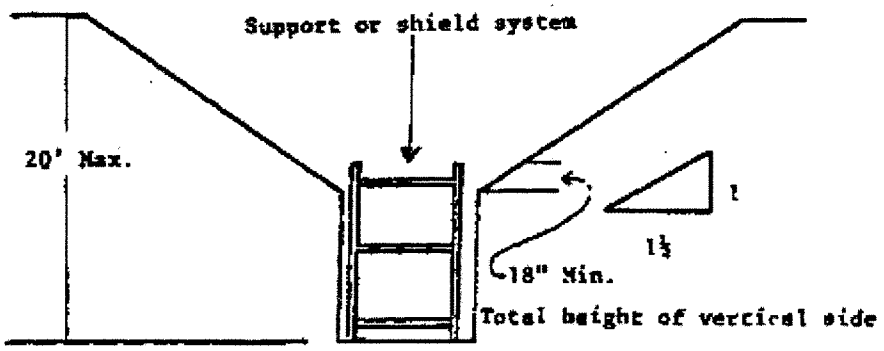
**B-1.3 Excavations Made in Type C Soil**

1. All simple slope excavations 20 feet or less in depth shall have a maximum allowable slope of 1½:1.




SIMPLE SLOPE

2. All excavations 20 feet or less in depth which have vertically sided lower portions shall be shielded or supported to a height at le inches above the top of the vertical side. All such excavations shall have a maximum allowable slope of 1½:1.

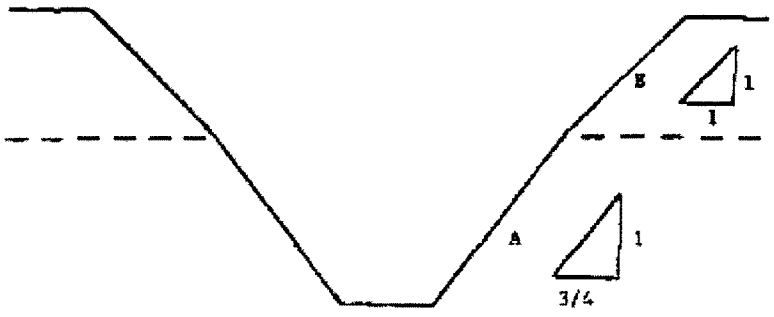



VERTICAL SIDED LOWER PORTION

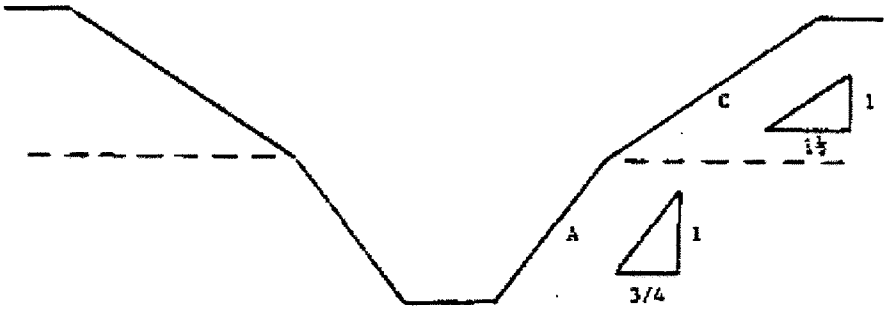
3. All other sloped excavations shall be in accordance with the other options permitted in § 1926.652(b).

**B-1.4 Excavations Made in Layered Soils**

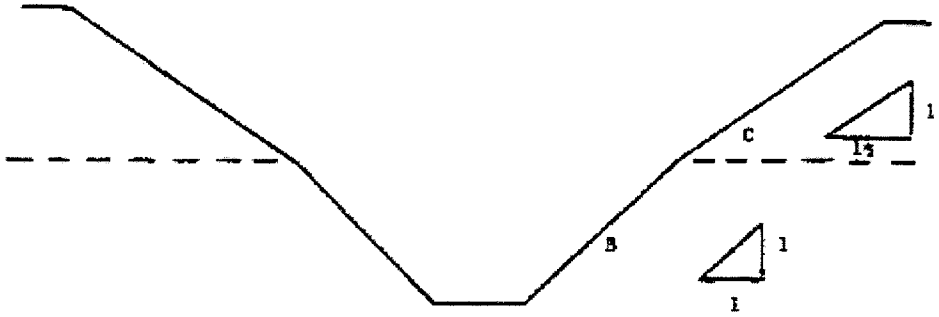
1. All excavations 20 feet or less in depth made in layered soils shall have a maximum allowable slope for each layer as set forth b



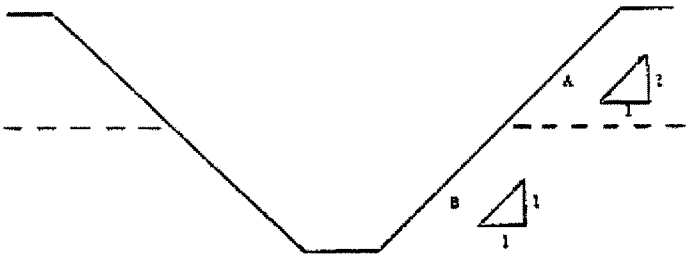

B OVER A



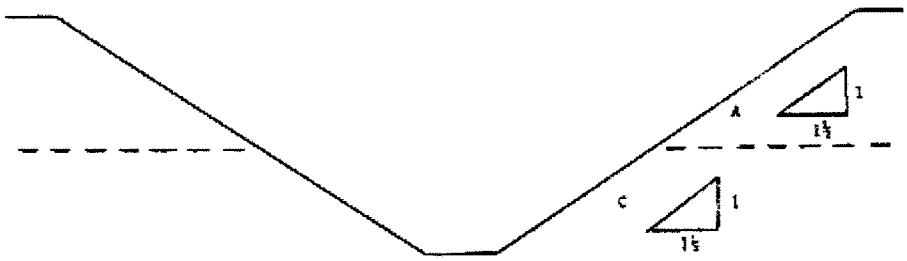

C OVER A



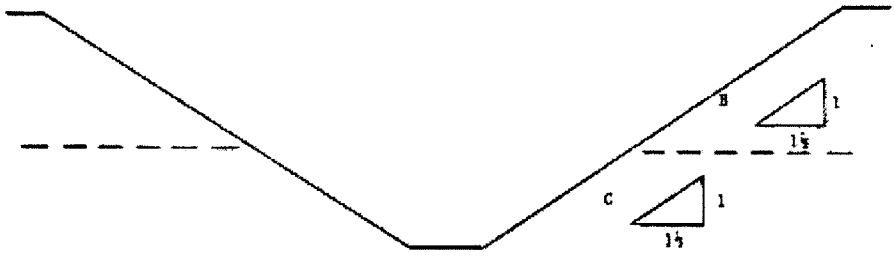

C OVER B




A OVER B




A OVER C




B OVER C

2. All other sloped excavations shall be in accordance with the other options permitted in § 1926.652(b).

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- **Part Number:** 1926
- **Part Title:** Safety and Health Regulations for Construction
- **Subpart:** P
- **Subpart Title:** Excavations
- **Standard Number:** 1926 Subpart P App F
- **Title:** Selection of Protective Systems

The following figures are a graphic summary of the requirements contained in subpart P for excavations 20 feet or less in depth. Prc systems for use in excavations more than 20 feet in depth must be designed by a registered professional engineer in accordance wit 1926.652(b) and (c).

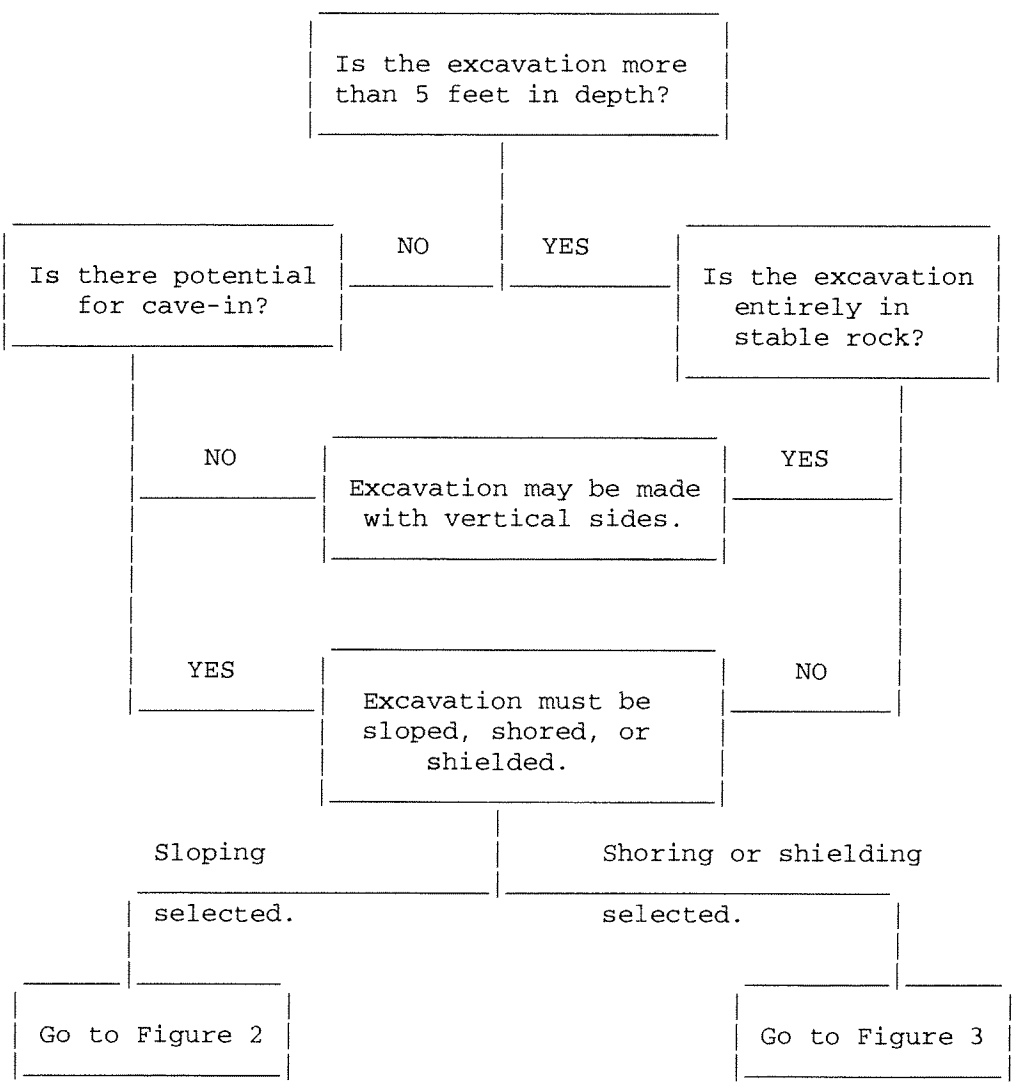

FIGURE 1 - PRELIMINARY DECISIONS

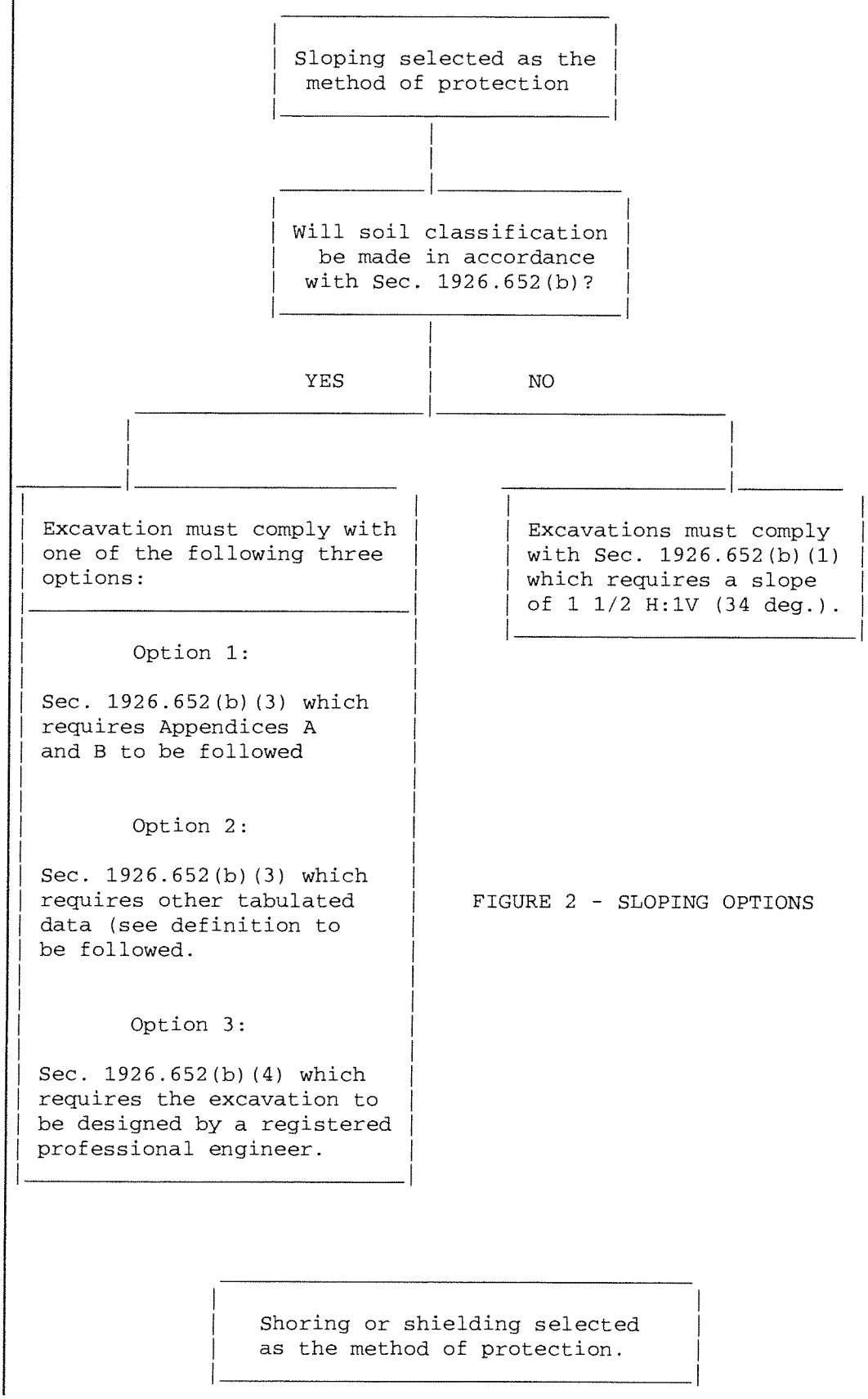


FIGURE 2 - SLOPING OPTIONS

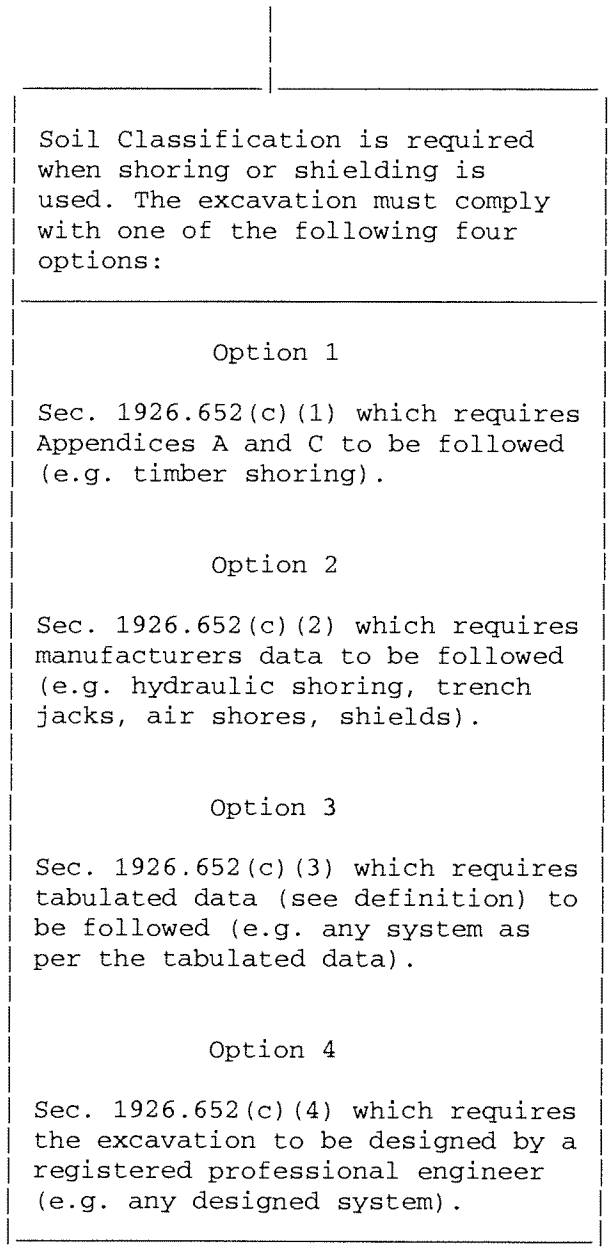


FIGURE 3 - SHORING AND SHIELDING OPTIONS

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# Appendix B

## *GUIDANCE ON INCIDENT INVESTIGATION*

## *AND REPORTING*

C&S ENGINEERS

3. Following the treatment and care of the injured employee, the emergency coordinator or his on-site designee and the project manager will initiate the completion of the first injury report. The Health & Safety Manager will assist.

**Project Manager**

1. Upon notification of a personal injury or illness on the job site, will notify C & S Engineers, Inc, President and Corporate Legal and C&S Companies Health and Safety Manager.
2. Will report to the worksite to initiate the first injury report.
3. Will report to the treatment facility to check on the well being of the injured employee. The project manager will ensure that the treatment facility is aware that this is a workers compensation case.
4. Will assist the Health and Safety Manager in the analysis of the incident.

**Health & Safety Manager**

1. Upon notification of the personal injury will determined if it is necessary to report to the treatment facility or the accident site, depending on the nature of the injuries and the circumstances of the accident.
2. Will report to the worksite to begin a root cause analysis investigation of the accident. The investigation may include interview of witnesses, field crew , and project manager, the photographing of the scene, reconstruction of the accident scene, using test instruments and taking measurements. The Health and Safety Manager may draw diagrams from the information learned.
3. The Health and Safety Manager will work with the owner/client as necessary to investigate the accident.
4. The Health & Safety manager will ensure that the site is safe to resume work.
5. The Health & Safety Manager shall initiate the New York State Compensation form requirements (C-2) and forward a copy of the C-2 to the C & S Engineers, Inc. controller for transmittal to the Compensation Carrier within 8 hrs of notification of the incident or by the end of the next business day.
6. The Health and Safety manager, upon completion of the investigation, will provide the Project Manager with a written investigative report (copy to the President)
7. The accident will be reviewed at the next Project Managers meeting with the intent to prevent further or similar events on other projects.
8. The Health & Safety Manager will assess the incident to determine OSHA record ability and make record if necessary on the OSHA 300 form, within five working days.

**Incident Response**

## 1.0 PURPOSE

To prevent the occurrence of accidents on C&S Engineers, Inc., work sites and to establish a procedure for investigation and reporting of incidents occurring in, or related to C&S work activities.

## 2.0 SCOPE

Applies to all incidents related to C&S Engineers, Inc. work activities.

## 3.0 DEFINITIONS

Accident - An undesired event resulting in personal injury and/or property damage, and/or equipment failure.

Fatality - An injury or illness resulting in death of the individual.

Incident - Any occurrence which results in, or could potentially result in, the need for medical care or property damage. Such incidents shall include lost time accidents or illness, medical treatment cases, unplanned exposure to toxic materials or any other significant occurrence resulting in property damage or in "near misses."

Incidence Rate - the number of injuries, illnesses, or lost workdays related to a common exposure base of 100 full-time workers. The rate is calculated as:

N/EH x 200,000

N = number of injuries and illnesses or lost workday cases; EH = total hours worked by all associates during calendar year. 200,000 = base for 100 full-time equivalent workers (working 40 hours per week, 50 weeks per year).

Injury - An injury such as a cut, fracture, sprain, amputation, etc. which results from a work accident or from a single instantaneous event in the work environment.

Lost Workday Case - A lost workday case occurs when an injured or ill employee experiences days away from work beginning with the next scheduled work day. Lost workday cases do not occur unless the employee is effected beyond the day of injury or onset of illness.

Recordable Illness - An illness that results from the course of employment and must be entered on the OSHA 300 Log and Summary of Occupational Injuries and Illnesses. These illnesses require medical treatment and evaluation of work related injury. For example, dermatitis, bronchitis, irritation of eyes, nose, and throat can result from work and non-work related incidents.

Recordable Injury - An injury that results from the course of employment and must be entered on the OSHA 300 Log and Summary of Occupational Injuries and Illnesses. These injuries require medical treatment; may involve loss of consciousness; may result in restriction of work or motion or transfer to another job; or result in a fatality.

Near Miss - An incident which, if occurring at a different time or in a different personnel or equipment configuration, would have resulted in an incident.

## 4.0 RESPONSIBILITIES

Employees - It shall be the responsibility of all C&S Engineers, Inc. employees to report all incidents as soon as possible to the HSC, regardless of the severity.

Human Resources - has overall responsibility for maintaining accident/ incident reporting and investigations according to current regulations and recording injuries/ illness on the OSHA 300 log, and posting the OSHA 300 log.

Emergency Coordinator - It is the responsibility of the Emergency Coordinator to investigate and prepare an appropriate report of all accidents, illnesses, and incidents occurring on or related to C&S Engineers, Inc. work. The Emergency Coordinator shall complete Attachment A within 24 hours of the incident occurrence.

Health and Safety Manager (HSM) - It is the responsibility of the HSM to investigate and prepare an appropriate report of all lost time injuries and illnesses and significant incidents occurring on or related to C&S Companies. The HSM shall maintain the OSHA 300 form.

Project Managers (PM) - It shall be the PM's responsibility to promptly correct any deficiencies in personnel, training, actions, or any site or equipment deficiencies that were determined to cause or contribute to the incident investigated.

## 5.0 GUIDELINES

### 5.1 Incident Investigation

The Project Manager will immediately investigate the circumstances surrounding the incident and will make recommendations to prevent recurrence. The HSM shall be immediately notified by telephone if a serious accident/ incident occurs. The incident shall be evaluated to determine whether it is OSHA recordable. If the incident is determined to be OSHA 300 recordable, it shall be entered on the OSHA 300 form.

The Project Manager with assistance from the HSM must submit to the office an incident report form pertaining to any incident resulting in injury or property damage.

## 5.2 Incident Report

The completed incident report must be completed by the Project Manager within 12 hours of the incident and distributed to the HSM, and Human Resources. This form shall be maintained by Human Resources for at least five years for all OSHA recordable cases. This form serves as an equivalent to the OSHA 101 form.

## 5.3 Incident Follow-up Report

The Incident Follow-Up Report (Attachment B) shall be distributed with the Incident Report within one week of the incident. Delay in filing this report shall be explained in a brief memorandum.

## 5.4 Reporting of Fatalities or Multiple Hospitalization Accidents

Fatalities or accidents resulting in the hospitalization of three or more employees must be reported to OSHA verbally or in writing within 8 hours. The report must contain 1) circumstances surrounding the accident(s), 2) the number of fatalities, and 3) the extent of any injuries.

## 5.5 OSHA 300A Summary Form

Recordable cases must be entered on the log within six workdays of receipt of the information that a recordable case has occurred. The OSHA log must be kept updated to within 45 calendar days.
OSHA 300 forms must be updated during the 5 year retention period, if there is a change in the extent or outcome of an injury or illness which affects an entry on a log. If a change is necessary, the original entry should be lined out and a corrected entry made on that log. New entries should be made for previously unrecorded cases that are discovered or for cases that initially weren't recorded but were found to be recordable after the end of the year. Log totals should also be modified to reflect these changes.

### 5.5.1 Posting

The log must be summarized at the end of the calendar year and the summary must be posted from February 1 through May 31.

## 5.6 OSHA 300A

Facilities selected by the Bureau of Labor Statistics (BLS) to participate in surveys of occupational injuries and illnesses will receive the OSHA 300A. The data from the annual summary on the OSHA 300 log should be transferred to the OSHA 300A, other requested information provided and the form returned as instructed by the BLS.

### 5.7 Access to OSHA Records

All OSHA records (accident reporting forms and OSHA 300 logs) should be available for inspection and copying by authorized Federal and State government officials.

Employees, former employees, and their representatives must be given access for inspection and copying to only the log, OSHA No. 300, for the establishment in which the employee currently works or formerly worked.

## 6.0 REFERENCES

29 CFR Part 1904

## 7.0 ATTACHMENTS

Attachment A - Incident Investigation Form
Attachment B - Incident Follow-Up Report
Attachment C - Establishing Recordability

**ATTACHMENT A**

**INCIDENT INVESTIGATION FORM**

Accident investigation should include:

Location: _____

Time of Day: _____

Accident Type: _____

Victim: _____

Nature of Injury: _____

Released Injury: _____

Hazardous Material: _____

Unsafe Acts: _____

Unsafe Conditions: _____

Policies, Decisions: _____

_____

Personal Factors: _____

_____

Environmental Factors: _____

_____

_____

**ATTACHMENT B**

Date _____

Foreman: _____

**INCIDENT FOLLOW-UP REPORT**

Date of Incident: _____

Site: _____

Brief description of incident: _____

_____

_____

_____

_____

Outcome of incident: _____

_____

_____

_____

Physician's recommendations: _____

_____

_____

_____

Date the injured returned to work: _____

Project Manager Signature: _____

Date: _____

ATTACH ANY ADDITIONAL INFORMATION TO THIS FORM

## ATTACHMENT C

## ESTABLISHING RECORDABILITY

1. Deciding whether to record a case and how to classify the case.

   Determine whether a fatality, injury or illness is recordable.

   A fatality is recordable if:

   - Results from employment

   An injury is recordable if:

   - Results from employment and
   - It requires medical treatment beyond first aid or
   - Results in restricted work activity or job transfer, or
   - Results in lost work day or
   - Results in loss of consciousness

   An illness is recordable if:

   - It results from employment

2. Definition of "Resulting from Employment"

   Resulting from employment is when the injury or illness results from an event or exposure in the work environment. The work environment is primarily composed of: 1) The employer's premises, and 2) other locations where associates are engaged in work-related activities or are present as a condition of their employment.

   The employer's premises include company rest rooms, hallways, cafeterias, sidewalks and parking lots. Injuries occurring in these places are generally considered work related.

   The employer's premises EXCLUDES employer controlled ball fields, tennis courts, golf courses, parks, swimming pools, gyms, and other similar recreational facilities, used by associates on a voluntary basis for their own benefit, primarily during off work hours.

   Ordinary and customary commute, is not generally considered work related.

   Employees injured or taken ill while engaged in consuming food, as part of a normal break or activity is not considered work related. Employees injured or taken ill as the result of smoking, consuming illegal drugs, alcohol or applying make up are generally not considered work related. Employee injured by un authorized horseplay is generally not considered work related, however, an employee injured as a result of a fight or other workplace violence act, may be considered work related.

Associates who travel on company business are considered to be engaged in work related activities all the time they spend in the interest of the company. This includes travel to and from customer contacts, and entertaining or being entertained for purpose of promoting or discussing business. Incidents occurring during normal living activities (eating, sleeping, recreation) or if the associate deviates from a reasonably direct route of travel are not considered OSHA recordable.

3. Distinction between Medical Treatment and First Aid.

First aid is defined as any one-time treatment, and any follow up visit for the purpose of observation, of minor scratches, cuts, burns, splinters, etc., which do not ordinarily require medical care. Such one time treatment, and follow up visit for the purpose of observation, is considered first aid even though provided by a physician or registered professional personnel.

Medical Treatment (recordable)

a) They must be treated only by a physician or licensed medical personnel.

b) They impair bodily function (i.e. normal use of senses, limbs, etc.).

c) They result in damage to physical structure of a non superficial nature (fractures).

d) They involve complications requiring follow up medical treatment.

# APPENDIX B

## COMMUNITY AIR MONITORING PLAN

# Community Air Monitoring Plan

# for

# Hope On Main Site
# 954 and 1000 Main Street
# Buffalo, Erie County, New York

**June 2023**

# Community Air Monitoring Plan

## Overview

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

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary.

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

**Periodic monitoring** for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

<u>VOC Monitoring, Response Levels and Actions</u>

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

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

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

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

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

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time

monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

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

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

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

**Fugitive Dust and Particulate Monitoring**

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

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

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the

excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

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

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

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

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative, this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM-10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed.

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

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

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

prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

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

Field activities will be reported daily including: date/weather, description/photos of work, Community Air Monitoring station data, and a figure indicating work location. Additionally, exceedances should be reported to the State promptly and highlighted on the daily reports.

# APPENDIX C

## QUALITY ASSURANCE PROJECT PLAN

## Brownfield Cleanup Program

# Quality Assurance Project Plan

**Hope On Main Site – Phase 1**

**Site No. C915393**

954 and 1000 Main Street

City of Buffalo, Erie County, New York

**Prepared for:**

SAB Hope, LLC

100 South Elmwood Avenue, Suite 100

Buffalo, New York 14202

**January 2024**

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Attachment A – Supporting Documentation for PFAS Analysis

# 1 Introduction

C&S' Quality Control (QC) Program is a vital part of its approach to remedial investigations. Through our thorough QC program, our firm is able to provide accurate and dependable data. QC also provides safe working conditions for field staff.

The QC program contains procedures, which provide for collected data to be properly evaluated, and which document that quality control procedures have been followed in the collection of samples. The QC program represents the methodology and measurement procedures used in collecting quality field data. This methodology includes the proper use of equipment, documentation of sample collection, and sample handling practices.

Procedures used in the firm's QC program are consistent with federal, state, and local regulations, as well as, appropriate professional and technical standards.

This QC program has been organized into the following areas:

- QC Objectives
- Field Sampling Techniques
    - Procedures
    - Preparation
    - Measurement
    - Decontamination
- Sample Management

# 2 Quality Control Objectives

## 2.1 Data Quality Objectives

Data Quality Objectives (DQOs) are statements which describe the desired quality of data necessary to meet the objectives of the sampling program. The DQOs for the site sampling program were formulated during the scoping effort and developed as part of this Plan. The general steps followed in preparation of the DQOs were as follows:

- *Identification of the media to be sampled* - Identifies the media being investigated (e.g., ground water, surface soil).

- *Identification of the data uses* - Identifies the intended use of the data according to the following:
  - Site Characterization - Data are used to determine the composition, nature, and extent of contamination.
  - Risk Assessment - Data are used to evaluate the actual or potential risks posed by contaminants determined to be present on-site. Particular attention is given to sampling at locations where human exposure is possible.
  - Health and Safety Plan (HASP) - Data are used to establish the level of protection needed for on-site workers during site characterization activities.
  - Monitoring - Data are used during the monitoring of the remedial action to access the effectiveness of such action.
  - PRP Enforcement - Data are used to help establish potentially responsible parties (PRP's).
  - Evaluation of Alternatives - Data are used to evaluate various proposed remedial technologies and assist in proper design of alternatives.

- *Identification of the data types* - Identifies what types of analyses are to be performed.

- *Sample Collected* - Describes the sample types to be collected.
  - Environmental - Refers to a specific media sampled such as water, soil, air, or biological.
  - Source - Refers to sampling an actual contamination source.
  - Grab - A discrete sample representative of a specific location.
  - Composite - A sample that represents a mixture of a number of grab samples that represents the average properties over the extent of areas sampled.
  - Biased -Sampling that focuses on a specific area of expected contamination or uncontaminated area (background).

- *Identification of the data quality needs* - Identifies the analytical options available to support data collection activities and are identified as follows:
  - Level I: *Field Screening* - portable type instruments which provide real-time data.
  - Level II: *Field Analysis* - portable analytical instruments in an on-site lab or transported to the site.

- Level III: *Standard Analytical Protocols* - standard analytical protocols or without the NYSDEC Analytical Services Protocol (ASP) (2000) deliverables/reportables documentation.
- Level IV: *NYSDEC ASP Reportables/Deliverables* - rigorous QA / QC protocols and reportables/deliverables documentation; NYSDEC ASP (2000) Category B deliverables.
- Level V: *Non-Standard* - methods which have been modified to meet specific site study or remediation needs or by use of some other specialized analytical methods that cannot be obtained through standard or typical avenues of analytical support.

► *Identification of Data Quality Factors* - Describes factors which influence the quality or quantity of data to be collected. Primary contaminants and associated levels of concern are identified concerning ARARs or potential risks. The required detection limit are also given or referenced.

► *Identification of QA / QC Samples* - Specifies additional samples to be collected to support Quality Assurance / Quality Control (QA / QC) procedures. Additional samples to be collected could include:
- *Matrix Spike/Matrix Spike Duplicates* - Matrix spike and matrix spike duplicate samples are collected as a duplicate sample to which the analytical laboratory will add known amounts of target analytes. These QA / QC samples are intended to assess the extraction procedure used by the laboratory.
- *Blind Duplicates* – Blind duplicates are a duplicate of another sample submitted for analysis. The location of the sample is recorded in the field book and not disclosed on the chain of custody. These QA / QC samples are intended to assess the repeatability of analysis by the laboratory.
- *Field Blanks* - Field (equipment) blanks are samples which are obtained by running analyte-free water through the sample collection equipment in a way that is identical to the sample collection procedures. Field blanks may be used during QA / QC procedures to evaluate if sampling equipment has contributed contaminants to the samples.
- *Trip Blanks* - Trip blanks are samples which are prepared prior to the sampling event in the same type of sample container and are kept with the collected samples throughout the sampling event unit analysis. Trip blank vials are not opened in the field and are analyzed for volatile organics only.

## 2.2 Sampling Procedures

All sampling objectives, locations, and procedures have been included as the Remedial Investigation Work Plan (RIWP) and are further described in Section 3. Items including Field Measurement Techniques, General Field Decontamination, and Sample Management have also been included in Sections 3 and 4.

## 2.3 Laboratory Certification and Coordination

The Environmental Laboratory Approval Program (ELAP) certification is an accreditation issued by the New York State Department of Health (NYSDOH). Such laboratories have demonstrated that they consistently ensure the accuracy and reliability of samples analyzed. All chemical analyses for samples from the site will be completed by an ELAP laboratory capable of performing project specific analyses as indicated in this QA / QC plan. The project QA / QC Officer will also be responsible for all project related laboratory coordination.

Supporting documentation related to per- and polyfluoroalkyl substances (PFAS) analysis, such as standard operating procedures (SOPs), analyte lists, and method detection limits (MDLs) are provided in **Attachment A**.

## 2.4 Analytical Methodologies

Sampling and analysis will be performed for the Target Compound List (TCL) parameters including volatiles. The specific analyses will be conducted according to the following NYSDEC ASP 2000 methodologies:

| Parameter Group | Analysis Method |
|---|---|
| Volatiles | 8260C or TO-15 for air |
| Semivolatiles | 8270D |
| PCBs | 8082A |
| Pesticides | 8081B |
| Herbicides | 8151A |
| Metals / Inorganics | 6010D, 7471B, 9010C/9012B, 7196A |
| PFOA/PFOS | LC-MS/MS using 537.1 methodologies |

Samples will be analyzed by Alpha Analytical in Westborough, MA, and the data will be presented in Category B reportables / deliverables format.

## 2.5 Analytical Quality Control

Analytical quality control for this Project will be consistent with the methodology and quality assurance/quality control requirements in the NYSDEC ASP 2000.

The tables on the following page detail sample volumes, containers, preservation, and holding time for typical analytes.

## 2.6 Data Usability Summary Report

A Data Usability Summary Report (DUSR) will be prepared by Environmental Data Usability in Dansville, NY consistent with NYSDECs Guidance for the Development of Quality Assurance Plans and Data Usability Summary Reports as given in DER-10. The main objective of the DUSR is to determine whether the data presented meets the project specific

needs for data quality and data use.

**Table 2.5a**
**Water Samples**

| Type of Analysis | Type and Size of Container | Number of Containers and Sample Volume (per sample) | Preservation | Holding Time Until Extraction/ Analysis |
|---|---|---|---|---|
| VOCs | 40-ml glass vial with Teflon-backed septum | Two (2); fill completely, no headspace | Cool to 4° C (ice in cooler), Hydrochloric acid to pH <2 | 14 days |
| Semi-volatile Organic Compounds (SVOCs) | 1,000 or 200-ml amber glass jar | One (1); fill completely | Cool to 4° C (ice in cooler) | 7/40 days |
| Pesticides | 1,000-ml amber glass jar | One (1); fill completely | Cool to 4° C (ice in cooler) | 7/40 days |
| Polychlorinated biphenyls (PCBs) | 1,000-ml amber glass jar | One (1); fill completely | Cool to 4° C (ice in cooler) | 7/40 days |
| Metals | 250-ml HDPE | One (1); fill completely | Cool to 4° C (ice in cooler) Nitric acid to pH <2 | 180 days (28 for mercury) |
| Cyanide | 1,000-mL HDPE | | Cool to 4° C (ice in cooler) Nitric acid to pH <2 | 14 days |

*Note:*
*All sample bottles will be prepared in accordance with USEPA bottle washing procedures.*
*Consult with laboratory as bottleware may vary by laboratory.*
*Holding time begins at the time of sample collection.*

**Table 2.5b**
**Soil Samples**

| Type of Analysis | Type and Size of Container | Number of Containers and Sample Volume (per sample) | Preservation | Holding Time Until Extraction/ Analysis |
|---|---|---|---|---|
| VOCs | 4-oz, glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 14 days |
| VOCs via EPA 5035 | 40 mL vials with sodium bisulfate, methanol, and/or DI water | Three (3), 5 grams each | Cool to 4° C (ice in cooler) | 2 days |
| SVOCs | 4-oz, glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 7/40 days |
| PCBs | 4-oz, glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 7/40 days |
| Pesticides | 4-oz, glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 14/40 days |
| Metals | 4-oz. glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 180 days (28 for mercury) |
| Cyanide | 4-oz, glass jar with Teflon-lined cap | One (1), fill as completely as possible | Cool to 4° C (ice in cooler) | 14 days |

Applicable information for PFAS samples is as follows:

*Note:*
*All sample bottles will be prepared in accordance with USEPA bottle washing procedures.*
*Consult with laboratory as bottleware may vary by laboratory.*
*Holding time begins at the time of sample collection.*

## Table 2.5c
## PFAS Samples

| Matrix | Type and Size of Container | Number of Containers and Sample Volume (per sample) | Preservation | Holding Time Until Extraction / Analysis |
|---|---|---|---|---|
| **Water** | 2 – 250 ml polypropylene | Two (2) fill as completely as possible | Cool to 4°C (ice in cooler) 1.25 grams Trizma | 14 days to extraction<br>28 days after extraction |
| **Soil** | 1 – 250 ml HDPE or polypropylene | One (1) fill as completely as possible | Cool to 4°C (ice in cooler) | 28 days |

# 3 Field Sampling Plan

## 3.1 Sampling Procedures

The following sections provide procedures for collecting a variety of samples, not all of which will be needed at this site.

### *3.1.1 Preparation for Sampling*

The sample collection technique is of prime importance to assure the integrity of the collected sample. The following techniques include provisions so that:

- A representative sample is obtained;
- Contamination of the sample is minimized;
- The sample is properly preserved; and
- An acceptable Chain-of-Custody record is maintained.

The QA / QC Sampling Component of the Plan includes:

- Incorporation of accepted sampling techniques referenced in the sampling plan;
- Procedures for documenting any field actions contrary to the QA / QC Plan;
- Documentation of all preliminary activities such as equipment check-out, calibrations, and container storage and preparation;
- Documentation of field measurement quality control data (quality control procedures for such measurements shall be equivalent to corresponding QC procedures);
- Documentation of field activities;
- Documentation of post-field activities including sample shipment and receipt, field team debriefing, and equipment check-in;
- Generation of quality control samples including duplicate samples, field blanks, equipment blanks, and trip blanks;
- The use of these samples in the context of data evaluation with details of the methods employed (including statistical methods) and of the criteria upon which the information generated will be judged; and
- The number of QA / QC samples generally required are shown in the following table. When there is a disagreement with QA / QC sample numbers and types, between this document and a Work Plan, the Work Plan shall prevail.

**Table 3-1**
**QA / QC Samples**

| Sample Type | Analysis | Number | Note |
|---|---|---|---|
| MS / MSD | Full Suite | Every sample batch, or minimum of 5% (1 per 20) | Two additional samples at a given location |
| Trip Blank | VOC | One per day or 5% (1 per 20), whichever is more frequent | Vials of clean water provided by laboratory. Packed with collected samples. |
| Field Blank | PFAS | One per day or 5% (1 per 20), or whichever is more frequent | Clean water passed through / over decontaminated sample collection equipment / tubing |
| Blind Duplicate | Same as field sample | Every sample batch, or minimum of 5% (1 per 20) | An additional sample at a given location |

The personnel responsible for collection of groundwater, soil, air, miscellaneous media, and petroleum spill remediation / verification samples will be familiar with standard sampling procedures and follow the appropriate protocol. Field records will be maintained in bound notebooks with numbered pages to document daily instrument calibration, locations sampled, field observations, and weather conditions. Each page will be dated and signed by the sampler. Each notebook will be numbered and a log of notebooks will be maintained by the project manager.

Prior to sampling, all equipment must be procured and accommodations for sample container delivery, and sample shipment must be made. The following is a list of general equipment that would be on hand for sampling events. Special equipment for each sampling event is presented in the section describing that specific sampling event.

General Field Sampling Equipment

- Field Data Sheets
- Chain-of-Custody forms
- Engineers tape and folding ruler with 0.01 foot intervals
- Field Record Sheets
- Latex gloves
- Face-safety shield
- Tyvek coveralls
- Respirators
- Photoionization detector
- Bio-degradable phosphate free detergent
- Coolers and ice (no blue ice)
- Drums
- Sample bottles
- Aluminum foil
- Duct and filament tape
- Tap water
- Distilled water
- Laboratory grade methanol and hexane
- Wash buckets
- Decontamination towels / cloths
- Large disposal containers
- Large plastic sheets

## 3.2 Sample Collection Techniques

### *3.2.1 Surface Soil Sampling*

Surface soil samples will be collected at the locations and depths indicated in the Work Plan. When sampling is conducted in areas where a vegetative turf has been established, a pre-cleaned trowel or shovel will be used to remove the turf so that it may be replaced at the conclusion of sampling. Samples will then be collected using a pre-cleaned, stainless steel spoon. When the sample is obtained, it will be deposited into a pre-cleaned stainless steel bowl or plastic pail for mixing prior to filling the sample containers. The soil will be mixed thoroughly until the material is homogenized. At that point, the soil will be placed into the laboratory provided containers.

Once removed from the ground the soil will immediately be observed for soil characteristics, including general soil type (sand, silt, clay), moisture, and evidence of impairment ((e.g. petroleum or chemical odors, staining, volatile organic vapors as measured by a photoionization detector (PID)). The PID will be calibrated daily (and more often as required by the manufacturer's data) prior to use in the field, using calibration test gases.

When PFAS sampling / testing is required, no sampling equipment components or sample containers should come into contact with aluminum foil, LDPE, glass, or Teflon tape. Acceptable equipment includes stainless steel spoons and bowl, HDPE containers, and steel shovels or augers that are not coated.

### *3.2.2 Subsurface Soil Sampling – Direct Push Drilling*

#### *3.2.2.1 Boring Advancement*

Generally, soil borings will be advanced with a Geoprobe direct push sampling system. The use of direct push technology allows for rapid sampling, observation, and characterization of relatively shallow overburden soils. The Geoprobe utilizes a four to five-foot macrocore sampler, with disposable polyethylene sleeves. Soil cores will be retrieved in four or five-foot sections, and can be easily cut from the polyethylene sleeves for observation and sampling. The macrocore sampler will be decontaminated between boring locations using an alconox and water solution.

Prior to initiating drilling activities, the Macrocores, drive rods, and pertinent equipment, will be steam cleaned or washed with an alconox and water solution. This cleaning procedure will also be used between each boring. Throughout and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 2-inch (or larger) inside diameter (ID) direct push Macrocore through overburden soils. Drilling fluids, other than potable water will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

### *3.2.3 Subsurface Soil Sampling – Hollow Stem Auger*

The drilling and installation of monitoring wells will be performed using a rotary drill rig which will have sufficient capacity to perform 4 1/4-inch ID hollow-stem auger drilling in the overburden, retrieve Macrocore or split-spoon samples. Equipment sizes and diameters may vary based on project-specific criteria. Any investigative derived waste generated during the advancement of soil borings and monitoring well installations will be containerized and characterized for proper disposal.

Prior to initiating drilling activities, the augers, rods, Macrocore, split spoons, and other pertinent equipment will be steam cleaned or washed with an alconox and water solution. This cleaning procedure will also be used between each boring. Steam cleaning activities will be performed in a designated on-site decontamination area. During and after the cleaning processes, direct contact between the equipment and the ground surface will be avoided. Plastic sheeting and/or clean support structures (e.g., pallets, sawhorses) will be used.

Test borings will be advanced with 4 1/4-inch ID hollow stem augers through overburden, driven by truck-, track-, or trailer-mounted drilling equipment. Alternative methods of drilling or equipment may be allowed or requested for project specific criteria, but must be approved by the NYSDEC. Drilling fluids, other than water from a NYSDEC-approved source, will not be allowed without special consideration and agreement from NYSDEC. The use of lubricants is also not allowed unless approved by the NYSDEC representative.

Hollow stem auger advanced groundwater-monitoring wells typically utilize minimum 2-inch threaded flush joint PVC pipe with 0.010-in. slotted screen or pre-packed well screens. PVC piping used for risers and screens will conform to the requirements of ASTM-D 1785 Schedule 40 pipe. All materials used to construct the wells will be NSF / ASTM approved. Solvent PVC glue shall not be used at any time in the construction of the wells. The bottom of the screen shall be sealed with a treated wood cap or plastic plug. No lead shot or lead wool is to be employed in sealing the bottom of the well or for sealant at any point in the well.

#### *3.2.3.1 Subsurface Soil Sample Screening and Collection*

When polyethylene sleeves or split spoons are removed from borings, the soil will immediately be observed for soil characteristics, including general soil type (sand, silt, clay), moisture, confining layers, and evidence of impairment (e.g. petroleum or chemical odors, staining, volatile organic vapors as measured by a PID – ex-situ and headspace). Generally, sample selection is based on evidence of impairment, depth, spatial distribution, or for delineation purposes. Normally, sample locations will not be known until the end of each day in the field. Therefore, samples for potential analysis will be placed in new Ziploc bags and placed on ice until they are placed into laboratory provided glassware.

When PFAS sampling / testing is required, no sampling equipment components or sample containers should come into contact with aluminum foil, LDPE, glass, or Teflon tape. Acceptable equipment includes stainless steel spoons and bowl, HDPE containers, and steel tools that are not coated.

### *3.2.4 Groundwater Monitoring Well Construction / Completion*

**Artificial Sand Pack**
When utilized, granular backfill will be chemically and texturally clean, inert, siliceous, and of appropriate grain size for the screen slot size and the host environment. The sand pack will be installed using a tremie pipe, when possible (i.e., a tremie pipe may not fit into smaller, 2-inch diameter boreholes). When utilized, the well screen and casing will be installed, and the sand pack placed around the screen and casing to a depth extending at least 2 feet above the top of the screen. A pre-packed well screen may be used if pre-approved by the NYSDEC.

**Bentonite Seal**
A minimum 2-foot thick seal will be placed directly on top of the sand pack, and care will be taken to avoid bridging. In the event that Site geology does not allow for a 2-foot seal (e.g., only 1-foot of space remains between the top of the sand pack and ground surface), the remaining space in the annulus will be filled with bentonite.

**Grout Mixture**
Upon completion of the bentonite seal, the well may be grouted with a 30% solids pure bentonite grout, a non-shrinking cement grout, a cement / bentonite grout mix, or a bentonite / soil mix as indicated in the Work Plan. The grout will be placed from the top of the bentonite seal to the ground surface.

**Surface Protection**
At all times during the progress of the work, precautions shall be used to prevent tampering with or the entrance of foreign material into the well. Upon completion of the well, a suitable cap shall be installed to prevent material from entering the well. Where permanent wells are to be installed, the well riser shall be protected by a flush mounted road box set into a concrete pad or locking well cap for stick-up wells. A concrete pad, sloped away from the well, shall be constructed around the flush mount road box or stick-up casing at ground level.

Any well that is to be temporarily removed from service or left incomplete due to delay in construction shall be capped with a watertight cap.

**Surveying**
Coordinates and elevations will be established for each monitoring well and sampling location. Elevations to the closest 0.01 foot shall be used for the survey. These elevations shall be referenced to a regional, local, or project-specific datum. The location, identification, coordinates, and elevations of the wells will be plotted on maps with a scale large enough to show their location with reference to other structures at each site.

**Well Development**
After completion of the well, but not sooner than 48 hours after grouting is completed, development will be accomplished using pumping, bailing, and / or surge blocking. No dispersing agents, acids, disinfectants, or other additives will be used during development

or introduced into the well at any other time. During development, water will be removed throughout the entire water column by periodically lowering and raising the pump intake (or bailer stopping point).

Water elevations will be taken on all wells prior to development, purging, and sampling. All measurements will be taken within a 24-hour period to obtain consistent elevations and recorded on well data sheets. The procedure for measuring water levels in the monitoring wells is:

- Unlock and remove well cap;
- Test the atmosphere of the well with the calibrated PID. If the gases from the well have caused the air in the breathing zone to read greater than 5 ppm, stop work and refer to the HASP
- Measure water level to nearest 0.01 foot with a water level indicator (electronic).
- Water level indicators will be decontaminated before moving to next well. The tape and cable are decontaminated by washing in a bucket of distilled water-biodegradable phosphate free-detergent solution, followed by a rinse with distilled water.

Development water will either be properly contained and treated as waste until the results of chemical analysis of samples are obtained or discharged on Site as determined by the Site-specific work plans and/or consultation with the NYSDEC representatives on Site.

The development process will continue until removal of a minimum of 110% of the water lost during drilling, three well volumes; whichever is greater (or as specified in the Work Plan), and when water quality monitoring demonstrates stabilization of the effluent. The water quality meter will be calibrated prior to each sampling event (and more often as required by the manufacturer's data), using calibration fluids. Stabilization criteria is shown in the table below. In the event that limited recharge does not allow for the recovery of all drilling water lost in the well or three well volumes, the well will be allowed to stabilize to conditions deemed representative of groundwater conditions. Stabilization periods will vary by project but will be confirmed with the NYSDEC prior to sampling.

**Table 3-2**
**Well Development Stabilization Criteria**

| Parameter | Stabilization Criteria |
|---|---|
| pH | Difference of ±0.2 |
| specific electric conductance | Difference of ± 3% |
| temperature | Difference of ± 0.5 ºC |
| turbidity | ±10% (when turbidity is greater than 10 NTUs) |
| oxidation -reduction potential (ORP) | ± 20 millivolts |
| dissolved oxygen (DO) | 10% or ±0.2 mg/L, whichever is greater |

Groundwater samples will be collected using a dedicated low flow pump. When analysis is limited to VOCs, samples may be collected with disposable or stainless steel bailers. When

PFAS sampling / testing is required, only the following equipment will be permitted:

- Stainless steel inertia pump with HDPE tubing
- Peristaltic pump with HDPE and silicone tubing
- Stainless steel bailer with stainless steel ball
- Bladder pump (identified as PFAS-free) with HDPE tubing

All sampling equipment will be properly decontaminated in the field (see Section 3.4). The following equipment will be available for sampling of monitoring wells in addition to the general sampling equipment list:

- Well Data Sheets
- Pump
- Electronic water level indicator
- Water Quality Meter
- Acid resistant gloves

The following activities will be completed before going into the field every day before the start of sampling:

1. Fill out appropriate section on Well Data Sheet for the wells to be sampled;
2. Obtain the sampling schedule for each well to be sampled;
3. Calibrate the PID with the calibration gas;
4. Determine the amount of sampling to be done for the day and prepare the necessary number of coolers;
5. Each well to be sampled will have designated coolers containing the pre-labeled, certified clean, sample bottles. The groundwater samples will be placed in the cooler labeled for the well from which they were taken. The bottle shall be labeled with large distinguishable letters, so that the groundwater samples will be placed in the proper cooler; and
6. Select the appropriate sample bottles for the day's sampling. The bottles shall be pre-marked with a sample parameter and preservatives. Reusable glass bottles will have been cleaned and prepared at the laboratory. The bottles for the various parameters to be analyzed from each well location will then be placed in a cooler.

The following steps describe the sample collection of groundwater:

1. Unlock and remove the well cap;
2. When VOCs are a contaminant of concern, test the air at the wellhead with the calibrated PID. If the gases from the well have caused the air in the breathing zone to read greater than 5 ppm, stop work and refer to the HASP. Record the reading on the Well Data Sheet;
3. In order to obtain a representative sample of the formation water, the well must be purged of the static water within the well. Prior to purging, the static water level within the well must be measured and the measurement recorded on the Well Data Sheet. To determine the amount of water necessary to purge, find the liquid column height in the well to determine the total volume (three liquid column borehole

volumes) of liquid to be purged;
4. Purge the well; lower pump slowly into the well until it is below the water surface. In accordance with the Work Plan, purge waters will either be disposed within the vicinity of the respective well or containerized.
5. Record the amount of water purged in the field logbook and on the Well Data Sheet.
6. If the well goes dry during pumping, allow for full recovery (measure the water level) and then sample. If recovery takes more than twenty minutes, proceed to next well but return to sample within 24 hours.
7. Fill the appropriate sample bottles according to the sampling schedule for each well. While filling the sample bottles, record the well number, type, volume of container, and the preservatives used on the Ground Water Sampling Analyses form.
8. The preservatives for the various sampling parameters were previously added to the clean sample bottles by the laboratory. Some parameters may require additional special handling.
9. Volatile organics analyses sample vials must be free of air bubbles. When a bubble-free sample has been obtained, it must be immediately chilled.
10. Collect the matrix spike duplicates, duplicates, field blanks, and trip blanks, as applicable. Take samples according to sampling schedule presented in the Work Plan.
11. Record all pertinent information in field logbook and on the Well Data Sheet (include color, odor, sediment content of sample, etc.). Any situations at the site that have the potential to interfere with the analytical results should also be recorded here.
12. Lock well, inspect well site, and note any maintenance required.
13. Dispose of potentially contaminated materials in designated container.

### *3.2.5 Air Sample Collection*

**Indoor Air Sampling**

Indoor air samples will be collected using a SummaTM canister (1-Liter capacity) equipped with a critical orifice flow regulation device sized to allow an air sample to be collected over a 24-hour sampling period. Care is taken to deploy the canisters away from the direct influence of any forced air emanating from air conditioning units, central air conditioning vents, furnaces or heaters. The indoor air sampling procedure is as follows:

- Building spaces are examined to determine a location for deploying the sample. The canister is deployed in areas not subject to disturbances and which will not interfere with the occupant's normal activities.
- Building occupants are requested to keep out of the sampling area during the sampling event.
- Air sample canisters are labeled with a unique sample designation number. The sample number and location is recorded in the field log book.
- The canister vacuum is measured using an integrated vacuum gauge immediately prior to canister deployment, and recorded in the field log book. The critical orifice flow controller is installed, as supplied by the laboratory, on the canister, the

canister is opened fully at the beginning of sample collection period, and the start time is recorded.

- The canister valve is closed fully at the end of the sample period by disconnecting the regulator from the canister (after 24-hours) and the end time recorded. Any evidence of canister disturbance during the sample collection will be recorded.
- The canister vacuum is measured and recorded immediately after canister retrieval at the end of the sample period. Once the vacuum is measured, the canisters are returned to their sampling boxes for safe storage and shipping. Field data is verified as correctly entered into field books prior to shipment; and canisters are shipped to the laboratory under a chain-of-custody.

**Sub-Slab Soil Gas Sampling**

Sub-slab sampling points are installed to collect soil gas immediately below the slab. Sub-slab gas samples are collected using a 1-Liter Summa™ canister fitted with a flow orifice pre-calibrated to collect a 1-Liter sample over a 24-hour period. Once the 24-hour sampling period has been completed, the canister is boxed and shipped to the laboratory for analysis. A brief summary of the sampling protocol is provided below. The sub-slab vapor points are installed by first advancing a small diameter hole (approximately 3/8-inches in diameter) through the floor slab to determine thickness. The holes are drilled via a hammer drill or concrete core. The hole extends through the slab and terminates at the interface with underlying material (i.e. gravel base or soil). A sample point consisting of a length of tubing is placed into the boring. The cored slab annulus is filled with clay placed around the sub-slab vapor point. The bottom of the sub-slab vapor point extends to the bottom of slab. Prior to sub-slab soil gas sample collection, the monitoring point and above grade tubing is purged at a rate not exceeding 200 ml/min. The total volume purged prior to sample collection equals three volumes of air in the open space of tubing and the sample point. At the end of the sampling event, a pressure gauge reading is recorded. The 1-Liter canister with a calibrated 24-hour orifice is connected to the tubing. The following summarizes the above:

- The sub-slab sampling point construction is temporary, with the sampling points securely mounted through the concrete slab and grouted in place using pottery clay.
- Prior to sub-slab soil gas sample collection, the monitoring point and above grade tubing is purged at a rate not exceeding 200 ml/min.
- Samples are collected over a 24-hour period at a flow rate not greater than 200 mL/min.
- Helium is used as a field tracer during sampling. The Helium is introduced into a dome next to the above grade sampling train and Summa™ canister. The helium is read using a helium meter that is capable to read down to 1-2%.
- Field documentation is maintained in a field notebook and on field data forms.

**Ambient Air Sampling**

Ambient air samples are collected in the same manner as the indoor air samples

## 3.3 General Decontamination

The following procedures will be performed for the decontamination of exploration equipment, sampling equipment, and personnel after each drilling/sampling event:

*Drill rig, backhoe, and excavator* - The drill rig, direct-push rig, backhoe, and/or excavator will be cleaned prior to their entrance and exit of the site. Greases and oils will not be used on any down hole equipment during drilling or exploration activities.

*Exploration equipment* - To avoid cross contamination, use of a PID meter and cleaning between each sampling site will be employed on backhoe arms, buckets, hollow stem augers, casing drill rods, down-hole tools, and appurtenant equipment.

*Split spoon sampler* - The split spoon sampler will be scrubbed, cleaned, and put through a series of rinses between each sampling event. A number of split spoon samplers will be used so that one can be utilized for sampling while the others are being cleaned.

*Reusable equipment* - The following steps will be employed to decontaminate reusable equipment:

- Rinse equipment of soil or foreign material with potable water;
- Immerse and scrub equipment with bio-degradable phosphate-free detergent and potable water;
- Immerse and scrub in a potable water rinse without detergent;
- Immerse and scrub in deionized/distilled water;
- Saturate by spraying or immersion in laboratory-grade hexane;
- Air dry and wrap cleaned equipment in foil to carry to next monitoring site to prevent contamination of equipment during transfer; and
- The decontamination wash and rinse water will not be considered hazardous unless visual inspection or monitoring by the PID and other equipment indicate that contaminants may be present. The rinse waters can be discharged on-site if they are not contaminated. If contaminants are expected to be present, the rinsate waters should be placed in 55 gallon drums and stored on-site.

*Disposable equipment* - The following steps will be employed to decontaminate disposable equipment:

- Rinse with potable water;
- Remove all standing liquid from the piece of equipment;
- Dispose of the equipment in a dedicated container for contaminated solids; and
- Dispose of rinse water in 55 gallon drums if contaminants are found to be present.

*Sample containers* - upon filling and capping sample bottles, the outside of the bottle will be wiped off with a clean paper towel. These towels will be disposed of in a dedicated container for contaminated solids.

*Personnel decontamination* - The following procedures will be used to decontaminate sampling personnel.

- After each sampling event chemical resistant gloves will be disposed of in a dedicated container for contaminated solids;
- At the end of each sampling day, Tyvek™ coveralls will be disposed of in a dedicated container for contaminated solids;
- Boots will be rinsed off with water to remove mud, clay, or any other contaminants; and
- Personnel will be required to follow procedures outlined in the HASP.

**Special Considerations When Sampling for PFAS**

- Clothing that contains PTFE material, including Gore-Tex or that have been water-proofed with PFAS materials should be avoided. All clothing worn by sampling personnel should first be laundered multiple times. Acceptable rain gear includes PVC, polyurethane, or rubber. If such materials are required because site conditions warrant additional protection for samplers, their use will be documented in the field notes.
- Decontamination water shall be verified in advance to be PFAS-free through laboratory analysis or certification. Previous results of non-detect for PFAS are acceptable.

# 4 Sample Management Plan

## 4.1 Sample Management

This Sample Management Plan provides procedures to document and track samples and results obtained during this work effort. A series of pre-printed forms with the appropriate information serves as a vehicle for documentation and tracking.

In order to accomplish this task, the documentation materials will include sample labels, sample characterization and Chain-of-Custody sheets, daily field reports, and a sample log.

*Sample Label* - A sample label will be completed for each sample obtained and will be affixed to the sample container. The label is configured in a way to address various types of mediums. Information on the label includes, at a minimum, client name, location, sample description, sample number, date, time, grab sample, composite sample, notes, and sampler's name.

*Sample Characterization & Chain-of-Custody Sheet* - All pertinent field information will be entered onto the sample characterization and chain-of-custody sheets including client name, sample ID, sample description, location of sample, sampling method, number of containers, container type, analysis required, and preservation. The monitoring well form has space allotted for entering information regarding the well including depth to water, well volume, sample pH, temperature, color, etc. The Chain-of-Custody section of the form will document the sample's pathway of sample shipment which will include names of persons delivering/receiving, dates, and times. The reverse side of this form will be used by the laboratory to document analysis performed on the sample. Copies of the completed forms will be retained by the Engineer and the analytical laboratory. The original sample characterization and Chain-of-Custody sheets will be submitted in the Remedial Investigation report along with the laboratory results.

*Daily Field Reports* - Daily activities will be recorded on the Inspection Report form. The purpose of this form will be to summarize the work performed on the site each day. The completed forms will be submitted to the Project Manager on a daily basis for short term site activity and on a weekly basis for site activities of a longer duration.

*Sample Log* - The sample log will be utilized to track each individual sample obtained at the site. The upper portion, "Field Identification" will be completed the day the sample is taken. The form will accompany the sample characterization and Chain-of-Custody form to the laboratory. Personnel at the laboratory will complete the middle section of this form and return it to the Engineer, who will use the document to track incoming results. The bottom of the sheet has space allocated to enter "Recommended Actions" based on laboratory results.

## 4.2 Sample Handling

Each collected sample will be dispensed into the appropriate sample containers for the

type of analysis to be performed. Sampling staff will wear nitrile gloves at all times when handling samples. Appropriate sample preservatives will be added to the sample containers by the contracted analytical laboratory prior to the delivery into the field, except in cases where the sample preservative must be added after sample collection. All samples that require cool storage will be immediately placed in coolers with appropriate packaging materials so as to protect the breakage of sample containers during shipment. The sample coolers will be filled with cubed ice (no "Blue Ice") prior to leaving the sample collection location. In the instance that a local analytical laboratory is contracted, the samples will be hand delivered to the laboratory each sampling day. The chain-of-custody forms will be signed by the laboratory personnel picking up the samples and placed within the coolers. In the instance that an analytical laboratory is contracted which is not based locally and a common carrier is used for sample shipment, the chain-of-custody forms will be signed by the sampler and the carrier personnel and placed inside of the coolers. Careful packaging techniques will be used to prevent sample containers from breakage during shipment. Materials such as cardboard, foam wrap, or Styrofoam may be used as packaging materials. All samples will be delivered to the contracted analytical laboratory on the day they were collected and will be received by the laboratory within 24 hours of sample collection. The samples will be collected with sufficient time allowed at the end of the day for the analytical laboratory to properly process the sample chain-of-custody form.