

Supplemental Remedial Investigation Report

BCP No. C130250

Location:

Carman Place Site
Site No. C130250
157 Main Street
Village of Hempstead,
Nassau County, New York

Prepared for:

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ACRONYMS

AGV	Air Guidance Value
AHA	Activity Hazard Analysis
AOC	Area of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
BCP	Brownfield Cleanup Program
bgs	Below Ground Surface
CAH	Chlorinated Aliphatic Hydrocarbon
CAMP	Community Air Monitoring Plan
CBS	Chemical Bulk Storage
CFR	Code of Federal Regulations
COC	Chain-of-Custody
CHFM	Contaminated Historic Fill Material
COPC	Constituents of Potential Concern
CSM	Conceptual Site Model
CUSCO	Commercial Use Soil Cleanup Objective
CVOCs	Chlorinated Volatile Organic Compounds
DCE	cis-1,2-dichloroethene
DER	Division of Environmental Remediation
DER-10	Technical Guidance for Site Investigation and Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
DUSR	Data Usability Summary Report
EDD	Electronic Data Deliverable
EIMS	Environmental Information Management System
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ESI	Environmental Site Investigation
GPR	Ground Penetrating Radar
GQS	Groundwater Quality Standard
GV	Guidance Value
HASP	Health & Safety Plan
HFM	Historic Fill Material

HSM	Health & Safety Manager
IDW	Investigative Derived Waste
IH	Industrial Hygiene
IRM	Interim Remedial Measure
LaBella	LaBella Associates, DPC
LNAPL	Light Non-Aqueous Phase Liquid
MDL	Method Detection Limit
NYCDEP	New York City Department of Environmental Protection
NYCRR	New York Codes, Rules, & Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PBS	Petroleum Bulk Storage
PCB	Polychlorinated Biphenyl
PCE	Tetrachloroethene
PG	Professional Geologist
PID	Photo-ionization Detector
PPE	Personal Protective Equipment
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIR	Remedial Investigation Report
RIWP	Remedial Investigation Work Plan
SCG	Standards, Criteria, & Guidance
SCO	Soil Cleanup Objective
SDG	Sample Delivery Group
SI	Subsurface Investigation
SQG	Small Quantity Generator
SVOC	Semi-Volatile Organic Compound
TAGM	Technical and Administrative Guidance Memorandum
TAL	Target Analyte List
TCE	Trichloroethene
USEPA	United States Environmental Protection Agency

UST	Underground Storage Tank
UUSCO	Unrestricted Use Soil Cleanup Objective
VOC	Volatile Organic Compound



CERTIFICATION

I, Richard T. Kampf, PG, certify that I am currently a Qualified Environmental Professional (QEP) as defined in New York State Department of Environmental Conservation 6 NYCRR Part 375-1.2(ak) and that this Supplemental Remedial Investigation Report (SRIR) was prepared in accordance with applicable statutes and regulations and in substantial conformance with the New York State Department of Environmental Conservation's (NYSDECs) Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Richard T. Kampf, PG

04/20/23



1.0 INTRODUCTION

LaBella Associates, D.P.C. (“LaBella”) has prepared this Supplemental Remedial Investigation Report (SRIR) on behalf of Carman Place Apartments, LLC (the Volunteer) for the property located at 122 & 126 Bedell St, 155-161 Main St, Bedell Street, Columbia St, Hempstead, Nassau County, New York (the Site).

The Volunteer was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) to investigate and remediate the Site. A Brownfield Clean-up Agreement (BCA) has been executed between the NYSDEC and Carman Place Apartments LLC, which is performing the remediation as a Volunteer. The BCA was executed on December 22, 2022 (Index No. C130250-12-22) and BCP Site No. C130250 was assigned to the site.

The BCP Site is a (±)2.537-acre property and comprised of 11 tax lots located in a mixed residential and commercial area of Hempstead, New York. Tax lots 129, 130, 131, 132, 135, and 138 have been accepted into the BCP (Site No. C130250). A BCA Amendment application submitted on February 13, 2023 for tax lots 8, 9, and 10 was approved on March 2, 2023. A BCA Amendment application submitted for tax lots 111 and 116 on March 2, 2023 was also approved. All of the lots will be merged following closing. This SRI Report is intended to document the results of the investigations within the property boundary and evaluate if off-site adjacent properties may be impacted.

This SRI Report presents environmental data and findings from a Supplemental Remedial Investigation (SRI) performed by LaBella Associates between January 25, 2023, and February 13, 2023. The investigation was performed in accordance with the NYSDEC-approved Work Plan (RIWP), which was submitted on January 24, 2023 and updated on January 27, 2023 and through subsequent verbal communications with the NYSDEC as well as Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 375-1, 3.8, 6.8, NYSDEC Division of Environmental Remediation (DER) Program Policy: Technical Guidance for Site Investigation and Remediation (DER-10), and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, with updates. The 2023 SRI was performed under the supervision of Mr. Daniel Noll, a New York State (NYS) registered professional engineer (PE).

The objectives and goals of the SRI were to:

- Address remedy-relevant data gaps identified by NYSDEC,
- Prepare a Conceptual Site Model,
- Define the nature and extent of contamination in all media at or emanating from the site,
- Determine whether completed exposure pathways exist in connection with on-Site sources,
- Estimate the volume of soil that requires remediation,
- Generate sufficient data to evaluate the remedial action alternatives and prepare a Remedial Action Work Plan (RAWP) to be implemented concurrently with site redevelopment, and
- Generate sufficient data to evaluate the actual and potential threats to human health and the environment.

The remainder of the RIR is organized as follows:

- Section 2.0 describes the site setting and physical characteristics,
- Section 3.0 describes the site background including results of previous investigations,
- Section 4.0 presents the SRI field sampling procedures, observations, and analytical results along with a summary of SRI Findings,



- Section 5.0 presents a qualitative assessment of the exposure risks of site contaminants to human, fish, and wildlife receptors, and
- Section 6.0 summarizes the results of the investigation and presents conclusions and recommendations.

The delineation of constituents of potential concern (COPCs) to the applicable UUSCOs has been generally completed for the Site.

The planned goal of the remediation is to achieve a Track 1 cleanup; however, it is understood that that the project may need to be considered for Track 2 or 4 cleanup in the event that Track 1 cannot be achieved.

2.0 SITE SETTING AND PHYSICAL CHARACTERISTICS

2.1 Site Description

The BCP Site is a (±)2.537-acre property and comprised of 11 tax lots located in a mixed residential and commercial area of Hempstead, New York. Tax lots 129, 130, 131, 132, 135, and 138 have been accepted into the BCP (Site No. C130250). A BCA Amendment application submitted on February 13, 2023 for tax lots 8, 9, and 10 was approved on March 2, 2023. A BCA Amendment application submitted for tax lots 111 and 116 on March 2, 2023 was also approved. All of the lots will be merged following closing. This SRI Report is intended to document the results of the investigations within the property boundary and evaluate if off-site adjacent properties may be impacted.

The northern half of the Site is currently used as a parking area for overstock vehicles for a nearby auto repair shop and the southeastern part of the property is occupied by a commercial retail strip center. The strip center is occupied by two restaurants, a laundromat, a wireless store, a hair salon, and a check cashing service center. The laundromat and restaurants are currently occupied but will be vacated in the near future. The rest of the units are vacant. The southwestern part of the property is occupied by an asphalt parking lot associated with the commercial strip center. Prior uses of the Site have included residential, commercial, and dry-cleaning activities.

The Site is located in a mixed residential and commercial area of Hempstead, New York. A Location Map is included as **Figure 1**. A Site Plan that presents tax map parcels is included as **Figure 2**. Parcel and subplot identification numbers are provided in **Table 1**, below.

The Site is currently located in the Business B District with a DO-2 Overlay. Business B designation allows for various commercial uses. The DO-2 designation allows for a wide variety of uses including retail, commercial uses, and a variety of residential options. The Site is in an EnZone Type B, Census Tract 4068.01. The Site is located in the Hempstead Brownfield Opportunity Area (BOA), a Potential Environmental Justice Area, and in a disadvantaged community area.



Table 1- Parcel Identification Summary

Property Address	Tax Parcel ID	Acreage	Sub Lot ID	Sub Lot Acreage
Bedell Street	34-195-135	0.11478	Lot 135	0.11478
Columbia Street	34-195-138	1.0852	Lot 138	1.0852
122 Bedell Street	34-195-130	0.046	Lot 130	0.046
126 Bedell Street	34-195-129	0.04	Lot 129	0.04
			Lot 116*	0.13976
			Lot 8*	0.22586
177-179 Main St	34-195-8	0.591479	Lot 9*	0.113969
			Lot 10*	0.11189
163-169 Main St	34-195-111	0.2154	Lot 111*	0.2154
			Lot 131	0.2154
155-161 Main St	34-195-131	0.438	Lot 132	0.2226
Total Acreage		2.5309		2.5309
* - Northeastern lots pending BCP eligibility determination				

2.2 Description of Surrounding Properties

The surrounding properties consist of mixed-use commercial and residential properties. The Long Island Railroad Hempstead Depot is located approximately 0.088 miles from the Site. **Figure 3** presents surrounding land uses and the location of potential sensitive receptors, including schools and day care centers with a ½ mile radius.

2.3 Topography

According to the USGS, the average topographic elevation across the subject property is approximately 65 feet above mean sea level and located within a densely developed area. Based on visual observations, the site is relatively flat.

2.4 Wetlands

No surface water bodies, or wetlands are located on Site or within the vicinity based on information obtained from the NYSDEC Info Locator database.

2.5 Geology and Hydrogeology

2.5.1 Regional Geology/Hydrogeology

The geologic setting consists of the Long Island Outwash Plain which is a broad low sandy plain extending southward from the Ronkonkoma Moraines, with a very gradual slope to the sea. Bedrock, generally absent from Long Island, is buried under glacial deposits. According to the USGS NYC Region Geologic Map, the area is underlain by Pleistocene glacial/terrace deposits.

2.5.2 Site Geology/Hydrogeology

The Site's bedrock is mapped on the Geologic Map of New York as Mesozoic Upper Cretaceous consisting of unconsolidated sand, gravel, and clay. The Surficial Geologic Map of New York (Lower Hudson Sheet, 1989) indicates that surficial soils in the area are mapped as outwash sand and gravel consisting of coarse to fine gravel with sand.

Based on a review of available information, including area topography, regional groundwater flow in the vicinity of the Subject Property is expected to be south-southwest towards the Atlantic Ocean. Municipal water supply is provided by the Water Department of Hempstead. Groundwater in the area is discharged from the subsurface system into Mill River and ultimately the Island Park Channel. The



major water bearing units beneath the subject property include: the Upper Glacial aquifer, the Magothy aquifer, and the Lloyd aquifer.

The 2016 Foundation Design Geotechnical Report noted that on-Site soil borings show the asphalt surface over limited depths of fill and then native material. The fill was 2 ft to 4 ft thick and included organics, millings, and general construction debris. The native soils are sands with gravel and a small part of silt. Below the fill, outwash deposits from the previous glacial advance were observed. Soils in the upper ten ft were reported to be firm. Below 10 feet, the underlying native soils were observed to be dense. Deeper soils are reportedly denser and contain less gravel.

Based on the Remedial Investigation, on-Site soil generally consists of fill material from surface to approximately 5 feet bgs (ft bgs). The non-native historic fill material generally appears to consist of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris. Fill material is underlain by tan fine and medium-fine sand, with varying amounts gravel. Depth to groundwater at monitoring wells MW-1 through MW-4 was observed to be approximately 20 to 25 ft bgs. Bedrock was not encountered during this investigation.

3.0 SITE BACKGROUND

3.1 Site History

The Site has a long history of mixed-uses including a dry cleaner as well as a reported UST release that has been closed by NYSDEC. The Site was originally developed between 1904 and 1909. Sanborn maps from 1909 depict 14 two-story dwellings, a storage building, a plumbing shop, and sign and paint shop. The residential buildings contained oil tanks. In 1919, the property was developed with a similar configuration to 1909, but the sign and paint shop was replaced by Newman Light and Heating. An automobile garage was also present in 1919. Four additional stores were present on the Site in 1925. Between 1925 and 1937, one dwelling and the Newman Light and Heating store were removed from the Site. A large parking lot is shown on the Site in maps beginning in 1937. Between 1950 and 1963, the Site was developed with 10 two-story dwellings, storage buildings, four stores, a new strip of stores and restaurants, automobile garages, and a parking lot. Sanborn maps from 1970 depict six two-story dwellings, eight stores, two restaurants, and two large parking lots on the site. Aerial photographs from 1970 to the present generally depict a similar configuration.

3.2 Proposed Redevelopment Plan

The proposed redevelopment plan is a 323,198 square-foot mixed-use complex that will include affordable housing, commercial space, and sub-grade parking. The residential part will consist of 2 buildings (CP-I and CP-II) and provide 228 units, including 30 studio-apartments, 140 one-bedroom and 58 two-bedroom apartments. The Volunteer plans to prepare the Site for remediation and redevelopment, which will include the demolition of the existing on-Site buildings followed by the construction of two new 4-story buildings. Construction of the foundation for the proposed building will include the excavation of soils throughout the building footprint up to approximately 14 ft below ground surface (bgs).

3.3 Prior Investigation Reports

The following previous investigation reports were reviewed during the SRI to assist in the evaluation of subsurface Site conditions. Prior investigation reports are included in **Appendix A**. Historic Soil Sample Analytical Results are presented in **Figure 4**.



Table 2. Prior Investigation Report Summary

Report Date	Site Investigation	Subject Properties	Subsurface Sample Collection ID
November 5, 2015	Limited Phase II Environmental Site Investigation (ESI)	Lots 111, 131, 132	LP-1 (Lot 132), LP-2 (Lot 131), LP-3 (Lot 111), FD-1 (Lot 131) & FD-2 (Lot 131)
December 3, 2015	Limited Phase II ESI	Lot 129 and 130	FD-1 (Lot 130) & FD-2 (Lot 129)
September 15, 2016	Limited Phase II ESI	Lot 135 and 138	SS-1 (Lot 135); SS-2 (Lot 135); SD-1 (Lot 138); SD-2 (Lot 138) & SD-3 (Lot 138)
November 2016	ACM Survey	Lots 8, 9, 10, 111, 116, , 129, 130, 131, 132, 135, & 138	NA
November 2016	Foundation Design Geotechnical Report	Lots 8, 9, 10, 111, 116, , 129, 130, 131, 132, 135, & 138	NA
October 5, 2018	Phase I Environmental Site Assessment (ESA)	Lots 8, 9, 10, 111, 116, , 129, 130, 131, 132, 135, & 138	NA
August 9, 2019	Supplemental Site Investigation Report	Lots 8, 9, 10, 111, 116, , 129, 130, 131, 132, 135, & 138	SB-2 and SB-102 (Lot 8); SB-3 and SB-103 (Lot 9); SB-4 and SB-104 (Lot 10); SB-105, SS-111, IA-111, OA-111 (Lot 111); SB-1 and SB-101 (Lot 116); SS-1, IA-1, OA1 (Lot 131); SB-5 (Lot 138)
June 10, 2022	Draft Remedial Investigation Report – Remedial Action Work Plan	Same as above	Same as above

A summary of the findings from previous environmental reports is presented below.

3.3.1 Limited Phase II ESI – November 5, 2015

A Limited Phase II Environmental Site Investigation (LESI) was performed by Nelson, Pope & Voorhis, LLC (NP&V) on November 5, 2015. The purpose of the LESI was to address the potential impacts associated with two recognized environmental conditions (RECs) identified in the Phase I



Environmental Site Assessment (ESA), conducted by NP&V in October 2015. The two RECs involved 2 on-site floor drains, located in Lot 131, and 3 stormwater leaching pools, located in Lots 111, 131 and 132. According to NP&V, the leaching pools are 8 ft in diameter and approximately 15 ft deep consisting of precast concrete rings and the floor drains are comprised of 4 inch diameter pipes that are approximately 12 inches deep. According to NP&V, these structures have open soil bottoms that have the ability to discharge directly to the subsurface and do not discharge to the sewer system.

According to the November 5, 2015, LESI Report, the subject property (identified in the report as Lots 8, 9, 111, 116) is used for commercial purposes. The on-Site buildings are heated by natural gas fired boilers and air conditioning units. A ceiling mounted gas fired Reznor heater was observed in the unit occupied by the laundromat. No evidence of any storage tanks was observed during NP&V's reconnaissance of the subject property.

The 2015 LESI report references an October 16, 2015, Phase I ESA Report which states that Spill No. 1411628 was reported on March 13, 2015, in connection with the release of No. 2 fuel oil to soil as a result of equipment failure. The spill was reported during the removal of a 1,000-gallon fuel oil underground storage tank (UST) at 163-169 Main Street. The Phase I ESA report indicates that approximately 68.86 tons of impacted soil was removed as part of the cleanup, endpoint samples confirmed that all contamination had been removed, and that the file for the incident was closed on April 8, 2015.

As part of the November 5, 2015, LESI, a total of 3 soil samples were collected from the top 12 inches of soil (at approximately 8 to 9 ft bgs from leaching pools located in Lot 131 and 132 (LP-1 and LP-2) and at the leaching pool located in Lot 111 (LP-3).

- The sample collected from LP-1 contained SVOCs at concentrations that exceed applicable CUSCOs.
- The samples collected from LP-1, LP-2, and LP-3 contained metals at concentrations that exceed applicable UUSCOs.

In addition, 1 soil sample was collected from the top 12 inches of soil (at approximately 8 to 9 ft bgs) from each of the 2 floor drains (FD-1 and FD-2) located at Lot 131.

- FD-1 (Lot 131) contained SVOCs at concentrations that exceed applicable RRSCOs and metals at concentrations that exceed applicable UUSCOs.
- FD-2 (Lot 131) contained metals at concentrations that exceed applicable CUSCOs.

3.3.2 Limited Phase II ESI – December 3, 2015

A second LESI was performed by NP&V on December 3, 2015. The purpose of this LESI was to address the potential impacts associated with the two (2) floor drains located in the basement of Lot 129 and Lot 130. Floor drains were identified as a REC in the Phase I ESA conducted by NP&V, dated November 13, 2015.

According to the December 3, 2015, LESI Report, the subject property (identified in the report as Lot 129 and Lot 130) was occupied by one two-story single-family home located in each lot. The buildings consist of wood framed structures with vinyl siding and asphalt shingle roofs with concrete block foundations. The interior of the buildings consists of painted sheetrock and/or plaster walls and ceilings with vinyl tiled and wood covered floors. Both buildings are heated by a natural gas fired boiler and window mounted air conditioning units. A 275-gallon above ground storage tank (AST) fuel oil tank was observed in the basement of both buildings. The NP&V report did not indicate if the tanks were active. Floor drains were observed in the basements of each residence and were situated adjacent to



the boilers that service each home. According to NP&V, the floor drains are comprised of 4-inch diameter pipes that are approximately 12- inches deep. According to NP&V, these structures have open soil bottoms that have the ability to discharge directly to the subsurface and do not discharge to the sewer system.

As part of the LESI, a total of two (2) floor drains samples were collected using a stainless- steel hand auger at Lots 129 and 130. Sample (FD-1) was collected from the bottom soil of the floor drains in 122 Bedell Street (Lot 130) and FD-2 was collected from the bottom soil of the floor drains in 126 Bedell Street (Lot 129). These samples were collected from the top zero to twelve (0-12) inches of the soil (at approximately 8 to 9 ft bgs) and were analyzed for the presence of VOCs, SVOCs and metals compounds.

- FD-1 (Lot 130) contained VOCs and SVOCs at concentrations that exceed applicable UUSCOs and metals at concentrations that exceed applicable CUSCOs.
- FD-2 (Lot 129) contained metals at concentrations that exceed applicable CUSCOs.

3.3.3 Limited Phase II ESI –September 15, 2016

A third LESI was performed by NP&V on September 15, 2016, to address the potential impacts associated with 3 stormwater leaching pools and stained soils in Lot 138. In addition, a ground penetrating radar (GPR) survey and soil sampling was completed in Lot 135 to determine if any subsurface structures associated with the former buildings or contamination was present. The NP&V GPR survey did not identify any anomalies which would indicate that subsurface anomalies were present in Lot 135.

According to the September 15, 2016, LESI Report, the subject property (identified in the report as Lots 135 and 138), consisted of a paved municipal parking lot (Lot 138) and an automobile storage area (Lot 135).

As part of the LESI, the 3 soil samples (SD-1, SD-2 and SD-3) were collected from the top 12 inches of soil (at approximately 8 to 9 ft bgs) from a stormwater leaching pool located in Lot 138 and 2 soil samples (SS-1 and SS-2) were collect at lot 135. The storm drains are approximately 4-ft by 4-ft concrete boxes. According to prior reports prepared by NP&V, these structures have open soil bottoms that have the ability to discharge directly to the subsurface and do not discharge to the sewer system. The LESI stated that the samples were collected from the top zero to twelve (0-12) inches of the soil and were analyzed for VOCs, SVOCs and metals compounds.

- The sample collected from SD-1 contained SVOCs at concentrations that exceed applicable CUSCOs and metals at concentrations that exceed applicable RRSCO.
- The sample collected from SD-2 contained SVOCs at concentrations that exceed applicable CUSCOs and metals at concentrations that exceed applicable UUSCOs.
- The sample collected from SD-3 contained SVOCs at concentrations that exceed applicable RSCO and metals at concentrations that exceed applicable CUSCOs.
- The sample collected from SS-1 contained metals at concentrations that exceed applicable CUSCOs.
- The sample collected from SS-2 contained metals at concentrations that exceed applicable UUSCOs.

3.3.4 Hazardous Building Materials Survey – November 2016



In November 2016, EnviroScience Consultants, Inc. (EnviroScience) prepared an asbestos survey of commercial retail buildings and the two houses on the parcels known as Tax ID Nos. Section 34 Block 195 Lots, 8, 9, 10, 111, 116, 129, 130, 131, 135, and 138.

Asbestos containing building materials (ACM) were reportedly found on the exterior of these buildings in the asphalt roof flashings on the flat roofs. The flashings are at the perimeters, equipment curbs, and penetrations. ACM was also reportedly found in drywall, ceiling tile, floor tile, wall finish, built up roofing, roof installation, duct waterproofing, and a roof patch. EnviroScience noted that any ACM that will be disturbed during renovation or demolition must be removed.

3.3.5 Foundation Design Geotechnical Report

The 2016 Foundation Design Geotechnical Report noted that a total of 16 on-Site soil borings advanced to up to 102 ft bgs show the asphalt surface over limited depths of fill and then native material. The report stated that fill was 2 ft to 4 ft thick and included organics, millings, and general construction debris and that moderately deeper fills associated with former basements were possible but not likely to extend more than 8 ft below grade. The report indicated that the native soils are sands with gravel and a small part of silt. Below the fill, outwash deposits from the previous glacial advance were observed. Soils in the upper ten feet were reported to be firm. Below 10 ft, the underlying native soils were observed to be dense. Deeper soils are reportedly denser and contain less gravel.

3.3.6 Phase I ESA – October 5, 2018

In October 2018, EnviroScience prepared a Phase I Environmental Site Assessment (Phase I) update for the Site. At the time of the EnviroScience Phase I site reconnaissance, the Site was developed with a commercial building, two residential buildings, two large parking areas, and an automobile storage yard.

One out-of-use 275-gallon AST was identified in the basement of the house located at 126 Bedell Street. A review of environmental databases revealed a listing for the Site on the Dry Cleaner Facilities Database and the NY Spills Database (Spill No. 1411628). The dry cleaner was known as Hempstead Valet Service and was located at 157 A Main Street. EnviroScience noted that dry cleaning operations may have produced hazardous substances such as chlorinated solvents known as PERC or TCE, which have the potential to contaminate the environment. The presence of the former dry cleaner represented a vapor encroachment condition (VEC) for the Site and was deemed a REC. EnviroScience also noted that previous soil contamination identified beneath the floor drains of the residential buildings on the Site were a REC. This EnviroScience Phase I concluded that the floor drains should be identified and investigated or documentation regarding their remediation should be obtained. EnviroScience concluded that the Site has a moderate environmental risk due to the presence of a former dry cleaner on the Site and known soil contamination.

3.3.7 Supplemental Site Investigation Report – August 9, 2019

A Supplemental Site Investigation (SSI) was completed on April 18, 2019, and July 10, 2019, by PS&S. The SSI was implemented to collect additional soil, groundwater, and vapor intrusion (VI) data to further characterize Lots 8, 9, 10, 111, 116, 131 and 138. The SSI scope included the installation of a total of 10 soil borings and collection of 10 samples, 2 co-located vapor intrusion sampling samples (sub-slab, indoor air and outdoor air quality samples) and 2 groundwater samples.

The SSI was carried out in two separate mobilizations. On April 18, 2019, PS&S collected a total of five (5) soil samples from lots 8, 9, 10, 116 and 138 and one co-located vapor intrusion sample (sub slab, indoor air and outdoor air quality samples) from Lot 131. On July 10, 2019, PS&S collected an additional five (5) soil samples from lots 8, 9, 10, 111 and 116, one co-located vapor intrusion sample



(sub slab, indoor air and outdoor air quality samples) from Lot 111 and 116.

3.3.7.1 Soil

Two Soil borings (SB-1 [Lot 116] and SB-105 [Lot 111]) were advanced to 30 ft bgs. Five soil borings (SB-1 [Lot 116], SB-2 [Lot 8], SB-3 [Lot 9], SB-4 [Lot 10], and SB-5 [Lot 138]) were advanced to 20 ft bgs. Three soil borings (SB-102 [Lot 8], SB-103 [Lot 9], and SB-104 [Lot 10]) were advanced to 10 ft bgs. Boring logs indicate the presence of historic fill material at depths of up to 5 ft bgs in soil boring SB-101 through SB-105. Sampling depths are provided in the table below:

SAMPLE ID	SAMPLE DEPTH (ft bgs)	SAMPLING DATE	Type of Sampling
SB-1	17-19	4/26/2019	Composite
SB-1	17	4/26/2019	Grab
SB-2	16-18	4/26/2019	Composite
SB-2	16	4/26/2019	Grab
SB-3	11-13	4/26/2019	Composite
SB-3	11	4/26/2019	Grab
SB-4	0-5	4/26/2019	Composite
SB-4	1	4/26/2019	Grab
SB-5	19-20	4/26/2019	Composite
SB-5	19	4/26/2019	Grab
SB-101	0 - 10	7/10/2019	Composite
SB-101	4.5	7/10/2019	Grab
SB-102	0 - 10	7/10/2019	Composite
SB-102	5.5	7/10/2019	Grab
SB-103	0 - 10	7/10/2019	Composite
SB-103	3	7/10/2019	Grab
SB-104	0 - 10	7/10/2019	Composite
SB-104	5.5	7/10/2019	Grab
SB-105	0 - 15	7/10/2019	Composite
SB-105	12.5	7/10/2019	Grab

- The composite sample collected from SB-101 contained lead at concentrations that exceed applicable UUSCOs.
- The composite and grab samples collected from SB-102 contained metals and VOCs, respectively, at concentrations that exceed applicable UUSCOs.
- The composite sample collected from SB-103 contained lead at concentrations that exceed applicable UUSCOs.
- The samples collected from SB-104 and SB-105 did not exceed applicable SCOs.

3.3.7.2 Groundwater

The SSI groundwater results indicated the presence of VOCs, SVOCs, metals compounds, and emerging contaminants (PFAS and 1-4, Dioxane). However, these temporary wells were not constructed, developed, or sampled pursuant to NYSDEC standard operating procedures and



therefore the results are not included. Rather, the SRI groundwater sampling results, which utilized permanent wells that were constructed, developed, and sampled pursuant a NYSDEC-approved Work Plan, will be used to evaluate groundwater quality as it relates to remedial decision-making for the Site.

3.3.7.3 Soil Vapor

On April 18, 2019, and July 10, 2019, SVI sampling was performed at the Site in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 and updated September 2013 for change of AGV for PCE, August 2015 for TCE, and the May 2017 NYSDOH Matrices A, B, and C for PCE, TCE, c1,2-DCE, 1,1-DCE, carbon tetrachloride, 1,1,1-TCA, methylene chloride, and vinyl chloride (NYSDOH Guidance). The co-located vapor intrusion sampling points included the installation and sampling of one sub-slab sample (SS-1), one indoor air sample (IA-1) and one ambient air sample (OA-1) in Lot 131 and one sub-slab sample (SS-111), one indoor air sample (IA-111) and one ambient air sample (OA-111) in Lot 111. Historic Soil Vapor Sample Analytical Results are presented in **Figure 5** and **Tables 9A through 9D**.

3.3.7.4 Lot 111 Soil Vapor Intrusion Sampling Results Summary

- Tetrachloroethene (PCE) was detected at a concentration of 0.583 $\mu\text{g}/\text{m}^3$ in indoor air (IA-111) and a concentration of 1.36 $\mu\text{g}/\text{m}^3$ in sub-slab soil vapor (SS-111). Based on these results, no further action is recommended as per the NYSDOH Guidance document.
- Trichloroethene (TCE) was detected at a concentration of 0.613 $\mu\text{g}/\text{m}^3$ in indoor air (IA-111) and was not detected in sub-slab soil vapor (SS-111). Based on these results, no further action is recommended as per the NYSDOH Guidance document.
- Carbon tetrachloride was detected at a concentration of 0.447 $\mu\text{g}/\text{m}^3$ in indoor air (IA-111) and was not detected in sub-slab soil vapor (SS-111). Based on these results, no further action is recommended as per the NYSDOH Guidance document.

3.3.7.5 Lot 131 Soil Vapor Intrusion Sampling Results Summary

- Tetrachloroethene (PCE) was detected at a concentration of 0.271 $\mu\text{g}/\text{m}^3$ in indoor air (IA-1) and a concentration of 382 $\mu\text{g}/\text{m}^3$ in sub-slab soil vapor (SS-1). Based on these results, no further action is recommended as per the NYSDOH Guidance document.
- Trichloroethene (TCE) was detected at a concentration of 0.613 $\mu\text{g}/\text{m}^3$ in indoor air (IA-1) and was not detected in sub-slab soil vapor (SS-1). Based on these results, no further action is recommended as per the NYSDOH Guidance document.
- Carbon tetrachloride was detected at a concentration of 0.51 $\mu\text{g}/\text{m}^3$ in indoor air (IA-1) and was not detected in sub-slab soil vapor (SS-1). Based on these results, no further action is recommended as per the NYSDOH Guidance document.

3.3.8 Draft Remedial Investigation Report – Remedial Action Work Plan

On June 10, 2022, PS&S submitted a Draft Remedial Investigation Report – Remedial Action Work Plan (RIR-RAWP) which presented the data collected as part of the 2019 SSI. No new data was presented.

On January 9, 2023, NYSDEC provided a comment letter stating that the Remedial Investigation Report (RIR) and the Remedial Action Work Plan (RAWP) must be submitted as two stand-alone documents. The letter indicated that the NYSDEC had preliminarily reviewed the RIR-portion of the document but would not review the RAWP until deficiencies in the RIR are addressed.

The following comments were provided by NYSDEC:



- The RIR does not address the Conceptual Site Model, the Qualitative Human Exposure Assessment, the Fish and Wildlife Resources Impact Analysis, and does not draw any conclusions,
- Two temporary groundwater sampling points were installed as part of the RI. This is a significant deficiency and does not allow for understanding of the concentrations of contaminant impacts throughout the site, fate and transport, or hydrological features of the site. It's recommended that a meeting be held in order to determine the best number, location, and depths of groundwater samples,
- The soil data presented in the RIR does not match the information presented in the Phase 2 reports. All soil information should be correct and be consistent with the previous reports the data was taken from,
- The soil impacts were not characterized at depth for a majority of the site. Please submit soil sample results for deeper soil samples, rather than just 0-12". It's recommended that a meeting be held in order to determine the best number, location, and depths of soil samples,
- The RIR requires the full suite of analysis for soils and groundwater. Soils and groundwater were not tested for PCBs/Pesticides. Additional samples should be analyzed for full suite including PCBs/Pesticides,
- The RIR tables and figures for soils should display the depths at which the samples were collected from,
- The PFAS and 1,4-dioxane results for soils should be compared to the proposed SCOs for Unrestricted and Restricted Residential Use and groundwater should be compared with the proposed Ambient Water Quality Guidelines in the tables and figures, not the RV IS/RS,
- Provide information on the historical soil sampling points – boring logs, depths of samples,
- The results for soil vapor intrusion should be compared to the NYSDOH guidance values from the vapor intrusion matrices rather than the EPA VISLs, and
- The DUSR was incomplete for the laboratory data submitted.

In addition, NYSDEC indicated that Lots 8, 9, 10, 111, and 116, were not admitted to the BCP but that it would review the results of any additional soil testing submitted to NYSDEC.

3.4 Standards, Criteria, and Guidance

The primary COPCs likely to be encountered at the Site are VOCs, SVOCs, pesticides, and metals. The applicable Standards, Criteria, and Guidance (SCGs) for soil, groundwater, and soil vapor characterization and remediation for this Site include:

- DER-10,
- 6 NYCRR Part 375-6.8 Soil Cleanup Objectives (SCOs),
- New York State Groundwater Quality Standards and Guidance Values (GQS/GVs) – 6 NYCRR Part 703,
- Technical and Operational Guidance Series (TOGS) Ambient Water Quality Standards (AWQS),
- New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006, including updates,
- NYSDEC Technical Guidance and Administrative Guidance Memorandum (TAGM) # 4031,
- Commissioner Policy – Soil Cleanup Guidance (CP-51),
- NYSDOH Generic Community Air Monitoring Plan (CAMP), and 29 Code of Federal Regulations (CFR) 1910.120(h).



- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- NYCRR Part 375 - Regulations Subparts 1, 3 and 6 applicable to the Brownfield Cleanup Program
- DER-13 / Strategy for Evaluating Soil Vapor Intrusion at Remedial Sites in New York, New York State Department of Environmental Conservation
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- NYCRR Part 375 - Regulations Subparts 1, 3 and 6 applicable to the Brownfield Cleanup Program
- DER Guidelines on Installation of Overburden Wells (Monitoring Wells) for Environmental Investigations (January 2022)
- NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) (June 2021)
- 2021 Addendum to June 1998 Division of Water Technical and Operational Guidance Series (TOGS) No. 1.1.1

3.5 Preliminary Remedial Action Objectives

Preliminary Remedial Action Objectives (RAOs) include:

3.5.1 Groundwater

RAOs for Public Health Protection

- Prevent ingestion of groundwater with contaminant levels exceeding drinking water standards.
- Prevent contact with, or inhalation of volatiles, from contaminated groundwater.

3.5.2 Soil

RAOs for Public Health Protection

- Prevent ingestion/direct contact with contaminated soil.
- Prevent inhalation of or exposure from contaminants volatilizing from contaminants in soil.

RAOs for Environmental Protection

- Prevent migration of contaminants that would result in groundwater or surface water contamination.

3.5.3 Soil Vapor

RAOs for Public Health Protection

- Mitigate impacts to public health resulting from existing, or the potential for, soil vapor intrusion into buildings at a site.



4.0 SUPPLEMENTAL REMEDIAL INVESTIGATION

Based on comments provided by NYSDEC on the 2022 RIR, several remedy-relevant data gaps were identified that are pertinent to the evaluation of remedial alternatives and the selection of a remedy required for the Site.

The objectives and goals of the SRI were to:

- Address remedy-relevant data gaps identified by NYSDEC,
- Prepare a Conceptual Site Model,
- Define the nature and extent of contamination in all media at or emanating from the site,
- Determine whether completed exposure pathways exist in connection with on-Site sources,
- Estimate the volume of soil that requires remediation,
- Generate sufficient data to evaluate the remedial action alternatives and prepare a Remedial Action Work Plan (RAWP) to be implemented concurrently with site redevelopment, and
- Generate sufficient data to evaluate the actual and potential threats to human health and the environment.

4.1 Areas of Concern

The following Areas of Concern (AOCs) have been identified at the Site based on the data prior investigations. The location of AOCs and sampling locations are presented in **Figure 6**.

4.1.1 AOC 1 – Contaminated Historic Fill Material

As indicated in boring logs, visual observations during the 2019 Geotechnical Investigation and the 2019 Site Investigation indicate the presence of historic fill material to depths of up to approximately 5 ft bgs throughout the Site. The non-native historic fill material generally appears to consist of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris.

4.1.2 AOC 2 – Stormwater Leaching Pools and Storm Drains

The leaching pools are 8-foot in diameter and approximately 15 feet deep consisting of precast concrete rings. The storm drains are approximately 4 ft by 4 ft concrete boxes. According to prior reports prepared by NP&V, these structures have open soil bottoms that have the ability to discharge directly to the subsurface and do not discharge to the sewer system.

The following presents a summary of exceedances detected during previous investigations:

- The sample collected at LP-1 in 2015 contained SVOCs at concentrations that exceed applicable CUSCOs.
- The samples collected at LP-1, LP-2, and LP-3 in 2015 contained metals at concentrations that exceed applicable UUSCOs.
- The sample collected at SD-1 in 2016 contained SVOCs at concentrations that exceed applicable CUSCOs and metals at concentrations that exceed applicable RRSCOs.
- The sample collected at SD-2 in 2016 contained SVOCs at concentrations that exceed applicable CUSCOs and metals at concentrations that exceed applicable UUSCOs.
- The sample collected at SD-3 in 2016 contained SVOCs at concentrations that exceed applicable RSCOs and metals at concentrations that exceed applicable CUSCOs.
- The sample collected at SS-1 in 2016 contained metals at concentrations that exceed applicable CUSCOs.
- The sample collected at SS-2 in 2016 contained metals at concentrations that exceed applicable UUSCOs.



4.1.3 AOC 3 – Floor Drains

The floor drains are located in the basements of residential structures and are comprised of 4-inch diameter pipes that are approximately 12-inches deep. According to prior reports prepared by NP&V, the floor drains discharge directly to the subsurface.

The following presents a summary of exceedances detected during previous investigations:

- FD-1 (Lot 131) in November 2015 contained SVOCs at concentrations that exceed applicable RRSCOs and metals at concentrations that exceed applicable UUSCOs.
- FD-2 (Lot 131) November 2015 contained metals at concentrations that exceed applicable CUSCOs.
- FD-1 (Lot 130) December 2015 contained VOCs and SVOCs at concentrations that exceed applicable UUSCOs and metals at concentrations that exceed applicable CUSCOs.
- FD-2 (Lot 129) December 2015 contained metals at concentrations that exceed applicable CUSCOs.

4.1.4 AOC 4 – Suspected Underground Storage Tank

A geophysical investigation performed in 2019 indicated the potential presence of an underground storage tank (UST) in the vicinity of the border of Lot 131 and 132.

4.1.5 AOC 5 – Former Dry-Cleaning Operation

Sub-slab soil vapor and indoor air sampling performed in 2019 did not indicate the presence of CVOCs at concentrations that require action as per the NYSDOH Guidance document.

4.2 Remedy-Relevant Data Gaps

The following remedy-relevant data gaps were identified that are pertinent to the evaluation of remedial alternatives and the selection of a remedy required for the Site:

- Characterization of the vertical extent of contaminated soil which exceeds the applicable SCOs with full Part 375 analysis,
- Installation and sampling of monitoring well network designed to sufficiently characterize dissolved- constituents in groundwater above NYSDEC standards with full Part 375 analysis and understand the fate and transport and hydrological features of the site,
- Comparison of soil vapor investigation sampling results as per the NYSDOH Guidance document to evaluate the potential for a soil vapor intrusion condition to exist,
- Preparation of a Conceptual Site Model, Qualitative Human Exposure Assessment, and Fish and Wildlife Resources Impact Analysis,
- Determination of groundwater flow direction, and
- Completion of data validation and DUSR for the laboratory data submitted.



4.3 Subsurface Investigation Activities

From January 25, 2023 to February 13, 2023, LaBella directed and oversaw the advancement of soil borings and soil sampling of 11 test pits and 15 soil borings throughout the property. LaBella also oversaw the installation and sampling of 4 permanent monitoring wells and the installation and sampling of 4 soil vapor sampling points, in accordance with the January 2023 NYSDEC-approved RIWP in order to address the key remedy-relevant data gaps presented above. Drilling activities were performed by Land Air Water Environmental Services, Inc (LAWES), of Center Moriches, New York, and E Phase 2, of Huntington, New York, and test pitting was performed by Lakewood Environmental Services, Crop. of Smithtown, New York under the oversight of LaBella. Areas of Concern and sampling locations are presented in **Figure 6**.

The following presents a summary of the field methodologies and findings.

4.3.1 Soil Sampling Protocol

The Supplemental Remedial Investigation (SRI) consisted of advancing 15 soil borings at representative locations throughout the site, including several targeted Areas of Concern, to characterize the vertical and horizontal extent of contaminated soil that requires remediation. Soil borings were advanced using a direct-push drill rig. A LaBella environmental professional characterized soils using the Unified Soil Classification System (USCS), field screened samples for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID), and prepared photo and boring logs. Soil borings were advanced and sampled in accordance with May 2010 NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation and the January 2023 NYSDEC-approved RIWP except for the deviations as noted in section 4.3.9.3.

SRI soil borings were advanced to a depth of approximately 16 ft bgs. Soil samples were collected from each boring starting from the two-foot interval immediately below the surface (0 to 2 ft bgs) and every two feet thereafter until native material was identified. Upon confirming the depth of native material, subsequent samples were collected from alternating two-foot intervals to a depth of approximately 16 ft bgs. The collection of soil samples within leaching pools began at the depth of soil within each structure.

SRI soil samples were analyzed according to Full NYCRR Part 375 protocol with Category B deliverables. The Quality Assurance / Quality Control (QA/QC) sampling consisted of one MS/MSD per sampling matrix, one field duplicate per sampling matrix, one trip blank, and one equipment blank per sampling matrix, for every 20 samples collected. In addition, twenty percent of soil samples were analyzed for PFAS (Method 1633) and 1,4-dioxane (8270 SIM). In order to minimize the potential for cross-contamination, non-dedicated drilling and sampling equipment was properly decontaminated prior to and between sampling / drilling locations.

All soil samples were collected in pre-cleaned laboratory-supplied glassware and stored in a cooler on ice for transport under proper chain of custody (COC) to Alpha for analysis individually following NYSDEC Analytical Services Protocol (ASP) – Category B Deliverables.

Soil samples were analyzed for:

- VOCs by USEPA Method 8260
- SVOCs by USEPA Method 8270
- Metals by USEPA Methods 6010/7471
- Pesticides, Herbicides & Polychlorinated biphenyls (PCB) by USEPA Methods 8081/8082
- PFOS/PFOA (Method 1633) and 1,4-dioxane (8270 SIM) (selected samples)



SRI soil samples were sent to Alpha under standard Chain of Custody procedures.

4.3.2 Soil Sampling Analytical Results Summary

Soil sampling analytical results are discussed by AOC as follows:

4.3.2.1 AOC 1 – Contaminated Historic Fill Material

Soil boring logs indicate the presence of a layer of historic fill material across the Site to depths of approximately 5 ft bgs. The non-native historic fill material at the Site generally appears to consist of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris. Analytical results indicate that the depth of contaminated historic fill material (CHFM) is present to a depth of approximately 4 ft bgs across the Site, with the exception of SB-02 where CHFM is present to a depth of approximately 6 ft bgs.

The following constituents were detected in soil at concentrations that exceed the Site SCOs, as summarized below:

2016 Limited Phase II Environmental Site Investigation

- The sample collected from SS-1 contained metals at concentrations that exceed applicable CUSCOs.
- The sample collected from SS-2 contained metals at concentrations that exceed applicable UUSCOs.

The 2016 Foundation Design Geotechnical Report noted that a total of 16 on-Site soil borings advanced to up to 102 ft bgs show the asphalt surface over limited depths of fill and then native material. The report stated that fill was 2 ft to 4 ft thick and included organics, millings, and general construction debris and that moderately deeper fills associated with former basements were possible but not likely to extend more than 8 ft below grade.

2019 Supplemental Site Investigation

- Boring logs indicate the presence of CHFM at depths of up to 5 ft bgs in soil boring SB-101 through SB-105.
- The composite sample collected from SB-101 contained lead at concentrations that exceed applicable UUSCOs.
- The composite and grab samples collected from SB-102 contained metals and VOCs, respectively, at concentrations that exceed applicable UUSCOs.
- The composite sample collected from SB-103 contained lead at concentrations that exceed applicable UUSCOs.

2023 Supplemental Remedial Investigation

A total of 87 soil samples (including duplicates) were collected from 15 soil borings in connection with AOC-1 as part of the SRI. Visual observations confirmed the presence of historic fill material at 11 boring locations to depths of approximately 5 ft bgs. The non-native historic fill material generally appears to consist of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris. Analytical results indicate that the depth of CHFM is present to a depth of approximately 4 ft bgs across the Site, with the exception of SB-02 where CHFM is present to a depth of approximately 6 ft bgs.



- SB-02: UUSCO exceedance for 4,4'-DDE (0.00422 mg/kg) from 2 to 4 ft bgs.
UUSCO exceedances for 4,4'-DDE (0.032 mg/kg), lead (288 mg/kg), and zinc (139 mg/kg) from 4 to 6 ft bgs.
- SB-03: UUSCO exceedances for 4,4'-DDT (0.00722 mg/kg), dieldrin (0.00671 mg/kg), and lead (126 mg/kg) from 0 to 2 ft bgs. From 2 to 4 ft bgs there were UUSCO exceedances for 4,4'-DDT (0.00433 mg/kg) and lead (78.3 mg/kg).
- SB-04: UUSCO exceedances for 4,4'-DDT (0.00594 mg/kg) and dieldrin (0.00724 mg/kg) from 0 to 2 ft bgs.
- SB-05/LP-3: CUSCO exceedances for benzo(a)anthracene (7.3 mg/kg), benzo(a)pyrene (11 mg/kg), benzo(b)fluoranthene (15 mg/kg), dibenzo(a,h)anthracene (1.2 mg/kg), and indeno(1,2,3-cd)pyrene (6.8 mg/kg) from 8 to 10 ft bgs.
RRSCO exceedances for benzo(k)fluoranthene (2.8 mg/kg) and chrysene (12 mg/kg) from 8 to 10 ft bgs.
UUSCO exceedances for 4,4'-DDD (0.00722 mg/kg) and zinc (254 mg/kg) from 8 to 10 ft bgs.
- SB-06: UUSCO exceedance for lead (83.4 mg/kg) from 0 to 2 ft bgs.
- SB-07/SD-1: CUSCO exceedances for lead (2100 mg/kg) and mercury (5.96 mg/kg) from 6 to 8 ft bgs.
RRSCO exceedances for benzo(a)pyrene (1.4 mg/kg) and indeno(1,2,3-cd)pyrene (1.1 mg/kg) from 6 to 8 ft bgs.
RSCO exceedances for benzo(a)anthracene (1.2 mg/kg), benzo(b)fluoranthene (2 mg/kg), chrysene (1.6 mg/kg), cadmium (2.84 mg/kg), and trivalent chromium (72.7 mg/kg) from 6 to 8 ft bgs.
UUSCO exceedances for 4,4'-DDD (0.149 mg/kg), 4,4'-DDE (0.071 mg/kg), 4,4'-DDT (0.647 mg/kg), aroclor 1260 (0.647 mg/kg), copper (132 mg/kg), nickel (40.9 mg/kg), silver (5.13), and zinc (694 mg/kg) from 6 to 8 ft bgs.
- SB-08: UUSCO exceedances for lead (375 mg/kg), manganese (1740 mg/kg), and zinc (189 mg/kg) from 0 to 2 ft bgs.
- SB-09: RRSCO exceedance for lead (436 mg/kg) from 0 to 2 ft bgs.
UUSCO exceedances for mercury (0.434 mg/kg) and zinc (308 mg/kg) from 0 to 2 ft bgs.
- SB-10/LP-1: CUSCO exceedances for benzo(a)anthracene (8.6 mg/kg), benzo(a)pyrene (12 mg/kg), benzo(b)fluoranthene (20 mg/kg), and dibenzo(a,h)anthracene (2.1 mg/kg) from 8 to 10 ft bgs.
RRSCO exceedances for benzo(k)fluoranthene (6.6 mg/kg), and chrysene (16 mg/kg) from 8 to 10 ft bgs.
PGWSCo exceedance for indeno(1,2,3-cd)pyrene (12 mg/kg) for 8 to 10 ft bgs.
UUSCO exceedance for zinc (201 mg/kg) for 8 to 10 ft bgs.
- SB-11: RRSCO exceedances for benzo(b)fluoranthene (1 mg/kg) and indeno(1,2,3-cd)pyrene (0.52 mg/kg) and lead (409 mg/kg) from 0 to 2 ft bgs.
RSCO exceedance of chrysene (1 mg/kg) from 0 to 2 ft bgs.



- SB-13: CUSCO exceedance for lead (1010 mg/kg) from 0 to 2 ft bgs.
UUSCO exceedances for 4,4'-DDE (0.015 mg/kg), 4,4'-DDT (0.039 mg/kg), mercury (0.206 mg/kg), and zinc (332 mg/kg) from 0 to 2 ft bgs.
- LP-2: UUSCO exceedances for copper and zinc from 8 to ft bgs.

Acetone is a known laboratory contaminant and is often produced from the combination of humid materials in soil and the methanol in the surrogates used in the laboratory. The detection of this compound is attributed to laboratory contaminants and does not appear to be indicative of contamination in the soil and therefore, has not been included on figures presenting SCO exceedances.

Analytical results are presented in the **Table 3**.

4.3.2.2 AOC 2 – Stormwater Leaching Pools and Storm Drains

Analytical results for soil borings advanced within the stormwater leaching pools (AOC-2) indicate exceedances of UUSCOs at SB-05 / LP-3 (8 to 10 ft bgs), SB-07 / SD-01 (6 to 8 ft bgs), SB-10 / LP-1 (8 to 10 ft bgs), and SB-15 / LP-2 (8 to 10 ft bgs). RRUSCOs and CUSCOs were exceeded at SB-05 / LP-3 (8 to 10 ft bgs) and SB-10 / LP-1 (8 to 10 ft bgs).

Concentrations of exceedances are summarized in Section 4.3.2.1. Analytical results are presented in the **Table 3**.

4.3.2.3 AOC 3 – Floor Drains

No additional soil samples were collected at AOC-3 as part of the SRI.

4.3.2.4 AOC 4 – Suspected Underground Storage Tank

A geophysical survey performed in 2019 confirmed the presence of the suspected UST in the vicinity of the border of lot 131 and 132. Soil boring SB-13 was advanced hydraulically downgradient of the UST. No exceedances of applicable SCOs were detected, there were no indications of VOCs based upon PID measurements, and no staining or odors were observed during the drilling of SB-13.

Analytical results are presented in the **Table 3**.

4.3.2.5 AOC 5 – Former Dry-Cleaning Operation

Analytical results for soil borings SB-11 and SB-14, advanced in the vicinity of the former dry-cleaning facility located at 157A Main Street, did not indicate the presence of CVOCs at concentrations that exceed applicable criteria. PCE was detected in shallow soil samples at SB-11 at 0 to 2 ft bgs (0.0075 mg/kg, at SDB-13 at 2 to 4 ft bgs (0.0013 mg/kg), and SB-14 at 0 to 2 ft bgs (0.0031 mg/kg) all of which are well below the UUSCO of 1.3 mg/kg.

Analytical results for downgradient groundwater monitoring wells MW-3 and MW-4 did not indicate the presence of CVOCs at concentrations that exceed applicable criteria.

In addition, the available data, including sub-slab soil vapor and indoor air sampling performed at Lots 131 and 111 in 2019, do not indicate the presence of COPCs in soil vapor at the Site that require action according to the NYSDOH Guidance document.

Soil vapor sampling results from four locations sampled as part of the SRI do not indicate a concern regarding the potential for the off-site migration of COPCs in soil vapor.



4.3.3 Soil Sampling – Northeastern Lots

On January 25 and February 7, soil samples were collected at Lots 8, 9, 10, 111 and 116 (the Northeastern Lots) as part of the investigation into the BCP eligibility of these lots. Specifically, a total of 36 soil samples (including duplicates and one field equipment blank) were collected from 6 soil borings and 11 test pits. Soil borings were advanced to a depth of approximately 4 ft bgs and test pits were advanced to a depth of 6 ft bgs. Additionally, a boring was advanced in the leaching pool on Lot 111 to a depth of 16 ft bgs. Samples were collected from the 0-2 and 2-4 ft bgs intervals at the soil borings and test pit locations and every two feet within the leaching pool beginning with the 8-10 ft bgs interval (the top two feet of soil within the leaching pool).

Soil boring and test pit logs confirm the presence of a layer of non-native historic fill material consisting of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris to depths of up to 5 ft bgs, similar to the lots already included in the BCP. Analytical results indicate that the depth of CHFM is present to a depth of approximately 4 ft bgs across the Site, with the exception of SB-02 where CHFM is present to a depth of approximately 6 ft bgs.

2016 Limited Phase II Environmental Site Investigation

- The sample collected from SS-1 contained metals at concentrations that exceed applicable CUSCOs.
- The sample collected from SS-2 contained metals at concentrations that exceed applicable UUSCOs.

2019 Supplemental Site Investigation

- The composite sample collected from SB-101 contained lead at concentrations that exceed applicable UUSCOs.
- The composite and grab samples collected from SB-102 contained metals and VOCs, respectively, at concentrations that exceed applicable UUSCOs.
- The composite sample collected from SB-103 contained lead at concentrations that exceed applicable UUSCOs.
- The composite sample collected from SB-4 contained lead at concentrations that exceed applicable UUSCOs.
- The composite sample collected from SB-4 contained lead at concentrations that exceed applicable UUSCOs.

2023 Supplemental Remedial Investigation

Analytical results presented for individual lots are as follows:

Lot 8

TP-03	UUSCO exceedances for lead (261 mg /kg) and mercury (0.314 mg/kg) from 0 to 2 ft bgs.
TP-04	RRSCO exceedance for lead (904 mg/kg) from 0 to 2 ft bgs. UUSCO exceedance for zinc (246 mg/kg) from 0 to 2 ft bgs.
TP-05	RRSCO exceedance for Benzo(b)fluoranthene (1 mg/kg) and Indeno(1,2,3-cd)pyrene (0.57 mg/kg) from 0 to 2 ft bgs.



UUSCO exceedances for lead (91.2 mg /kg), 4,4'-DDT (0.00553 mg/kg) and Dieldrin (0.00635 mg/kg) from 0 to 2 ft bgs

UUSCO exceedances for lead (104 mg /kg) and 4,4'-DDT (0.00498 mg/kg) from 2 to 4 ft bgs.

Lot 9
TP-06

RRSCO exceedance for mercury (1.79 mg/kg) from 2 to 4 ft bgs

UUSCO exceedances for lead (328 mg /kg) and zinc (119 mg/kg) from 0 to 2 ft bgs.

UUSCO exceedances for lead (129 mg /kg), and zinc (383 mg/kg) from 2 to 4 ft bgs.

TP-07

UUSCO exceedance for 4,4'-DDE (0.00783 mg/kg) from 2 to 4 ft bgs.

Lot 10
TP-08

CUSCO exceedance for lead (2150 mg /kg) from 0 to 2 ft bgs.

RRUSCO exceedances for cadmium (7.68 mg /kg) and mercury (0.252 mg/kg) from 0 to 2 ft bgs.

UUSCO exceedances for copper (93.6 mg /kg) and 4,4'-DDT (0.00797 mg/kg) from 0 to 2 ft bgs.

PGWSCo exceedance for zinc (2610 mg/kg) from 0 to 2 ft bgs.

TP-09

UUSCO exceedances for lead (312 mg /kg), zinc (170 mg/kg), copper (155 mg /kg) and 4,4'-DDT (0.00486 mg/kg) from 0 to 2 ft bgs.

Lot 111
SB-103

UUSCO exceedances for cis-Chlordane (0.13 mg /kg) from 0 to 2 ft bgs.

SB-05 / LP-3

CUSCO exceedances for Benzo(a)anthracene (7.3 mg/kg), Benzo(a)pyrene (11 mg/kg), Benzo(b)fluoranthene (15 mg/kg), Dibenzo(a,h)anthracene (1.2 mg/kg) and Indeno(1,2,3-cd)pyrene (6.8 mg/kg) from 8 to 10 ft bgs.

RRUSCO exceedances for Benzo(k)fluoranthene (2.8 mg/kg) and Chrysene (12 mg/kg) from 8 to 10 ft bgs.

UUSCO exceedances for zinc (254mg /kg) and 4,4'-DDD (0.00722 mg/kg) from 8 to 10 ft bgs. Acetone was detected exceeding its respective UUSCO, however, acetone is a common laboratory contaminant and not expected to be indicative of on-site conditions.

Lot 116
TP-01

UUSCO exceedances for lead (86.5 mg /kg) and copper (99.1 mg/kg) from 0 to 2 ft bgs.

TP-02

UUSCO exceedance for lead 110 mg/kg from 0 to 2 ft bgs.



UUSCO exceedances for Aroclor 1254 (0.116 mg/kg), lead (252 mg /kg), zinc (148 mg/kg), 4,4'-DDE (0.00485 mg/kg), 4,4'-DDD (0.00999 mg/kg) from 2 to 4 ft bgs.

SB-100 UUSCO exceedances for lead (162 mg/kg) and 4,4'-DDT (0.004 mg/kg) from 0 to 2 ft bgs.

UUSCO exceedances for lead (134 mg/kg) from 2 to 4 ft bgs.

SB-101 CUSCO exceedances for Benzo(b)fluoranthene (6.1 mg/kg) and Dibenzo(a,h)anthracene (0.73 mg/kg) from 0 to 2 ft bgs.

RRUSCO exceedances for Benzo(a)anthracene (4 mg/kg), Benzo(a)pyrene (4.4 mg/kg), Chrysene (5.5 mg/kg), and Indeno(1,2,3-cd) pyrene (3.6 mg/kg) from 0 to 2 ft bgs.

RSCO exceedance for Benzo(k)fluoranthene (2.1 mg/kg) from 0 to 2 ft bgs.

UUSCO exceedances for lead (273 mg/kg), zinc (163 mg /kg) and 4,4'-DDE (0.00395), and 4,4'-DDT (0.00842 mg/kg) from 0 to 2 ft bgs.

Soil analytical results were compared to the NYSDEC SCOs and are presented in **Table 3 and Table 4 and Figures 9 and 10**. Soil boring and test pit logs are presented in **Appendix B**. Laboratory Analytical Reports are presented in **Appendix C**.

4.3.4 Groundwater Investigation Activities

As part of the RI, a groundwater investigation was performed to address the key remedy-relevant data gaps. As detailed below, groundwater elevation monitoring and sampling was performed at a total of four permanent monitoring wells that were installed during the SRI, including MW-1, MW-2, MW-3 and MW-4. MW-1 is located near the corner of Main Street and Bedell Street and represents upgradient groundwater conditions that indicate the type of dissolved-phase constituents that are migrating onto the Site from off-property, upgradient sources.

Although groundwater samples were collected in 2019 as part of a previous investigation, these two wells were not installed as permanent wells and not properly developed or sampled per DER Guidelines on Installation of Overburden Wells (Monitoring Wells) For Environmental Investigations. As such, the 2019 PS&S groundwater data is not considered representative of actual site conditions and therefore not included within this submission.

The following presents a summary of the field methodologies and findings.

Monitoring Well locations are presented on **Figure 6**.

4.3.5 Groundwater Monitoring Well Installation and Survey

On January 26th and 27th, Land Air Water Environmental Services, Inc. (LAWES), installed MW-1 through MW-4. The monitoring wells were constructed of Schedule 40 2-inch diameter PVC with 15 ft of #10 slotted screen set to a maximum depth of approximately 32 ft bgs.

On February 8, 2023, Empire State Land Surveyor, P.C. (Empire) of Glen Head, NY (NY License No. 050088) surveyed ground surface elevations and top of groundwater monitoring well casing



elevations at groundwater monitoring wells MW-1, MW-2, MW-3, and MW-4 to the North American Vertical Datum of 1988 (NAVD88).

4.3.6 Groundwater Elevation Monitoring

On February 8, 2023, groundwater monitoring wells MW-1, MW-2, MW-3, and MW-4 were gauged for depth-to-water (DTW). DTW measurements ranged from 19.68 ft bgs at MW-4 to 23.88 ft bgs at MW-3. Groundwater contour maps confirm that groundwater generally flows to the south-southwest.

Table 5 presents groundwater elevation monitoring results. **Figure 9** presents groundwater elevation contours and flow direction.

4.3.7 Groundwater Sampling Protocol

Monitoring wells were developed on January 30, 2023. LaBella collected groundwater samples for laboratory analysis from MW-1 through MW-4 on January 30th and 31st. Samples were collected consistent with the approved RIWP and NYSDEC's low-flow groundwater sampling protocol several hours after purging. A Horiba U52-2 water quality meter with flow through cell was used to measure and monitor stabilization of field parameters including pH, temperature, turbidity, conductivity, and oxygen reduction potential (ORP).

Groundwater samples were analyzed for Full NYCRR Part 375 protocol, plus PFAS and 1,4-dioxane, with Category B deliverables and QA/QC samples. The QA/QC set consists of one MS/MSD per sampling matrix, one trip blank, one field duplicate per sampling matrix, and one equipment blank per sampling matrix. All samples were sent under standard Chain of Custody procedures to Alpha for expedited turnaround.

Monitoring Well Construction Logs are presented in **Appendix D**. Groundwater Sampling Logs are presented in **Appendix E**. Laboratory Analytical Reports are presented in **Appendix C**.

4.3.8 Groundwater Investigation Results

The following constituents were detected in groundwater at concentrations that exceed the NYSDEC AWQS, as summarized below:

MW-1	NYSDEC AWQS exceedances for dieldrin (0.005 ug/L), 1,4-dioxane (0.361 ug/L), PFOS (0.0186 ug/L) and PFAS (0.0263 ug/L),
MW-2	NYSDEC AWQS exceedances for bis(2-ethylhexyl)phthalate (17 ug/L), dieldrin (0.004 ug/L), PFOS (0.0304 ug/L), and PFAS (0.0193 ug/L),
MW-3	NYSDEC AWQS exceedances for dieldrin (0.051 ug/L), PFOS (0.0338 ug/L), and PFAS (0.0256 ug/L),
MW-4	NYSDEC AWQS exceedances for benzo(a)anthracene (0.02 ug/L), PFOS (0.0806), and PFAS (0.328 ug/L).
MW-4 DUP	NYSDEC AWQS exceedances for 1,4-dioxane (0.354 ug/L), PFOS (0.074 ug/L), and PFAS (0.298 ug/L)

Table 6 presents the SRI groundwater sampling laboratory analytical results including comparisons to the NYSDEC AWQS specified in 6 NYCRR Part 703.



Figure 10 presents a summary of the exceedances of NYSDEC groundwater criteria.

4.3.9 Soil Vapor Investigation

On April 18, 2019, and July 10, 2019, SVI sampling was performed at the Site in accordance with the NYSDOH Guidance. The co-located vapor intrusion sampling points included the installation and sampling of one sub-slab sample (SS-1), one indoor air sample (IA-1) and one ambient air sample (OA-1) in Lot 131 and one sub-slab sample (SS-111), one indoor air sample (IA-111) and one ambient air sample (OA-111) in Lot 111. Based on the results, no further action was recommended by NYSDOH Soil Vapor Intrusion Matrices for any applicable constituents. Historic Soil Vapor Sample Analytical Results are presented in Figures 5 to 7.

As part of the SRI, four perimeter soil vapor sampling points including SV-01, SV-02, SV-03, and SV-04 were installed at strategically selected perimeter locations on and off-site pursuant to discussion with NYSDEC and NYSDOH. An outdoor ambient air sample (OA-1) and a duplicate sample were collected as part of the QA/QC protocol. Figure 11 presents SRI Soil Vapor Sampling Locations.

4.3.9.1 Soil Vapor Sampling Protocol

Soil vapor sampling was conducted on February 13, 2023 in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in New York State,” (NYSDOH Guidance) October 2006 and as amended through 2015. Samples were collected into 6.0-liter Summa® vacuum canisters fitted with 2-hour flow controllers. The samplers were batch certified clean by the laboratory (AAL). Proper QA/QC protocol was followed during the collection of soil gas samples to ensure that cross-contamination in the field did not occur. The samples were submitted for analysis of VOCs by USEPA Method TO-15.

Temporary soil vapor probes were installed through ground surface in accordance with procedures specified in the NYSDOH Guidance and RIWP. The sampling points were each screened with a dedicated stainless-steel screen set at approximately 9 ft bgs with polyethylene tubing fitted to grade. Each sampling point was backfilled with #1 crushed stone and a bentonite slurry seal to prevent outdoor air infiltration. Prior to and after sampling the integrity of the sampling port seals was tested using tracer gas analysis. The environment surrounding the seal was enriched with the tracer gas, helium, as readings were collected through the sampling probe with a Radio detection Dielectric MGD-2002 portable helium detector. Tracer gas readings collected from each soil vapor probe were acceptable indicating the seals were intact and the sampling probes were acceptable for sample collection.

After the initial tracer gas test was performed, one to three volumes of the sample tubing were purged prior to collecting samples. Flow rates for both purging and collecting did not exceed 0.2 liters per minute to minimize potential outdoor air infiltration during sampling.

4.3.9.2 Soil Vapor Investigation Results

Soil vapor sampling results from four locations sampled as part of the SRI do not indicate a concern regarding the potential for the off-site migration of COPCs in soil vapor.

4.3.9.3 Deviations from the SRI Work Plan

As per discussions with Melissa Sweet, PE, of NYSDEC, the location of proposed SB-09/MW-4 was moved to the rear of the existing laundromat along the downgradient perimeter of the Site and SB-14 was added in the rear of the former dry cleaner located at 157A Main Street to further delineate potential contamination from the former dry cleaner. Additionally, as requested by NYSDOH, soil vapor samples were collected at four locations (SV-01 through SV-05) to evaluate the potential for off-site migration of soil vapor.



The laboratory analytical results were compared to the NYSDOH Air Guidelines Values and the USEPA BASE Database - 90th Percentile. Analytical results for the soil vapor samples are presented in **Tables 7 through 9**. Soil Vapor Sampling Logs are presented in **Appendix F**. Laboratory Analytical Reports are presented in **Appendix C**.

4.3.10 Air Monitoring

During all intrusive activities performed during the SRI on parcels accepted into the BCP, air monitoring was performed for site personnel and the community (Community Air Monitoring Program [CAMP]) as per the NYSDEC-approved RIWP.

Dust emissions were monitored using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10). Organic odors were monitored with a PID equipped with a 10.6 eV bulb. Dust and odor suppression measures (e.g., water misting, odor suppressant) were not required. Air monitoring of the breathing zone was performed periodically during drilling and sampling activities to evaluate health and safety protection for the field personnel. No VOC or dust emissions were observed during the SRI.

In addition to air monitoring in the worker breathing zone, LaBella also performed community air monitoring in compliance with the NYSDOH Generic CAMP and NYSDEC DER-10 Appendix 1A and Appendix 1B. There were no exceedances of CAMP action levels during the SRI.

4.3.11 Field Equipment Decontamination

Reusable down-hole drilling equipment was decontaminated between each boring where impacts were encountered and consisted of cleaning the drilling rods. Water used to decontaminate equipment was containerized in 55-gallon drums which were left on-Site with proper labeling.

4.3.12 Management of Investigation Derived Waste

Waste materials generated during the SRI were containerized in eight 55-gallon drums to be disposed of based upon their characteristic qualities. Waste materials generally consisted of soil cuttings from the drilling and development and purge water from the groundwater sampling. During test pitting activities on the Northeastern Lots, material was placed back in the excavation on a first-out, last-in basis.

4.3.13 Quality Assurance/Quality Control

The following QA/QC samples were collected during the SRI. **Table 8** presents a summary of SRI QA/QC Sample Analytical Results.

Soil QA/QC Samples

- Six duplicate samples
- Four matrix spike/matrix spike duplicate (MS/MSD) samples
- Four field blank samples
- Five trip blank samples

Groundwater QA/QC Samples

- One duplicate sample
- One MS/MSD sample
- One field blank sample
- One trip blank sample



Soil vapor QA/QC Samples

- One duplicate sample
- One outdoor air sample

Field duplicate samples were collected to assess the precision of the analytical methods relative to the sample matrix. The duplicates were collected from the same material as the primary sample (i.e., parent sample) by splitting the volume of homogenized sample collected in the field into two sample containers.

MS/MSD samples were collected to assess the effect of the sample matrix on the recovery of target compounds or target analytes. Similarly, to duplicate samples, MS/MSD samples were collected from the same material as the primary sample by splitting the volume of homogenized sample collected in the field into three sample containers.

Field blanks were collected to determine the cleanliness of unused tubing, nitrile gloves and acetate liners used to collect groundwater and/or soil samples. Field blank samples consisted of deionized, distilled water provided by the laboratory that has passed through the sampling apparatus. Field blank samples were analyzed for the same list of analytes as the corresponding sampling event and sample matrix.

Trip blank samples were collected to assess the potential for contamination of the sample containers and samples during transport from the laboratory to the field, and back to the laboratory for analysis. Trip blanks contain about 40 milliliters of acidic water (doped with hydrochloric acid) that is prepared and sealed by the laboratory when the empty sample containers are shipped to the field, and then unsealed and analyzed for VOCs by the laboratory when the sample shipment is received from the field.

4.3.14 Data Validation

Laboratory analyses of soil, groundwater, sub-slab vapor and air samples were conducted by Alpha in accordance with USEPA SW-846 methods and analytical data was reported consistent with the NYSDEC Analytical Services Protocol (ASP) Category B deliverable format. Environmental data was reported electronically using the database software application EQulS as part of NYSDEC's Environmental Information Management System (EIMS).

The QA/QC procedures required by the NYSDEC ASP and SW-846 methods, including initial and continuing instrument calibrations, surrogate compound spikes, and analysis of other samples (blanks, laboratory control samples, and MS/MSD) were followed. The laboratory provided sample bottles, which were pre-cleaned and preserved in accordance with the SW-846 methods. Where there were differences in the SW-846 and NYSDEC ASP requirements, the NYSDEC ASP took precedence.

Data validation was performed in accordance with the USEPA validation guidelines for organic and inorganic data review. Validation included the following:

- Verification of QC sample results (both qualitative and quantitative)
- Verification of sample results (both positive hits and non-detects)
- Recalculation of 10 percent of all investigative sample results
- Preparation of Data Usability Summary Reports (DUSR)

Laboratory analytical results from the SRI were reported in NYSDEC ASP Category B deliverable format and are being validated by Renee Cohen of Premier Environmental Consulting, (Merrick, NY), Berta



Oates of High Desert Consulting Services (North Ogden, UT), and James Baldwin of Dataval, Inc. (Fayetteville, NY) pursuant to DER-10 Appendix 2B to provide assurance that the data was adequate for its intended use. At the direction of NYSDEC, at least 5% of the samples are being subject to full validation pursuant to EPA guidance.

The results of the data validation will be provided to NYSDEC as soon as they become available.

4.3.15 Data Usability Summary Report Preparation

Data Validation narratives and the full data validation reports will be included as **Appendix G**. Laboratory analytical results tables will be updated accordingly.

A DUSR will be prepared for each sampling group. The DUSRs will present the results of the data validation, including a summary assessment of laboratory data packages, sample preservation and chain of custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method.

5.0 QUALITATIVE HUMAN AND FISH/WILDLIFE EXPOSURE ASSESSMENT

A qualitative human health exposure assessment has been performed for the Site, characterizing the current and future exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. The qualitative human health exposure assessment was performed consistent with DER-10, appendix 3B and Section 3.3 (b) 8 and includes a conceptual site model.

The purpose of the Qualitative Human Exposure Assessment is to evaluate and document how people might be exposed to site-related contaminants and to identify and characterize the potentially exposed population(s) now and under the reasonably anticipated future use of the Site.

Human health exposure risk was evaluated for both current and future site and off-site conditions. The assessment includes an evaluation of potential sources and migration pathways of site contamination, potential receptors, exposure media, and receptor intake routes and exposure pathways.

In addition to the human health exposure assessment, DER-10 requires an on-site and off-site Fish and Wildlife Resources Impact Analysis (FWRIA) if certain criteria are met. Based on the requirements stipulated in Section 3.10 and Appendix 3C of DER-10, there was no need to prepare an FWRIA for the site. A completed version of the DER-10 Appendix 3C decision key is included as Appendix H.

5.1 Current Conditions

The northern half of the Site is currently used as a parking area for overstock vehicles for a nearby auto repair shop and the southeastern part of the property is occupied by a commercial retail strip center. The strip center is occupied by two restaurants, a laundromat, a wireless store, a hair salon, and a check cashing service center. The laundromat and restaurants are currently occupied but will be vacated in the near future. The rest of the units are vacant. The southwestern part of the property is occupied by an asphalt parking lot associated with the commercial strip center.

Several sensitive receptors, including day care facilities and schools were identified within ½ mile of the Site as presented in **Figure 3**.

5.2 Proposed Conditions



The proposed redevelopment plan is a 323,198 square-foot mixed-use complex that will include affordable housing, commercial space, and sub-grade parking. The residential portion will consist of two buildings (CP-I and CP-II) and provide 228 units, including 30 studio-apartments, 140 one-bedroom and 58 two-bedroom apartments. The Volunteer plans to prepare the Site for remediation and redevelopment, which will include the demolition of the existing on-Site buildings followed by the construction of two new 4-story buildings. Construction of the foundation for the proposed building will include the excavation of soils throughout the building footprint up to approximately 14 ft below ground surface (bgs).

5.3 Summary of Environmental Conditions

Soil contaminants of concern (COC) include VOCs, SVOCs, pesticides, and metals. Visual observations indicate the presence of a layer of historic fill material across the Site to depths of approximately 5 ft bgs. The non-native historic fill material generally appears to consist of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris. Analytical results indicate that the depth CHFM is present to a depth of approximately 4 ft bgs across the Site, with the exception of SB-02 where CHFM is present to a depth of approximately 6 ft bgs.

Groundwater samples contained several non-Site-related COCs, including SVOCs, pesticides, metals, PFOA, and PFOS, most of which appear to be migrating onto the property from off-property, upgradient sources and / or may be attributable to regional groundwater quality, and / or sample turbidity based upon analytical results from upgradient monitoring well MW-1 and groundwater flow direction. Non-Site-related contaminants are described further in the Conceptual Site Model (Section 5.4).

Sub-slab soil vapor and indoor air sampling performed in 2019 did not indicate the presence of CVOCs at concentrations that require action as per the NYSDOH Guidance document (2006, updated 2017). In addition, perimeter soil vapor sampling results from four locations sampled as part of the SRI do not indicate a concern regarding the potential for the off-site migration of COPCs in soil vapor.

5.4 Conceptual Site Model

Pursuant to DER-10 Section 3.2.2, a conceptual site model (CSM) has been developed based on the SRI findings and previous investigations to produce a simplified framework for understanding the distribution of impacted materials, potential migration pathways, and potentially complete exposure pathways. The CSM provides a general understanding of the Site and considers Site history and context, including the factors that influence distribution, and fate and transport of remedy-relevant constituents, as well as potential receptors and pathways for exposure. These factors include potential sources and release mechanisms, the physical-chemical mechanisms that control constituent fate and transport, and the likely exposure pathways that govern the potential for adverse effects to human and ecological receptors. Based on the CSM, there does not appear to be any immediate and/or significant threat to human health or the environment.

5.4.1 Potential Sources of Contamination

Potential sources of contamination include CHFM, stormwater leaching pools and storm drains, floor drains, underground storage tanks, a former dry cleaner, historical use of the Site, and regional groundwater as indicated by analytical results from the upgradient monitoring well MW-1.

Site-wide historic fill contains SVOCs, pesticides, and metals in soil. Historic fill was observed in soil borings throughout the Site to a depth of approximately 5 ft bgs. Historic fill was commonly used as backfill in urban areas to raise and level land.



Stormwater leaching pools and storm drains and floor drains contain VOCs, SVOCs, pesticides, PCBs, and metals in the top two feet of soil. The leaching pools are 8-foot in diameter and approximately 15 feet deep consisting of precast concrete rings. The storm drains are approximately 4 ft by 4 ft concrete boxes. According to prior reports prepared by NP&V, these structures have open soil bottoms that have the ability to discharge directly to the subsurface and do not discharge to the sewer system. Analytical results indicate contamination is only present within the top two feet of soil within this structure and was not detected thereafter up to 16 ft bgs.

A geophysical investigation indicated the potential presence of an underground storage tank (UST) in the vicinity of Lots 131 and 132. There is no evidence that the UST has leaked. Further, the RI findings did not reveal any evidence of a release of petroleum hydrocarbon material at the Site.

A dry-cleaning facility formerly operated on Lot 131. CVOCs, specifically TCE and PCE, have historically been used as dry-cleaning solvents during the dry-cleaning process. PCE was detected in shallow soil at concentrations below UUSCOs at SB-11 and SB-14. The available information does not indicate the presence of an on-Site source of CVOCs.

Regional groundwater appears to be a potential source of SVOCs, pesticides, metals, PFOA, and PFOS that are migrating onto the Site based on the results from the upgradient monitoring well, MW-1, located near the Site border in Lot 116.

5.4.2 Exposure Media

Impacted media include shallow soil across the Site to depth of approximately 4 ft bgs with several localized hot spots at stormwater leaching pools, storm drains, and floor drains that extend up to 10 ft bgs. Analytical data indicates the historic fill material across the site contains SVOCs, pesticides, and metals. Stormwater leaching pools and storm drains, floor drains contain SVOCs, pesticides, PCBs and metals in soil.

5.4.3 Environmental Fate and Transport

Chemicals are transported or transformed in the environment through physical and kinetic processes. Physical processes including dissolution, vaporization, and adsorption result in the transfer of substances across media and phases. Kinetic processes, which include biotic and abiotic chemical transformations, decrease the concentration of a chemical by degrading it into other products. The current understanding of the fate and transport of COPCs is summarized below for each of the environmental media of interest at the Site.

5.4.3.1 Soil

CHFM is a source of VOCs, SVOCs, pesticides, PCBs and metals in soil. In addition, VOCs, SVOCs, pesticides, PCBs and metals have been detected in the top two feet of soil collected from stormwater leaching pools, storm drains and floor drains. The results indicate that these COPCs are non-mobile, have not migrated vertically in the sub-surface, and do not represent a source of contamination of groundwater or soil vapor. Further, depth to groundwater is approximately 25 ft bgs, which is well below these features (refer to Section 5.4.3.2).

There is no evidence of the presence of COPCs in soil in connection with the former dry cleaner or suspected UST at concentrations that exceed UUSCOs.

5.4.3.2 Groundwater

Depth to groundwater varies from approximately 23 to 25 ft bgs at the Site. The fate and transport mechanisms that affect groundwater include advection, dispersion, dissolution, and natural



degradation which may work to reduce the concentration of any dissolved-phase constituents. Groundwater flow direction was calculated to be south-southwest, a figure depicting groundwater flow direction is presented as **Figure 9**.

Groundwater samples contained several non-Site-related COCs, including SVOCs, pesticides, metals, PFOA, and PFOS, most of which appear to be migrating onto the property from off-property, upgradient sources and / or may be attributable to regional groundwater quality, and / or sample turbidity based upon analytical results from upgradient monitoring well MW-1 and groundwater flow direction.

There is no evidence of the presence of COPCs in groundwater in connection with the former dry cleaner or suspected UST at concentrations that exceed NYSDEC criteria.

5.4.3.3 Soil Vapor

At former dry-cleaning facilities at which CVOC-related constituents have been released to the subsurface there is the potential for vapor-phase constituents to enter buildings through cracks and joints in foundation walls. There is no evidence that a release of CVOC-related constituents has occurred at the Site. Further, the results of soil vapor sampling performed at the Site to date indicate that no further action is recommended pursuant to the New York State Soil Vapor Intrusion Guidance Document.

5.4.4 Potential Sensitive Receptors and Exposure Pathways

A complete exposure pathway is needed for a potential human or ecological health risk to be present. Potential receptors at the Site include construction/utility workers and current and future building occupants. Based on the peer-reviewed principles of environmental risk assessment, there is no risk to a receptor when either (1) no receptor is present or (2) there is no complete exposure pathway for that receptor.

The proposed remedy includes excavation to remove soil at concentrations that exceed UUSCOs as part of an overall remedy that will be protective of human health and the environment. Groundwater is not expected to be used for any purposes in the foreseeable future and groundwater and soil vapor sampling results indicate that engineering controls are not necessary to address potential exposure to these media.

5.4.5 Contaminant Release and Transport

CHFM as well as stormwater leaching pools, storm drains and floor drains contain VOCs, SVOCs, pesticides, PCBs, and metals in soil.

The results indicate that these COPCs are non-mobile, have not migrated vertically in the sub-surface, and do not represent a source of contamination of groundwater or soil vapor.

5.4.6 Points and Routes of Exposure

The COPCs detected at the Site have the potential to have adverse effects on human health and may be absorbed after ingestion, inhalation, or dermal exposure. Acute exposure symptoms may include headache, dizziness, unconsciousness, abdominal pain, nausea, diarrhea, and skin and eye irritation among other effects. Chronic exposure may cause harm to the central nervous system, liver, kidneys, and dermatitis among other effects. Many of the compounds are known or probable human carcinogens.

The results indicate that these COPCs are non-mobile, have not migrated vertically in the sub-surface, and do not represent a source of contamination of groundwater or soil vapor.



5.4.7 Receptor Populations

The site is currently vacant with restricted access to authorized guests and the project development team, with the exception of two restaurants and a laundromat which will be vacated in the near future. The rest of the commercial units are vacant. The majority of the Site is currently covered by a parking lot or building pads, limiting exposure.

During site development, human receptors will be limited to construction and remediation workers, authorized guests visiting the site and the public adjacent to the site. Under future conditions and in the absence of remediation and engineering and institutional controls, potential receptors will include the new building occupants, workers, and visitors.

5.5 Potential Exposure Pathways – On-Site

5.5.1 Current Conditions

The northern half of the Site is currently used as a parking area for overstock vehicles for a nearby auto repair shop and the southeastern part of the property is occupied by a commercial retail strip center. The strip center is occupied by two restaurants, a laundromat, a wireless store, a hair salon, and a check cashing service center. The laundromat and restaurants are currently occupied but will be vacated in the near future. The rest of the units are vacant. The southwestern part of the property is occupied by an asphalt parking lot associated with the commercial strip center.

The surface cover at the site is comprised of buildings with concrete slabs with the exception of Lots 8, 9, 10, 135, and parts of 129 and 130, which are not paved. Exposure to contaminated soil is possible during subsurface investigations through dermal absorption, inhalation, and ingestion pathways.

Nassau County Public Health Ordinance, Article 4, prohibits potable use of groundwater without prior approval. Exposure to contaminated groundwater is possible during subsurface investigations through dermal absorption, inhalation and ingestion pathways.

The potential exists for soil vapor to accumulate below the building slabs and intrude into the buildings through potential cracks in the building slabs. Exposure to contaminated vapors is primarily a concern during subsurface investigations through inhalation. The majority of the buildings are vacant and the health of current occupants is protected by the CAMP monitoring.

During future subsurface investigations and remediation where human exposure to contaminated soil, groundwater and soil vapor is possible, the potential exposure pathways (dermal absorption, inhalation, and ingestion) will be controlled through implementation of a HASP or CHASP.

5.5.2 Construction/Remediation Condition

In the absence of engineering and institutional controls, potential exposure pathways exist for dermal absorption, ingestion, and/or inhalation during construction/remediation. Construction and remedial activities include demolition, excavation and off-site site disposal of impacted soil, potential localized dewatering of contaminated groundwater and construction of foundation components. These exposure pathways will be controlled through the implementation of a Construction Health and Safety Plan (CHASP), CAMP, and use of vapor and dust suppression techniques.

5.5.3 Proposed Future Conditions



The remedy will involve the excavation and proper off-site disposal of contaminated soil above UUSCOs. Site-related constituents do not exceed applicable SCGs in groundwater and soil vapor sampling results do not indicate that vapor mitigation is required. The current anticipated use of the building cellar is a mechanically ventilated parking garage.

5.6 Potential Exposure Pathways – Off-Site

In the absence of CAMP and a CHASP, soil has the potential to be transported off-site by wind in the form of dust or on the tires of vehicles or equipment leaving the site during remediation and development and can create an exposure risk to the public adjacent to the Site.

The potential off-site migration of site contaminants in soil is not expected to result in a complete exposure pathway for current, construction and remediation, or future conditions for the following reasons:

- The site is located in an urban area with continuous and relatively impervious surface covering (i.e. building foundations and concrete and asphalt paving),
- During site redevelopment and remediation, the following protective measures will be implemented:
 - Air monitoring will be conducted for particulates (i.e., dust) and VOCs during all intrusive activities as part of a CAMP. Dust and/or vapor suppression techniques will be employed to limit potential for off-site migration of soil and vapors.
 - Vehicle tires and undercarriages will be washed as necessary prior to leaving the site to prevent tracking material off-site.

5.7 Evaluation of Human Health Exposure

Based upon the CSM and the review of environmental data, complete on-site and off-site exposure pathways do not appear to be present under current conditions. During construction and remediation there is a risk of exposure to humans from site contaminants via exposure to soil. The HASP will mitigate this risk.

Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population. A discussion of the five elements comprising a complete pathway as they pertain to the site is provided below.

5.7.1 Current Conditions

CHFM as well as stormwater leaching pools, storm drains and floor drains contain VOCs, SVOCs, pesticides, PCBs and metals in soil.

Contaminant release and transport mechanisms include contaminated soil transported as dust, contaminated groundwater flow and volatilization of contaminants from the soil and groundwater matrices to the soil vapor phase, and transport of existing soil vapor contaminants. Under current site conditions, the likelihood of exposure to humans is limited, as the Site is mostly vacant, mostly covered by impervious surfaces, and potable water is obtained from an off-site source. Subsurface investigations were conducted in accordance with a HASP to minimize exposure risk.

5.7.2 Construction/Remediation Activities

During development and remediation, points of exposure include disturbed and exposed soil during excavation; dust and organic vapors generated during excavation; and, contaminated groundwater



that may be encountered during excavation and/or localized dewatering operations. Potential routes of exposure include ingestion and dermal absorption of contaminated soil. The receptor population includes construction and remediation workers and, to a lesser extent, the public adjacent to the site.

The potential for completed exposure pathways is present since all five elements exist; however, the risk will be minimized by the implementation of appropriate health and safety measures during construction and remediation, such as monitoring the air for organic vapors and dust, using vapor and dust suppression measures, cleaning truck undercarriages prior to exiting the site to prevent off-site soil tracking, maintaining site security, and wearing the appropriate personal protective equipment (PPE).

In accordance with a Remedial Action Work Plan (RAWP), which will include a CHASP, a Soil/Materials Management Plan (SMMP), and a CAMP, measures such as conducting an air monitoring program, donning PPE, covering soil stockpiles, altering work sequencing, maintaining a secure construction entrance, proper housekeeping, and applying vapor and dust suppression measures to prevent off-site migration of contaminants during construction will be implemented. Such measures will prevent completion of these potential exposure pathways.

5.7.3 Proposed Future Conditions

Under the proposed future condition and after remediation, residual contaminants are not anticipated to remain on-site. There will be only a limited potential for the volatilization of contaminants from groundwater to soil vapor since there are no VOCs in groundwater above NYSDEC criteria and soil vapor sampling results do not indicate the need for soil vapor mitigation rendering inhalation of vapors entering the building unlikely from Site-related sources.

5.7.4 Human Health Exposure Assessment Conclusions

Human exposure to site contaminants is limited under current conditions on the site. The primary exposure pathways are for dermal contact, ingestion, and inhalation of soil, soil vapor, or groundwater by site investigation workers. The exposure risks can be avoided or minimized by following the appropriate health and safety and vapor and dust suppression measures outlined in the site-specific HASP during investigation activities.

In the absence of institutional and engineering controls, there is potential for exposure during construction and remediation activities. The primary exposure pathways are:

- Dermal contact, ingestion and inhalation of contaminated soil, groundwater, or soil vapor by construction workers.
- Dermal contact, ingestion and inhalation of soil (dust) and inhalation of soil vapor by the community in the vicinity of the site.

These exposure risks can be avoided or minimized by performing community air monitoring and by following the appropriate health and safety, vapor and dust suppression and site security measures outlined in a site-specific CHASP.

The existence of a complete exposure pathway for site contaminants to human receptors during proposed future conditions is unlikely, as contaminated soil will be excavated and transported to an off-site disposal facility and any residual soil that remains will be capped with an impermeable cover. Nassau County Public Health Ordinance, Article 4, prohibits potable use of groundwater without prior approval and soil vapor intrusion does not appear to represent a health risk at the Site



It is possible that a complete exposure pathway exists for the migration of site contaminants to off-site human receptors for current, construction phase, or future conditions. Monitoring and control measures will be used during investigation and construction to prevent community exposure to contaminated dust and vapors.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The delineation of COPCs to the applicable UUSCOs has been generally completed for the Site. The following presents a summary of the SRI findings along with conclusions and recommendations for each AOC and groundwater.

6.1 AOC 1 – Contaminated Historic Fill Material

A total of 87 soil samples (including duplicates) were collected from 15 soil borings in connection with AOC-1 as part of the SRI. In addition to the SRI, soil samples were collected from Lots 8, 9, 10, 111 and 116 (the Northeastern Lots) as part of the investigation into BCP eligibility of these lots. Specifically, a total of 36 soil samples (including duplicates and one field equipment blank) were collected from 6 soil borings and 11 test pits.

Soil boring and test pit logs confirm the presence of a layer of non-native historic fill material consisting of medium to fine brown silty sands, asphalt, brick, wood, glass, ash, cinders, concrete, and other construction debris to depths of up to 5 ft bgs. Both SRI borings and Northeastern lot borings indicated the presence of historic fill through analytical results with semi-volatile organic compounds (SVOCs) and metals exceeding respective Commercial Use Soil Clean-up Objectives (CUSCOs) and pesticides and poly chlorinated biphenyls (PCBs) exceeding Unrestricted Use SCOs (UUSCOs). Analytical results indicate that CHFM is present to a depth of approximately 4 ft bgs across the Site, with the exception of SB-02 where CHFM is present to a depth of approximately 6 ft bgs.

Analytical results indicate exceedances of UUSCOs at SB-01 (0 to 2 ft bgs), SB-02 (2 to 6 ft bgs), SB-03 (0 to 4 ft bgs), SB-04 (0 to 2 ft bgs), SB-06 (0 to 2 ft bgs), SB-08 (0 to 2 ft bgs), SB-09 (0 to 2 ft bgs), SB-11 (0 to 2 ft bgs), SB-13 (0 to 2 ft bgs), SB-14 (0 to 2 ft bgs), SB-15 / LP-2 (8 to 10 ft bgs), TP-03 (0 to 2 ft bgs), TP-04 (0 to 2 ft bgs), TP-05 (0 to 2 and 2 to 4 ft bgs), TP-06 (0 to 2 and 2 to 4 ft bgs), TP-07 (0 to 2 and 2 to 4 ft bgs), TP-08 (0 to 2 ft bgs), TP-09 (0 to 2 ft bgs), SB-103 (0 to 2 ft bgs), TP-01 (0 to 2 ft bgs), TP-02 (2 to 4 ft bgs), SB-100 (0 to 2 and 2 to 4 ft bgs), and SB-101 (0 to 2 ft bgs).

RRUSCOs were exceeded at SB-09 (0 to 2 ft bgs), SB-10 / LP-1 (8 to 10 ft bgs), SB-11 (0 to 2 ft bgs), TP-04 (0 to 2 ft bgs), TP-05 (0 to 2 ft bgs), TP-08 (0 to 2 ft bgs), and SB-101 (0 to 2 ft bgs).

CUSCOs were exceeded at TP-08 (0 to 2 ft bgs) and SB-101 (0 to 2 ft bgs).

Based on analytical results, the remedial depth of contaminated historic fill material (CHFM) will be approximately 4 ft bgs across the Site and 6 ft bgs in the vicinity of SB-02.

The material will be characterized, handled, transported, and disposed according to applicable local, state, and federal regulations.

In order to confirm that Track 1 clean-up requirements have been achieved, post-excavation confirmation soil samples will be collected at the excavation depth throughout the Site to ensure that target contaminant concentrations have been achieved as per DER-10.

6.2 AOC 2 – Stormwater Leaching Pools and Storm Drains



Analytical results for soil borings advanced within the stormwater leaching pools (AOC-2) indicate exceedances of UUSCOs at SB-05 / LP-3 (8 to 10 ft bgs), SB-07 / SD-01 (6 to 8 ft bgs), SB-10 / LP-1 (8 to 10 ft bgs), and SB-15 / LP-2 (8 to 10 ft bgs). RRUSCOs and CUSCOs were exceeded at SB-05 / LP-3 (8 to 10 ft bgs) and SB-10 / LP-1 (8 to 10 ft bgs).

Based on analytical results, the remedial depth will be approximately 8 ft bgs at SB-07 / SD-01, SD-02, and SD-03 and approximately 10 ft bgs at SB-05 / LP-3, SB-10 / LP-1, and SB-15 / LP-2.

The material will be characterized, handled, transported, and disposed according to applicable local, state, and federal regulations.

In order to confirm that Track 1 clean-up requirements have been achieved, post-excavation confirmation soil samples will be collected beneath each leaching pool and storm drain at these locations to ensure that target contaminant concentrations have been achieved as per DER-10.

6.3 AOC 3 – Floor Drains

No additional soil samples were collected at AOC-3 as part of the SRI. Based on the CSM, COPCs at this AOC are not likely to have migrated further in the subsurface.

Based on analytical results, the remedial depth will be approximately 10 ft bgs at FD-1 (Lot 130), FD-2 (Lot 129), and FD-1 and FD-2 (Lot 131). The material will be characterized, handled, transported, and disposed according to applicable local, state, and federal regulations.

In order to confirm that Track 1 clean-up requirements have been achieved, post-excavation confirmation soil samples will be collected beneath each floor drain to ensure that target contaminant concentrations have been achieved as per DER-10.

6.4 AOC 4 – Suspected Underground Storage Tank

A geophysical survey confirmed the presence of the suspected UST in the vicinity of the border of lot 131 and 132. Based on the dimensions estimated from geophysical survey, the UST is assumed to be a 550-gallon tank. Soil boring SB-13 was advanced hydraulically downgradient of the UST; however, the RI findings did not reveal any evidence of a release of petroleum hydrocarbon material. Analytical results did not indicate exceedances of applicable SCOs in soil samples, there were no indications of VOCs based upon PID measurements, and there was no staining or odors were observed during the drilling of SB-13.

Should petroleum contamination be encountered during remedial activities spill reporting requirements will be followed and the material will be characterized, handled, transported, and disposed according to applicable local, state, and federal regulations.

In order to confirm that Track 1 clean-up requirements have been achieved, post-excavation confirmation soil sampling will be performed beneath the UST to ensure that target contaminant concentrations have been achieved as per DER-10.

6.5 AOC 5 – Former Dry-Cleaning Operation

Analytical results for soil borings SB-11 and SB-14 advanced in connection with the former dry-cleaning facility located at 157A Main Street did not indicate the presence of CVOCs at concentrations that exceed applicable criteria. PCE was detected in shallow soil samples at concentrations of 0.0075 mg/kg (SB-11 (0-2)), 0.0031 mg/kg (SB-14 (0-2)), and 0.0013 mg/kg (SB-13 (2-4)), all of which are well below the UUSCO of 1.3 mg/kg.



In addition, the available data, including sub-slab soil vapor and indoor air sampling performed at Lots 131 and 111 in 2019, do not indicate the presence of COPCs in soil vapor at the Site that require action according to the New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance).

Soil vapor sampling results from 4 locations sampled as part of the SRI do not indicate a concern regarding the potential for the off-site migration of COPCs in soil vapor.

Should CVOC contamination be encountered during remedial activities spill reporting requirements will be followed and the material will be characterized, handled, transported, and disposed according to applicable local, state, and federal regulations.

No further action is warranted in connection with AOC-5.

6.6 Groundwater

The following constituents were detected in groundwater at concentrations that exceed the NYSDEC AWQS, as summarized below:

- Two SVOCs were detected exceeding their respective NYSDEC AWQS, bis(2-ethylhexyl) phthalate was detected at a concentration of 17 ug/L in sample MW-2 and benzo(a)anthracene was detected at a concentration of 0.02 ug/L in sample MW-4
- One pesticide, dieldrin, was detected exceeding its NYSDEC AWQS in samples MW-1, MW-2, and MW-3 at concentrations of 0.005, 0.004, and 0.051 ug/L, respectively.
- PFOS and PFOA was detected exceeding their respective NYSDEC AWQS in all samples collected.

It is likely the limited groundwater impacts may be attributed to off-site sources, regional groundwater quality, and/or sample turbidity.

Based upon analytical data and discussions with NYSDEC, groundwater treatment is not recommended.

6.7 Soil Vapor

Sub-slab soil vapor and indoor air sampling performed at Lots 131 and 111 in 2019, do not indicate the presence of COPCs in soil vapor at the Site that require action according to the New York State Department of Health Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance).

Soil vapor sampling results from 4 locations sampled as part of the SRI do not indicate a concern regarding the potential for the off-site migration of COPCs in soil vapor. The laboratory analytical results were compared to the NYSDOH Air Guidelines Values and the USEPA BASE Database - 90th Percentile.

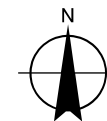
No further action is recommended in connection with soil vapor.



FIGURES

Carman Place BCP Site Village of Hempstead, NY

-  Proposed
Redevelopment
-  BCP Site Boundary



0 300 600 Feet

Site Location Map
Figure 1

Date: APRIL 2023





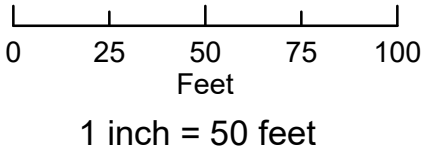
Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

Supplemental Remedial
Investigation

Legend

- Proposed Redevelopment
- BCP Site Boundary
- Lot Boundary
- AOC 4 Suspected UST Location



NOTES:

1. All SRI Soil Borings were advanced to 16 ft bgs.
2. All Northeastern Lots Test Pit Locations were advanced to 6 ft bgs.
3. SB-100 through SB-105 were advanced to 4 ft bgs.
4. All monitoring wells were installed to a depth of 32 ft bgs.

Site Plan

FIGURE 2

LaBella Project No: 2230824
Date: April 2023

Carman Place
BCP Site
Village of
Hempstead, NY

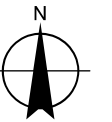
- Proposed
Redevelopment
- BCP Site Boundary

★ Sensitive Receptor

Land Use

- Commercial
- Community services
- Industrial
- Public services
- Recreation
- Residential
- Vacant

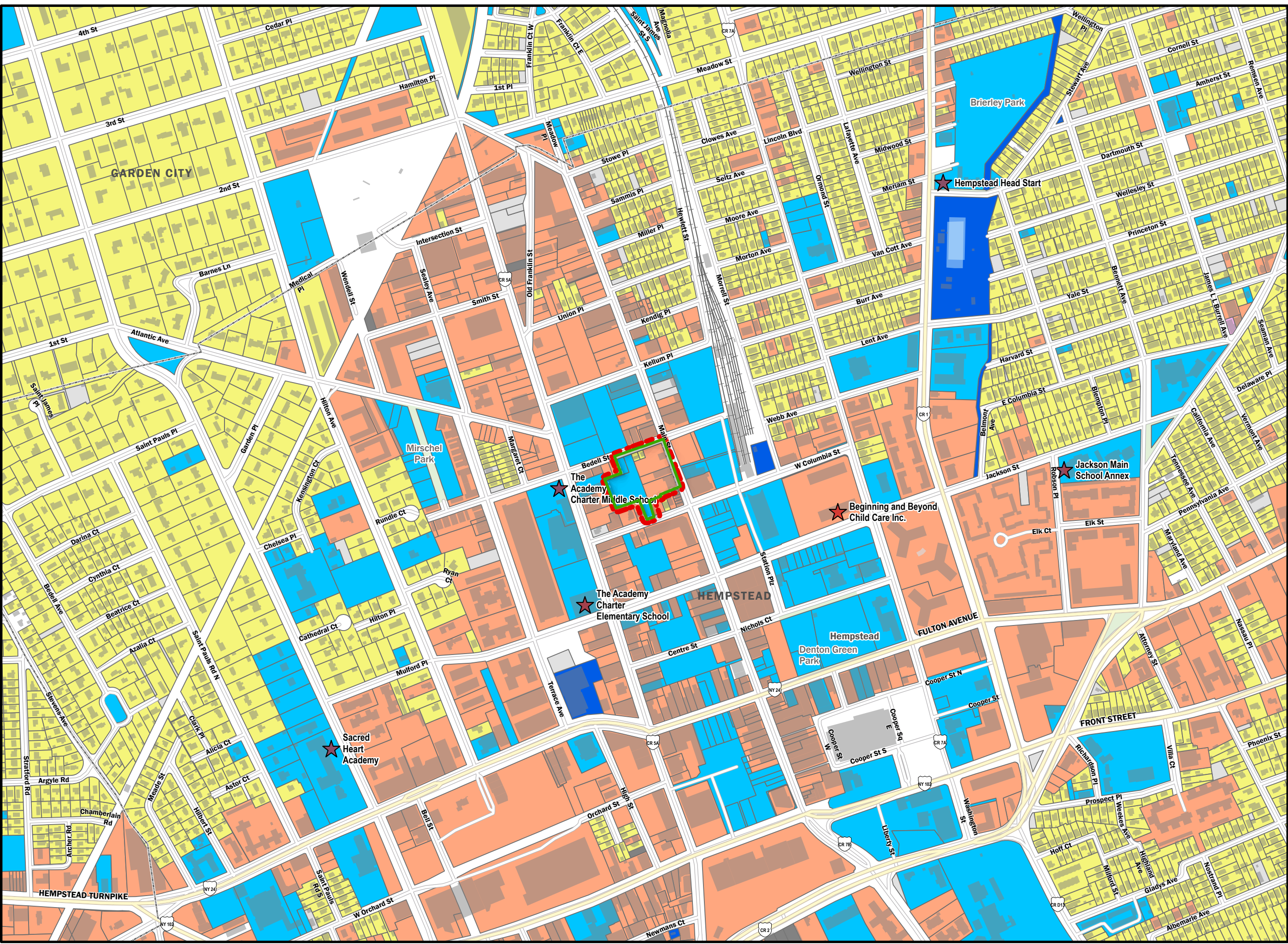
1/2-mile Radius

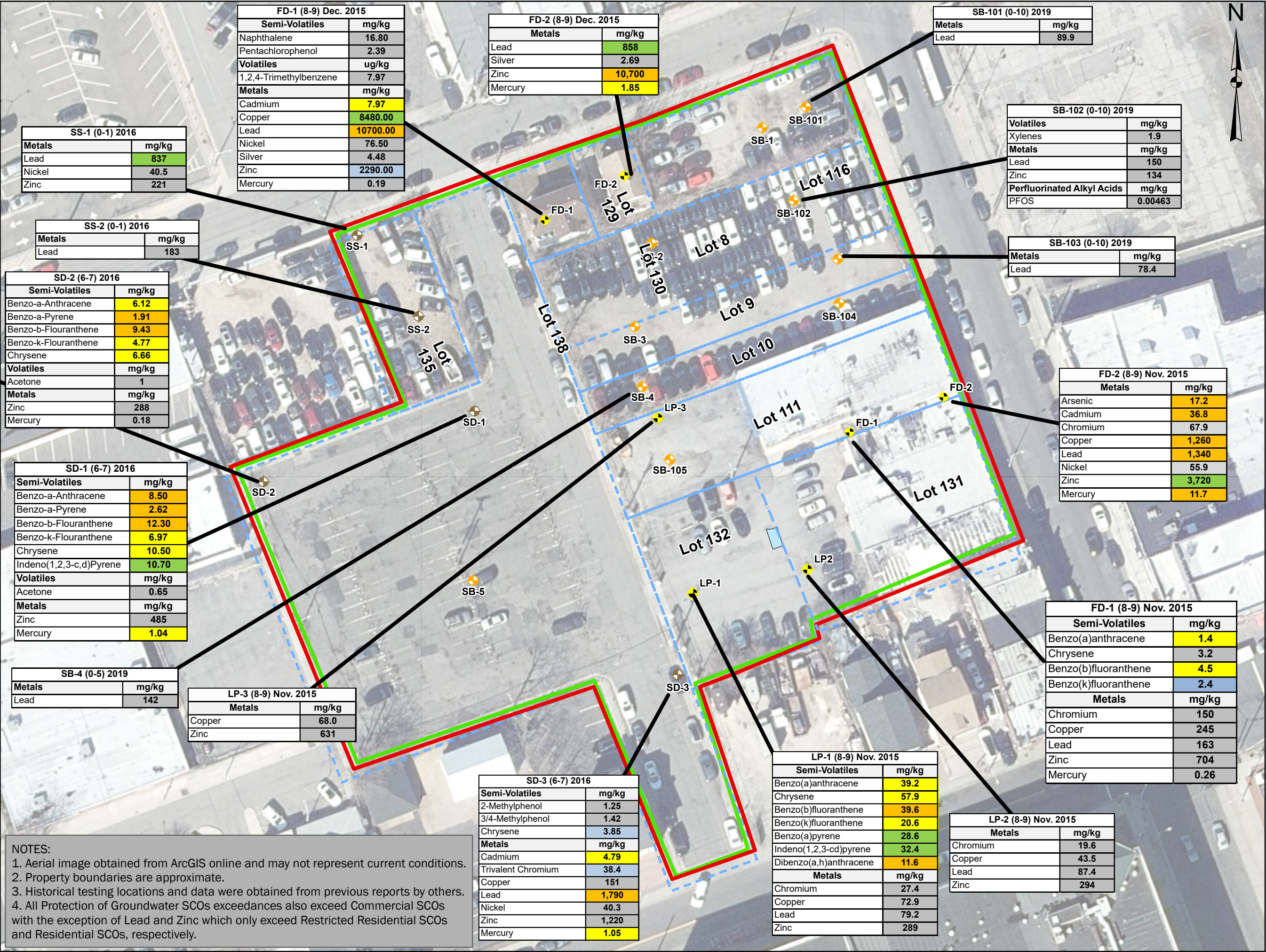


0 420 840 Feet

Figure 3
Land Use &
Sensitive
Receptors

Date: April 2023





**Carman Place Site
BCP No. C130250**

157 Main Street
Hempstead, New York

**Supplemental Remedial
Investigation**

- Legend**
- 2015 Floor Drain & Leaching Pool Location
 - 2016 Storm Drain Location
 - 2019 Soil Boring Location
 - Proposed Redevelopment
 - Lot Boundary
 - BCP Site Boundary

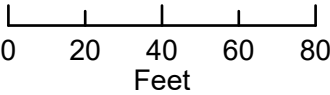
Exceeds Part 375
Unrestricted Use SCOs

Exceeds Part 375
Residential SCOs

Exceeds Part 375 Restricted
Residential SCOs

Exceeds Part 375
Commercial SCOs

Exceeds Part 375 Protection
of Groundwater SCOs



1:600

**Historical Soil Sample
Analytical Results**

FIGURE 4

LaBella Project No: 2230824
Date: April 2023

Path: C:\Users\ward\MapData\Local\Temp\ArcGISPro\Temp14500\Trace622-955-4d1e9b8e-7bb141be4116\Untitled.aprx
Creator: BWF Reviewer: RK
Crestor: J.D. Reviewer: DD

	OA-111
VOCs	mcg/m3
1,1,1-TCA	ND
1,1-DCE	ND
Carbon Tetrachloride	0.579
cis 1,2-DCE	0.472
Methylene Chloride	ND
PCE	1
TCE	0.554
Vinyl Chloride	ND

	SS-111	IA-111
VOCs	mcg/m3	mcg/m3
1,1,1-TCA	ND	ND
1,1-DCE	ND	ND
Carbon Tetrachloride	ND	0.447
cis 1,2-DCE	ND	0.301
Methylene Chloride	6.57	ND
PCE	ND	0.583
TCE	ND	0.613
Vinyl Chloride	ND	ND

	OA-1
VOCs	mcg/m3
1,1,1-TCA	ND
1,1-DCE	ND
Carbon Tetrachloride	0.51
cis 1,2-DCE	ND
Methylene Chloride	ND
PCE	0.509
TCE	ND
Vinyl Chloride	ND

	SS-1	IA-1
VOCs	mcg/m3	mcg/m3
1,1,1-TCA	5.21	ND
1,1-DCE	ND	ND
Carbon Tetrachloride	ND	0.51
cis 1,2-DCE	ND	ND
Methylene Chloride	ND	3.210
PCE	382	0.271
TCE	50.9	ND
Vinyl Chloride	ND	ND

NOTES:
1. All data presented is from the 2019 Phase II investigation
2. Co-located Soil Vapor and Indoor Air Data was compared to the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York Matrices
3. ND = Non-Detect

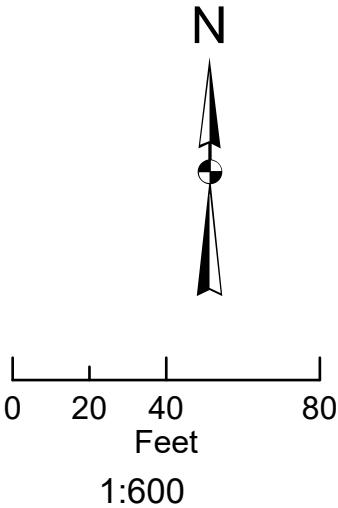


Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

Supplemental Remedial
Investigation

- Legend
- Historic Air Sample Locations
 - Lot Boundary
 - Proposed Redevelopment
 - BCP Site Boundary



Historic Soil Vapor
Sample Analytical
Results

Figure 5

LaBella Project No: 2230824
Date: April 2023



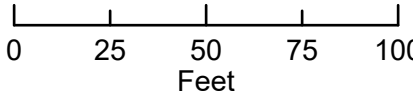
Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

**Supplemental Remedial
Investigation**

Legend

-  2015 Floor Drain Sample Location
-  2016 Storm Drain Sample Location
-  2019 Soil Boring Location
-  SRI Soil Boring/Monitoring Well Location
-  SRI Soil Boring Location
-  BCP Site Boundary
-  Northeastern Lots Test Pit/Boring Location
-  Lot Boundary
-  AOC 1 Historic Fill (Site Wide)
-  AOC 4 Suspected UST Location
-  AOC 5 Former Dry Cleaning Operation
-  AOC 2 Leaching Pools & Storm Drains
-  AOC 3 Floor Drains



1:600

**Areas of Concern &
Sampling Locations**

FIGURE 6

Path: C:\Users\eward\MapData\Local\Temp\ArcGISPro\Temp14500\Trace22-9553-4d1e-9b8e-7bb14be4116\Untitled.aprx
Creator: BWF Reviewer: RK

ANALYTE		SB-07/SD-1 (6-8)
SEMI-VOLATILE ORGANICS		mg/kg
Benzo(a)anthracene		1.2
Benzo(a)pyrene		1.4
Benzo(b)fluoranthene		2
Chrysene		1.6
Indeno(1,2,3-cd)pyrene		1.1
PESTICIDES		mg/kg
4,4'-DDD		0.149
4,4'-DDE		0.071 P
4,4'-DDT		0.0647 P
PCBs		mg/kg
Aroclor 1260		0.647
TOTAL METALS		mg/kg
Cadmium, Total		2.84
Copper, Total		132
Lead, Total		2100
Mercury, Total		5.96
Nickel, Total		40.9
Silver, Total		5.13
Zinc, Total		694
GENERAL CHEMISTRY		mg/kg
Chromium, Trivalent		72.7 J

ANALYTE			SB-02 (2-4)	SB-02 (4-6)
PESTICIDES			mg/kg	
4,4'-DDE			0.00422	0.032
4,4'-DDT			ND	0.00557
TOTAL METALS			mg/kg	
Lead, Total			13	288
Zinc, Total			22.8	139

ANALYTE		SB-01 (0-2)
TOTAL METALS		mg/kg
Lead, Total		138

ANALYTE			SB-03 (0-2)	SB-03 (2-4)
PESTICIDES			mg/kg	
4,4'-DDT			0.00722	0.00433
Dieldrin			0.00671	0.00269
TOTAL METALS			mg/kg	
Lead, Total			126	78.3

ANALYTE		SB-04 (0-2)
PESTICIDES		mg/kg
4,4'-DDT		0.00594
Dieldrin		0.00724

ANALYTE		SB-05/LP-3 (8-10)
SEMI-VOLATILE ORGANICS		mg/kg
Benzo(a)anthracene		7.3
Benzo(a)pyrene		11
Benzo(b)fluoranthene		15
Benzo(k)fluoranthene		2.8
Chrysene		12
Dibenzo(a,h)anthracene		1.2
Indeno(1,2,3-cd)pyrene		6.8
PESTICIDES		mg/kg
4,4'-DDD		0.00722 P
TOTAL METALS		mg/kg
Zinc, Total		254

ANALYTE		SB-08 (0-2)
TOTAL METALS		mg/kg
Lead, Total		375
Manganese, Total		1740
Zinc, Total		189

ANALYTE		SB-06 (0-2)
TOTAL METALS		mg/kg
Lead, Total		83.4

ANALYTE		SB-09 (0-2)
TOTAL METALS		mg/kg
Lead, Total		436
Mercury, Total		0.434
Zinc, Total		308

ANALYTE		SB-10/LP-1 (8-10)
SEMI-VOLATILE ORGANICS		mg/kg
Benzo(a)anthracene		8.6
Benzo(a)pyrene		12
Benzo(b)fluoranthene		20
Benzo(k)fluoranthene		6.6
Chrysene		16
Dibenzo(a,h)anthracene		2.1
Indeno(1,2,3-cd)pyrene		12
TOTAL METALS		mg/kg
Zinc, Total		201

ANALYTE		LP-02 (8-10)
TOTAL METALS		mg/kg
Copper, Total		52.9
Zinc, Total		186

ANALYTE		SB-11 (0-2)
SEMI-VOLATILE ORGANICS		mg/kg
Benzo(b)fluoranthene		1
Chrysene		1
Indeno(1,2,3-cd)pyrene		0.52
PESTICIDES		mg/kg
4,4'-DDE		0.00414
4,4'-DDT		0.0091
TOTAL METALS		
Lead, Total		409
Mercury, Total		0.246
Zinc, Total		219



Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

Supplemental Remedial
Investigation

Legend

- 2015 Soil Boring Location
- 2016 Storm Water Leaching Pool Location
- 2019 Soil Boring Location
- 2023 SRI Soil Boring & Monitoring Well Location
- 2023 SRI Soil Boring Location
- Lot Boundary
- Proposed Redevelopment
- BCP Site Boundary
- Suspected UST Location

Exceeds Part 375
Unrestricted Use SCOs

Exceeds Part 375
Residential SCOs

Exceeds Part 375 Restricted
Residential SCOs

Exceeds Part 375
Commercial SCOs

Exceeds Part 375 Protection
of Groundwater SCOs

0 30 60 120
Feet

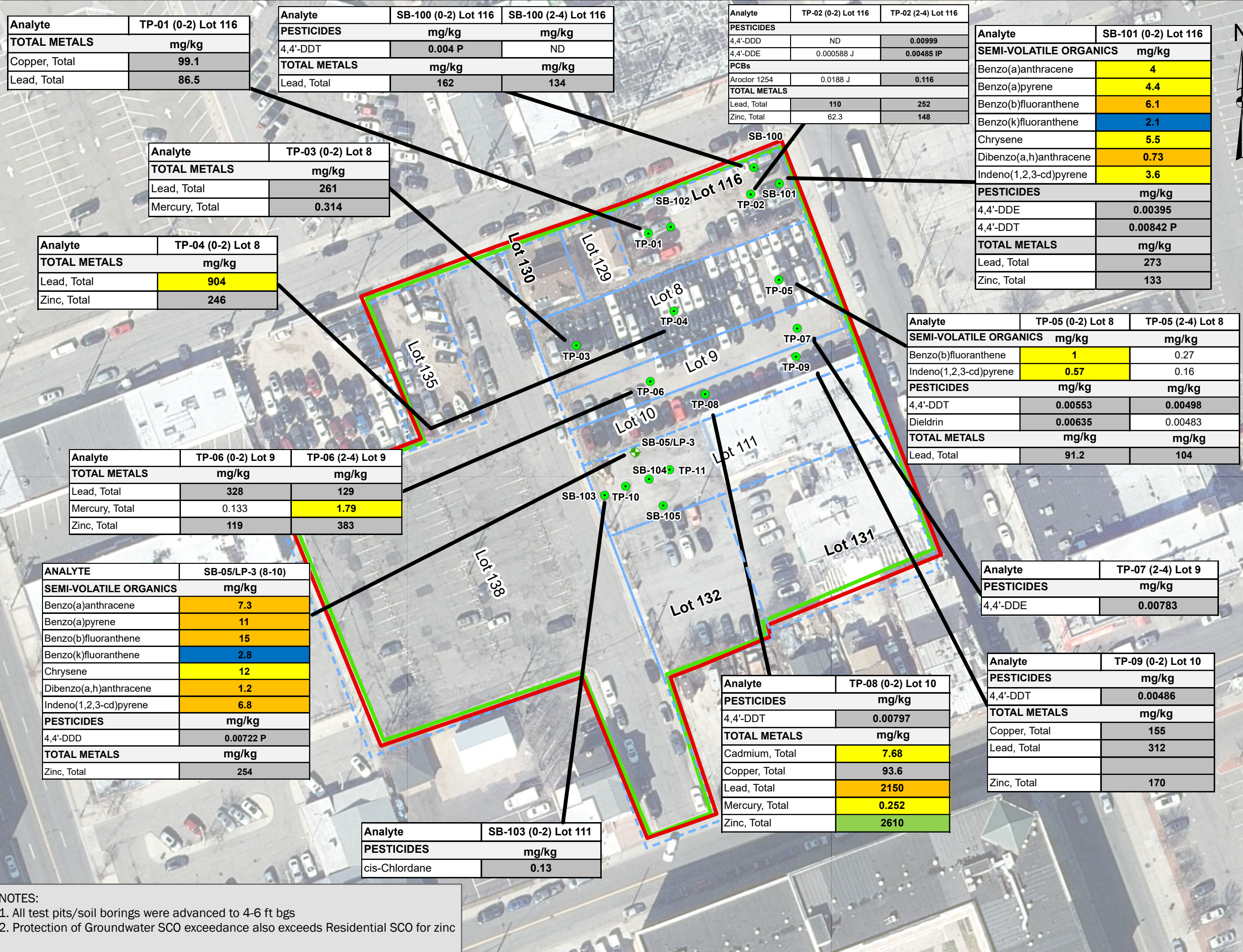
1:720

SRI Soil Sample
Analytical Results

FIGURE 7

LaBella Project No: 2230824
Date: April 2023

NOTES:
1. All Soil Borings were advanced to 16 ft-bgs.



Carman Place Site
BCP No. C130250

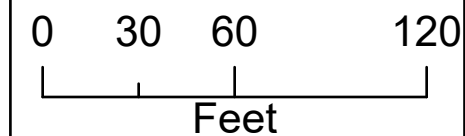
**157 Main Street
Hempstead, New York**

Supplemental Remedial Investigation - Northeastern Lots

Legend

-  Leaching Pool Boring
-  Test Pit/Soil Boring Location
-  Proposed Redevelopment
-  BCP Site Boundary
-  Lot Boundary

Exceeds Part 375 Unrestricted Use SCOs
Exceeds Part 375 Residential SCOs
Exceeds Part 375 Restricted Residential SCOs
Exceeds Part 375 Commercial SCOs
Exceeds Part 375 Protection of Groundwater SCOs



1:720

Soil Sample Analytical Results - Northeastern Lots

FIGURE 8

LaBella Project No: 2230824
Date: April 2023



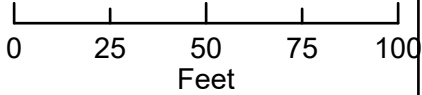
NOTES:
1. All Soil Borings were advanced to 16 ft-bgs.

Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

Supplemental Remedial
Investigation

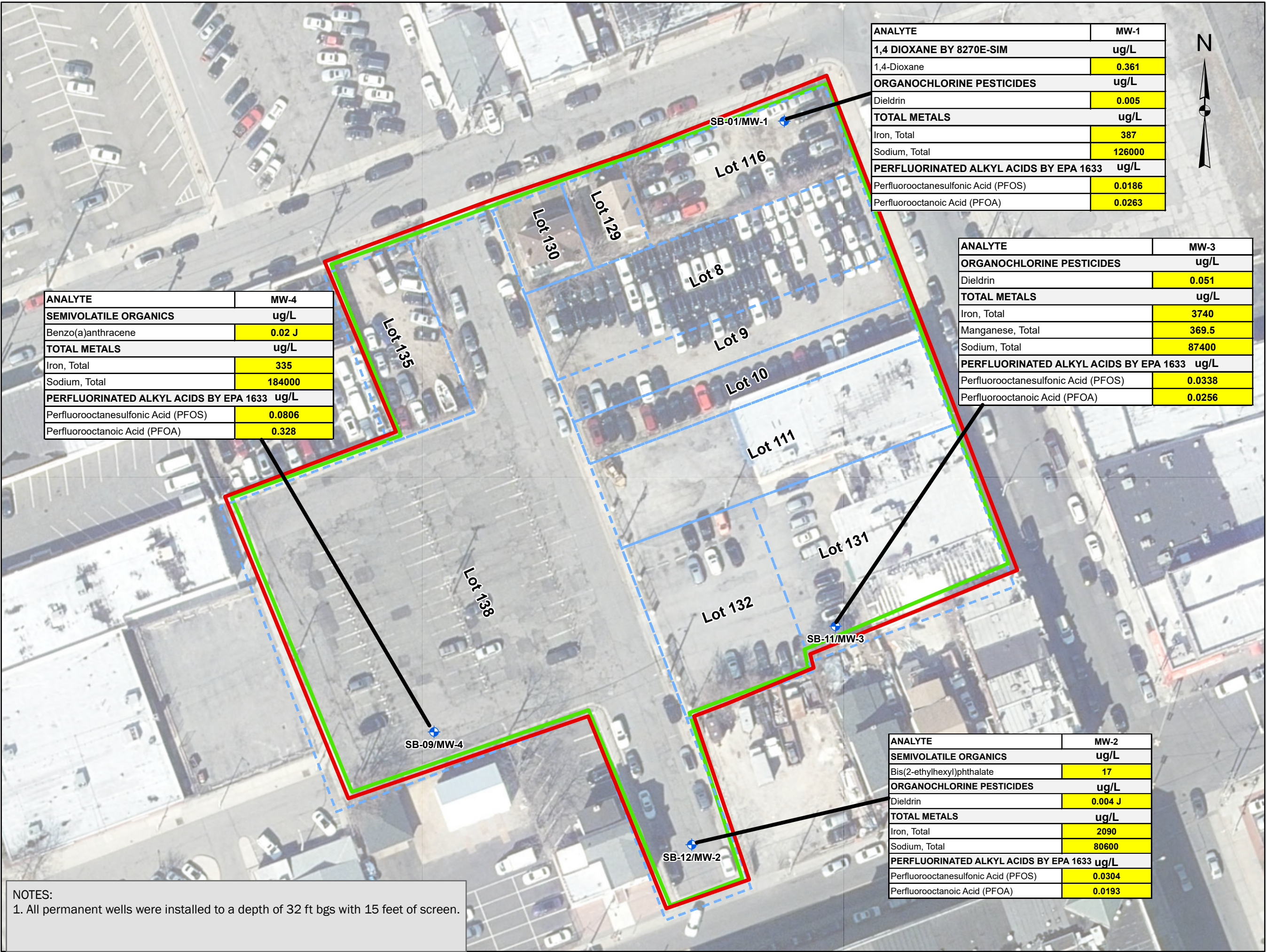
- Legend**
-  Proposed Redevelopment
 -  AOC 4 Suspected UST Location
 -  BCP Site Boundary
 -  SRI Soil Boring/Monitoring Well Location
 -  Lot Boundary



1:600

**Groundwater Contour
& Flow Direction**

FIGURE 9



NOTES:
1. All permanent wells were installed to a depth of 32 ft bgs with 15 feet of screen.

Creator: BWF Reviewer: RK
Path: C:\Users\ward\MapData\Local\Temp\ArcGISPro\Temp14500\TraceGe22-953-4d1e9b8e-7bb141be4116\Untitled.aprx

SAMPLE ID:	SV-04		SV-04 OA	
ANALYTE	ug/m3		ug/m3	
Volatiles (TO15) By TO15				
1,1,1-Trichloroethane	< 1.00	U	< 1.00	U
1,1-Dichloroethene	< 0.20	U	< 0.20	U
Carbon Tetrachloride	0.34		0.43	
Cis-1,2-Dichloroethene	< 0.20	U	< 0.20	U
Methylene Chloride	< 3.00	U	< 3.00	U
Tetrachloroethene	11.1		< 0.25	U
Trichloroethene	< 0.20	U	< 0.20	U
Vinyl Chloride	< 0.20	U	< 0.20	U

SAMPLE ID:	SV-02
ANALYTE	ug/m3
Volatiles (TO15) By TO15	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
Carbon Tetrachloride	ND
Cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Tetrachloroethene	1.46
Trichloroethene	ND
Vinyl Chloride	ND

NOTES:
1. Soil Vapor Points were set 1 foot above the bottom of the borehole at a depth of 9 ft bgs
2. Soil vapor samples were collected via Summa Canisters with 2-hour regulators and analyzed for TO-15.
3. Sampling was performed in accordance with NYSDOH Guidance

SAMPLE ID:	SV-01
ANALYTE	ug/m3
Volatiles (TO15) By TO15	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
Carbon Tetrachloride	0.37
Cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Tetrachloroethene	0.78
Trichloroethene	ND
Vinyl Chloride	ND

SAMPLE ID:	SV-03
ANALYTE	ug/m3
Volatiles (TO15) By TO15	
1,1,1-Trichloroethane	ND
1,1-Dichloroethene	ND
Carbon Tetrachloride	0.36
Cis-1,2-Dichloroethene	ND
Methylene Chloride	ND
Tetrachloroethene	0.58
Trichloroethene	ND
Vinyl Chloride	ND

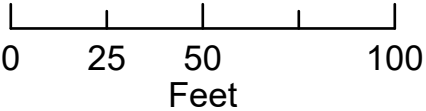


Carman Place Site
BCP No. C130250

157 Main Street
Hempstead, New York

Supplemental Remedial
Investigation

- Legend
- Historic Air Sample Locations
 - Soil Vapor Sampling Location
 - Lot Boundary
 - Proposed Redevelopment
 - BCP Site Boundary
 - Suspected UST Location



1:600

SRI Soil Vapor
Sampling Locations

Figure 11

LaBella Project No: 2230824
Date: April 2023



Tables

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-01 (0-2)		SB-01 (2-4)		SB-01 (4-6)		SB-01 (8-10)		SB-01 (12-14)		SB-01 (14-16)		SB-02 (0-2)		SB-02 (2-4)		SB-02 (4-6)		SB-02 (6-8)		SB-02 (10-12)		SB-02 (14-16)		SB-03 (0-2)		SB-03 (2-4)		SB-03 (4-6)			
LAB ID:						L2304756-01		L2304756-02		L2304756-03		L2304756-04		L2304756-05		L2304756-06		L2305942-13		L2305942-14		L2305942-15		L2305942-16		L2305942-17		L2305942-18		L2305942-01		L2305942-02 R1		L2305942-03			
COLLECTION DATE:						1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q				
VOLATILE ORGANICS																																					
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.0003	U	0.00034	U	0.00035	U	0.00035	U	0.00031	U	0.0003	U	0.00052	U	0.00042	U	0.00066	U	0.00056	U	0.00052	U	0.0005	U	0.00057	U	0.00051	U	0.00057	U		
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.0003	U	0.00034	U	0.00035	U	0.00035	U	0.00031	U	0.0003	U	0.00052	U	0.00042	U	0.00066	U	0.00056	U	0.00052	U	0.0005	U	0.00057	U	0.00051	U	0.00057	U		
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.0003	U	0.00034	U	0.00035	U	0.00035	U	0.00031	U	0.0003	U	0.00052	U	0.00042	U	0.00066	U	0.00056	U	0.00052	U	0.0005	U	0.00057	U	0.00051	U	0.00057	U		
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,1-Dichloroethane	0.27	19	26	240	0.27	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,1-Dichloroethene	0.33	100	100	500	0.33	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.0003	U	0.00034	U	0.00035	U	0.00035	U	0.00031	U	0.0003	U	0.00052	U	0.00042	U	0.00066	U	0.00056	U	0.00052	U	0.0005	U	0.00057	U	0.00051	U	0.00057	U		
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0018	U	0.0021	U	0.0021	U	0.0021	U	0.0019	U	0.0018	U	0.0031	U	0.0025	U	0.0039	U	0.0034	U	0.0031	U	0.003	U	0.0034	U	0.003	U	0.0034	U		
1,2-Dibromoethane	NC	NC	NC	NC	NC	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.0006	U	0.00069	U	0.0007	U	0.00071	U	0.00063	U	0.00059	U	0.001	U	0.00084	U	0.0013	U	0.0011	U	0.001	U	0.001	U	0.0011	U	0.001	U	0.0011	U		
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.0003	U	0.00034	U	0.00035	U	0.00035	U	0.00031	U	0.0003	U	0.00052	U	0.00042	U	0.00066	U	0.00056	U	0.00052	U	0.0005	U	0.00057	U	0.00051	U	0.00057	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
1,4-Dioxane	0.1	0.48	0.55	0.57	0.1	0.048	U	0.055	U	0.056	U	0.057	U	0.05	U	0.048	U	0.084	U	0.067	U	0.7	U	0.09	U	0.084	U	0.08	U	0.091	U	0.081	U	0.092	U		
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0012	U	0.0014	U	0.0014	U	0.0014	U	0.0012	U	0.0012	U	0.0021	U	0.0017	U	0.0026	U	0.0022	U	0.0021	U	0.002	U	0.0023	U	0.002	U	0.0023	U		
2-Butanone	0.12	100	100	500	0.12	0.006	U	0.0069	U	0.007	U	0.0071	U	0.0063	U	0.0059	U	0.01	U	0.0084	U	0.013	U	0.011	U	0.01	U	0.01	U	0.011	U	0.01	U	0.011	U		
2-Hexanone	NC	NC	NC	NC	NC	0.006	U	0.0069	U	0.007	U	0.0071	U	0.0063	U	0.0059	U	0.01	U	0.0084	U	0.013	U	0.011	U	0.01	U	0.01	U	0.011	U	0.01	U	0.011	U		
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.006	U	0.0069	U	0.007	U	0.0071	U	0.006																							

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-01 (0-2)		SB-01 (2-4)		SB-01 (4-6)		SB-01 (8-10)		SB-01 (12-14)		SB-01 (14-16)		SB-02 (0-2)		SB-02 (2-4)		SB-02 (4-6)		SB-02 (6-8)		SB-02 (10-12)		SB-02 (14-16)		SB-03 (0-2)		SB-03 (2-4)		SB-03 (4-6)			
LAB ID:						L2304756-01		L2304756-02		L2304756-03		L2304756-04		L2304756-05		L2304756-06		L2305942-13		L2305942-14		L2305942-15		L2305942-16		L2305942-17		L2305942-18		L2305942-01		L2305942-02 R1		L2305942-03			
COLLECTION DATE:						1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil				
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q				
SEMI-VOLATILE ORGANICS																																					
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.2	UJ	0.17	UJ	0.17	UJ	0.17	U	0.17	UJ	0.17	UJ	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
1,4-Dioxane	0.1	9.8	13	130	0.1	0.03	UJ	0.025	UJ	0.026	UJ	0.026	UJ	0.026	UJ	0.025	UJ	0.027	U	0.026	U	0.028	U	0.024	U	0.025	U	0.025	U	0.026	U	0.027	U	0.026	U		
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	UJ	0.17	UJ	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	UJ	0.17	UJ		
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.12	UJ	0.1	UJ	0.1	UJ	0.1	U	0.1	UJ	0.1	UJ	0.11	UJ	0.1	UJ	0.11	U	0.098	U	0.1	U	0.099	U	0.11	U	0.11	UJ	0.1	UJ		
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.18	U	0.15	U	0.15	U	0.15	U	0.16	U	0.15	U	0.16	U	0.16	U	0.17	U	0.15	U	0.15	U	0.15	U	0.16	U	0.16	U	0.16	U		
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.97	U	0.81	U	0.82	U	0.82	U	0.83	U	0.81	U	0.85	UJ	0.84	U	0.9	U	0.78	U	0.81	U	0.79	U	0.87	U	0.87	UJ	0.83	UJ		
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	UJ	0.17	UJ	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	UJ	0.17	UJ		
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	UJ	0.17	UJ	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	UJ	0.17	UJ		
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	UJ	0.17	UJ		
2-Chlorophenol	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.24	U	0.2	U	0.2	U	0.2	U	0.21	U	0.2	U	0.21	U	0.21	U	0.22	U	0.2	U	0.2	U	0.2	U	0.023	J	0.22	U	0.21	U		
2-Methylphenol	0.33	100	100	500	0.33	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
2-Nitroaniline	NC	NC	NC	NC	NC	0.2	UJ	0.17	UJ	0.17	UJ	0.17	U	0.17	UJ	0.17	UJ	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
2-Nitrophenol	NC	NC	NC	NC	NC	0.44	U	0.37	U	0.37	U	0.37	U	0.37	U	0.36	U	0.38	U	0.38	UJ	0.4	UJ	0.35	UJ	0.36	UJ	0.36	UJ	0.39	UJ	0.39	U	0.37	UJ		
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.29	U	0.24	U	0.25	U	0.24	U	0.25	U	0.24	U	0.26	U	0.25	U	0.27	U	0.24	U	0.24	U	0.24	U	0.26	U	0.26	U	0.25	U		
3-Nitroaniline	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
4,6-Dinitro- <i>o</i> -cresol	NC	NC	NC	NC	NC	0.53	U	0.44	U	0.44	U	0.44	U	0.45	U	0.44	U	0.46	UJ	0.45	UJ	0.48	UJ	0.42	UJ	0.44	UJ	0.43	UJ	0.47	UJ	0.47	UJ	0.45	UJ		
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
4-Chloroaniline	NC	NC	NC	NC	NC	0.2	UJ	0.17	UJ	0.17	UJ	0.17	U	0.17	UJ	0.17	UJ	0.18	UJ	0.17	UJ	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	UJ	0.17	UJ		
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
4-Nitroaniline	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
4-Nitrophenol	NC	NC	NC	NC	NC	0.28	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.25	UJ	0.24	U	0.26	U	0.23	U	0.24	U	0.23	U	0.25	U	0.25	UJ	0.24	UJ		
Acenaphthene	20	100	100	500	98	0.16	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.14	UJ	0.14	U	0.14	U	0.15	U	0.13	U	0.13	U	0.13	U	0.14	U	0.14	U	0.14	U		
Acenaphthylene	100	100	100	500	107	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.042	J	0.14	U	0.15	U	0.13	U	0.13	U	0.13	U	0.24		0.058	J	0.03	J		
Acetophenone	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
Anthracene	100	100	100	500	1000	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.038	J		U	0.11	U	0.098	U	0.1	U	0.099	U	0.26		0.11	U	0.1	U		
Benzo(a)anthracene	1	1	1	5.6	1	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.18			U	0.11	U	0.098	U	0.1	U	0.099	U	0.68		0.088	J	0.038	J		
Benzo(a)pyrene	1	1	1	22		0.16	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.16			U	0.15	U	0.13	U	0.13	U	0.13	U	0.6		0.093	J	0.14	U		
Benzo(b)fluoranthene	1	1	1	5.6	1.7	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.2			U	0.1	U	0.11	U	0.098	U	0.1	U	0.099	U	0.82		0.11		0.054	J
Benzo(ghi)perylene	100	100	100	500	1000	0.16	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.1	J	0.14	U	0.15	U	0.13	U	0.13	U	0.13	U	0.36		0.069	J	0.034	J		
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.064	J	0.1	U	0.11	U	0.098	U	0.1	U	0.099	U	0.22		0.045	J	0.1	U		
Benzoic Acid	NC	NC	NC	NC	NC		R		R		R	0.55	U		R		R		R		R		R		R		R		R		R		R		R		
Benzy Alcohol	NC	NC	NC	NC	NC	0.2	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.18	U	0.17	U	0.19	U	0.16	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U		
Biphenyl	NC	NC	NC	NC	NC	0.46	U	0.39	U	0.39	U	0.39	U	0.39	U	0.38	U	0.4	U	0.4	U	0.42	U	0.37	U	0.38	U	0.38	U	0.41	U	0.41	U	0.4	U</		

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:						SB-01 (0-2)		SB-01 (2-4)		SB-01 (4-6)		SB-01 (8-10)		SB-01 (12-14)		SB-01 (14-16)		SB-02 (0-2)		SB-02 (2-4)		SB-02 (4-6)		SB-02 (6-8)		SB-02 (10-12)		SB-02 (14-16)		SB-03 (0-2)		SB-03 (2-4)		SB-03 (4-6)			
LAB ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	L2304756-01		L2304756-02		L2304756-03		L2304756-04		L2304756-05		L2304756-06		L2305942-13		L2305942-14		L2305942-15		L2305942-16		L2305942-17		L2305942-18		L2305942-01		L2305942-02 R1		L2305942-03			
COLLECTION DATE:						1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
CHLORINATED HERBICIDES BY GC																																					
2,4,5-T	NC	NC	NC	NC	NC	0.2	U	0.173	U	0.17	U	0.172	U	0.174	U	0.17	U	0.18	U	0.176	U	0.186	U	0.167	U	0.17	U	0.168	U	0.178	U	0.183	U	0.174	U		
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.2	U	0.173	U	0.17	U	0.172	U	0.174	U	0.17	U	0.18	UJ	0.176	UJ	0.186	UJ	0.167	UJ	0.17	UJ	0.168	UJ	0.178	UJ	0.183	UJ	0.174	UJ		
2,4-D	NC	NC	NC	NC	NC	0.2	U	0.173	U	0.17	U	0.172	U	0.174	U	0.17	U	0.18	U	0.176	U	0.186	U	0.167	U	0.17	U	0.168	U	0.178	U	0.183	U	0.174	U		
PESTICIDES																																					
4,4'-DDD	0.0033	2.6	13	92	14	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
4,4'-DDE	0.0033	1.8	8.9	62	17	0.0017	J	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00557	0.032	0.0016	U	0.00159	U	0.00161	U	0.00722	0.00433	J	0.0028	IP			
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000795	U	0.000673	U	0.00068	U	0.000664	U	0.000688	U	0.0019	U	0.000697	U	0.000695	U	0.000729	U	0.000669	U	0.000662	U	0.00067	U	0.000718	U	0.000721	U	0.00069	U		
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Chlordane	NC	NC	NC	NC	NC	0.0159	U	0.0135	U	0.0136	U	0.0133	U	0.0138	U	0.0381	U	0.0139	U	0.0139	U	0.0146	U	0.0134	U	0.0132	U	0.0134	U	0.0144	U	0.0144	U	0.0138	U		
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00521	U	0.00202	U	0.00204	U	0.00199	U	0.00206	U	0.00571	U	0.00209	U	0.00208	U	0.00219	U	0.00201	U	0.00199	U	0.00201	U	0.00366	J	0.00355	J	0.00376	U		
Delta-BHC	0.04	100	100	500	0.25	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00119	U	0.00101	U	0.00102	U	0.000996	U	0.00103	U	0.00286	U	0.00105	U	0.00104	U	0.00109	U	0.001	U	0.000994	U	0.001	U	0.00671	0.00269	J	0.00173	IP			
Endosulfan I	2.4	4.8	24	200	102	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Endosulfan II	2.4	4.8	24	200	102	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000795	U	0.000673	U	0.00068	U	0.000664	U	0.000688	U	0.0019	U	0.000697	U	0.000695	U	0.000729	U	0.000669	U	0.000662	U	0.00067	U	0.000718	U	0.000721	U	0.00069	U		
Endrin	0.014	2.2	11	89	0.06	0.000795	U	0.000673	U	0.00068	U	0.000664	U	0.000688	U	0.0019	U	0.000697	U	0.000695	U	0.000729	U	0.000669	U	0.000662	U	0.00067	U	0.000718	U	0.000721	U	0.00069	U		
Endrin aldehyde	NC	NC	NC	NC	NC	0.00238	U	0.00202	U	0.00204	U	0.00199	U	0.00206	U	0.00571	U	0.00209	U	0.00208	U	0.00219	U	0.00201	U	0.00199	U	0.00201	U	0.00215	U	0.00216	U	0.00207	U		
Endrin ketone	NC	NC	NC	NC	NC	0.00191	U	0.00162	U	0.00163	U	0.00159	U	0.00165	U	0.00457	U	0.00167	U	0.00167	U	0.00175	U	0.0016	U	0.00159	U	0.00161	U	0.00172	U	0.00173	U	0.00166	U		
Heptachlor	0.042	0.42	2.1	15	0.38	0.000954	U	0.000808	U	0.000816	U	0.000797	U	0.000825	U	0.00228	U	0.000837	U	0.000834	U	0.000875	U	0.000803	U	0.000795	U	0.000803	U	0.000862	U	0.000865	U	0.000828	U		
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00358	U	0.00303	U	0.00306	U	0.00299	U	0.00309	U	0.00857	U	0.00314	U	0.00313	U	0.00328	U	0.00301	U	0.00298	U	0.00301	U	0.00323	U	0.00324	U	0.0031	U		
Lindane	0.1	0.28	1.3	9.2	0.1	0.000795	U	0.000673	U	0.00068	U	0.000664	U	0.000688	U	0.0019	U	0.000697	U	0.000695	U	0.000729	U	0.000669	U	0.000662	U	0.00067	U	0.000718	U	0.000721	U	0.00069	U		
Methoxychlor	NC	NC	NC	NC	NC	0.00358	U	0.00303	U	0.00306	U	0.00299	U	0.00309	U	0.00857	U	0.00314	U	0.00313	U	0.00328	U	0.00301	U	0.00298	U	0.00301	U	0.00323	U	0.00324	U	0.0031	U		
Toxaphene	NC	NC	NC	NC	NC	0.0358	U	0.0303	U	0.0306	U	0.0299	U	0.0309	U	0.0857	U	0.0314	U	0.0313	U	0.0328	U	0.0301	U	0.0298	U	0.0301	U	0.0323	U	0.0324	U	0.031	U		
trans-Chlordane	NC	NC	NC	NC	NC	0.00468		0.00202	U	0.00204	U	0.00199	U	0.00206	U	0.00571	U	0.00209	U	0.00208	U	0.00219	U	0.00201	U	0.00199	U	0.00201	U	0.00471		0.00422	J	0.00162	J		
PCBs																																					
Aroclor 1016	0.1	1	1	1	3.2	0.0402	U	0.033	U	0.0346	U	0.0331	U	0.0336	U	0.0938	U	0.036	U	0.0352	U	0.0351	U	0.0317	U	0.0331	U	0.0327	U	0.0362	U	0.0351	U	0.0339	U		
Aroclor 1221	0.1	1	1	1	3.2	0.0402	U	0.033	U	0.0346	U	0.0331	U	0.0336	U	0.0938	U	0.036	U	0.0352	U	0.0351	U	0.0317	U	0.0331	U	0.0327	U	0.0362	U	0.0351	U	0.0339	U		
Aroclor 1232	0.1	1	1	1	3.2	0.0402	U	0.033	U	0.0346	U	0.0331	U	0.0336	U	0.0938	U	0.036	U	0.0352	U	0.0351	U	0.0317	U	0.0331	U	0.0327	U	0.0362	U	0.0351	U	0.0339	U		
Aroclor 1242	0.1	1	1	1	3.2	0.0402	U	0.033	U	0.0346	U	0.0331	U</																								

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-03 (8-10)		SB-03 (12-14)		SB-03 (14-16)		SB-04 (0-2)		SB-04 (2-4)		SB-04 (4-6)		SB-04 (8-10)		SB-04 (12-14)		SB-04 (14-16)		SB-05/LP-3 (8-10)		SB-05/LP-3 (10-12)		SB-05/LP-3 (12-14)		SB-05/LP-3 (14-16)		SB-06 (0-2)		SB-06 (2-4)	
LAB ID:						L2305942-04		L2305942-05		L2305942-06		L2305942-07		L2305942-08		L2305942-09		L2305942-10		L2305942-11		L2305942-12		L2306379-16 R1		L2306379-17		L2306379-18		L2306379-19		L2305942-25		L2305942-26	
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
VOLATILE ORGANICS																																			
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00052	U	0.00054	U	0.00056	U	0.00054	U	0.00049	U	0.00049	U	0.00059	U	0.00063	U	0.00056	U	0.00061	U	0.00057	U	0.00052	U	0.00052	U	0.00062	U	0.00048	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00052	U	0.00054	U	0.00056	U	0.00054	U	0.00049	U	0.00049	U	0.00059	U	0.00063	U	0.00056	U	0.00061	U	0.00057	U	0.00052	U	0.00052	U	0.00062	U	0.00048	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00052	UJ	0.00054	UJ	0.00056	UJ	0.00054	UJ	0.00049	UJ	0.00049	UJ	0.00059	UJ	0.00063	UJ	0.00056	UJ	0.00061	U	0.00057	U	0.00052	U	0.00052	U	0.00062	U	0.00048	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.001	UJ	0.0011	UJ	0.0011	UJ	0.0011	U	0.00099	UJ	0.00098	UJ	0.0012	UJ	0.0012	UJ	0.0011	UJ	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,1-Dichloroethane	0.27	19	26	240	0.27	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,1-Dichloroethene	0.33	100	100	500	0.33	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00052	U	0.00054	U	0.00056	U	0.00054	U	0.00049	U	0.00049	U	0.00059	U	0.00063	U	0.00056	U	0.00061	U	0.00057	U	0.00052	U	0.00052	U	0.00062	U	0.00048	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.00027	J	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.00072	J	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0031	UJ	0.0033	UJ	0.0034	UJ	0.0032	U	0.003	UJ	0.0029	UJ	0.0036	UJ	0.0038	UJ	0.0033	UJ	0.0036	UJ	0.0034	U	0.0031	U	0.0031	U	0.0037	U	0.0029	U
1,2-Dibromomethane	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0011	U	0.0011	U	0.00099	U	0.00098	U	0.0012	U	0.0012	U	0.0011	U	0.0012	U	0.0011	U	0.001	U	0.001	U	0.0012	U	0.00096	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.00041	J	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00052	U	0.00054	U	0.00056	U	0.00054	U	0.00049	U	0.00049	U	0.00059	U	0.00063	U	0.00056	U	0.00061	U	0.00057	U	0.00052	U	0.00052	U	0.00062	U	0.00048	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.084	U	0.087	U	0.09	U	0.086	U	0.079	U	0.078	U	0.095	U	0.095	U	0.091	U	0.089	U	0.097	U	0.091	U	0.084	U	0.084	U	0.077	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0022	U	0.0022	U	0.0022	U	0.002	U	0.002	U	0.0024	U	0.0025	U	0.0022	U	0.0024	U	0.0023	U	0.0021	U	0.0021	U	0.0025	U	0.0019	U
2-Butanone	0.12	100	100	500	0.12	0.01	U	0.011	U	0.011	U	0.011	U	0.0099	U	0.0098	U	0.012	U	0.012	U	0.011	U	0.016	U	0.011	U	0.01	U	0.01	U	0.012	U	0.0096	U
2-Hexanone	NC	NC	NC	NC	NC	0.01	U	0.011	U	0.011	U	0.011	U	0.0099	U	0.0098	U	0.012	U	0.012	U	0.011	U	0.012	U	0.011	U	0.01	U	0.01	U	0.012	U	0.0096	U
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.01	UJ	0.011	UJ	0.011	UJ	0.011	U	0.0099	UJ	0.0098	UJ	0.012	UJ	0.012	UJ	0.011	UJ	0.012	UJ	0.011	U	td							

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-03 (8-10)		SB-03 (12-14)		SB-03 (14-16)		SB-04 (0-2)		SB-04 (2-4)		SB-04 (4-6)		SB-04 (8-10)		SB-04 (12-14)		SB-04 (14-16)		SB-05/LP-3 (8-10)		SB-05/LP-3 (10-12)		SB-05/LP-3 (12-14)		SB-05/LP-3 (14-16)		SB-06 (0-2)		SB-06 (2-4)	
LAB ID:						L2305942-04		L2305942-05		L2305942-06		L2305942-07		L2305942-08		L2305942-09		L2305942-10		L2305942-11		L2305942-12		L2306379-16 R1		L2306379-17		L2306379-18		L2306379-19		L2305942-25		L2305942-26	
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
SEMI-VOLATILE ORGANICS																																			
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.094	J	0.2	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.11	J	0.2	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.11	J	0.2	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.07	J	0.2	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.026	U	0.026	U	0.026	U	0.027	U	0.025	U	0.026	U	0.028	U	0.026	U	0.026	U	0.032	U	0.028	U	0.028	U	0.028	U	0.027	U	0.029	U
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.17	UJ	0.18	U	0.17	U	0.18	UJ	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.1	UJ	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.13	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.16	U	0.16	U	0.16	U	0.16	U	0.15	U	0.15	U	0.17	U	0.16	U	0.16	U	0.19	U	0.17	U	0.16	U	0.17	U	0.16	U	0.18	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.83	UJ	0.84	U	0.83	U	0.87	UJ	0.81	U	0.82	U	0.91	U	0.84	U	0.84	U	1	U	0.91	U	0.88	U	0.89	U	0.88	U	0.94	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	UJ	0.18	U	0.17	U	0.18	UJ	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	UJ	0.18	U	0.17	U	0.18	UJ	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.024	J	0.2	U
2-Chlorophenol	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.21	U	0.21	U	0.21	U	0.22	U	0.2	U	0.2	U	0.23	U	0.21	U	0.21	U	0.26	U	0.23	U	0.22	U	0.22	U	0.04	J	0.24	U
2-Methylphenol	0.33	100	100	500	0.33	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.37	U	0.38	UJ	0.37	UJ	0.39	U	0.36	U	0.37	UJ	0.41	UJ	0.38	UJ	0.38	UJ	0.46	U	0.41	U	0.4	U	0.4	U	0.4	U	0.42	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.25	U	0.25	U	0.25	U	0.26	U	0.24	U	0.25	U	0.27	U	0.25	U	0.25	U	0.31	U	0.27	U	0.26	U	0.27	U	0.26	U	0.28	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.45	UJ	0.46	UJ	0.45	UJ	0.47	UJ	0.44	UJ	0.44	UJ	0.49	UJ	0.46	UJ	0.45	UJ	0.55	U	0.49	U	0.48	U	0.48	U	0.48	U	0.51	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Chloroaniline	NC	NC	NC	NC	NC	0.17	UJ	0.18	U	0.17	U	0.18	UJ	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.24	UJ	0.24	U	0.24	U	0.25	UJ	0.24	U	0.24	U	0.26	U	0.25	U	0.24	U	0.3	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	U
Acenaphthene	20	100	100	500	98	0.14	U	0.14	U	0.14	U	0.02	J	0.13	U	0.14	U	0.15	U	0.14	U	0.14	U	0.16	J	0.15	U	0.15	U	0.15	U	0.15	U	0.16	U
Acenaphthylene	100	100	100	500	107	0.14	U	0.14	U	0.14	U	0.095	J	0.13	U	0.14	U	0.15	U	0.14	U	0.14	U	0.037	J	0.15	U	0.15	U	0.15	U	0.1	J	0.16	U
Acetophenone	NC	NC	NC	NC	NC	0.17	U	0.18	U	0.17	U	0.18	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U	0.21	U	0.19	U	0.18	U	0.18	U	0.18	U	0.2	U
Anthracene	100	100	100	500	1000	0.1	U	0.1	U	0.1	U	0.16	U	0.1	U	0.1	U	0.11	U	0.1	U	0.1	U	0.8	U	0.11	U	0.11	U	0.11	U	0.071	J	0.12	U
Benzo(a)anthracene	1	1	1	5.6	1	0.1	U	0.1	U	0.1	U	0.42																							

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-03 (8-10)		SB-03 (12-14)		SB-03 (14-16)		SB-04 (0-2)		SB-04 (2-4)		SB-04 (4-6)		SB-04 (8-10)		SB-04 (12-14)		SB-04 (14-16)		SB-05/LP-3 (8-10)		SB-05/LP-3 (10-12)		SB-05/LP-3 (12-14)		SB-05/LP-3 (14-16)		SB-06 (0-2)		SB-06 (2-4)		
LAB ID:						L2305942-04		L2305942-05		L2305942-06		L2305942-07		L2305942-08		L2305942-09		L2305942-10		L2305942-11		L2305942-12		L2306379-16 R1		L2306379-17		L2306379-18		L2306379-19		L2305942-25		L2305942-26		
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023		
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q			
CHLORINATED HERBICIDES BY GC																																				
2,4,5-T	NC	NC	NC	NC	NC	0.169	U	0.173	U	0.168	U	0.18	U	0.17	U	0.168	U	0.192	U	0.172	U	0.174	U	0.215	U	0.185	U	0.184	U	0.185	U	0.185	U	0.195	U	
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.169	U	0.173	U	0.168	U	0.18	U	0.17	U	0.168	U	0.192	U	0.172	U	0.174	U	0.215	U	0.185	U	0.184	U	0.185	U	0.185	U	0.195	U	
2,4-D	NC	NC	NC	NC	NC	0.169	UJ	0.173	UJ	0.168	UJ	0.18	UJ	0.17	UJ	0.168	UJ	0.192	UJ	0.172	UJ	0.174	UJ	0.215	U	0.185	U	0.184	U	0.185	U	0.185	U	0.195	UJ	
PESTICIDES																																				
4,4'-DDD	0.0033	2.6	13	92	14	0.00165	U	0.00164	U	0.00158	U	0.000644	NJ	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00722	J+	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
4,4'-DDE	0.0033	1.8	8.9	62	17	0.00165	U	0.00164	U	0.00158	U	0.00182		0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00165	U	0.00164	U	0.00158	U	0.00594		0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00165	U	0.00164	U	0.00158	U	0.00277		0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000688	U	0.000682	U	0.000659	U	0.000736	U	0.000655	U	0.000666	U	0.00076	U	0.000692	U	0.000704	U	0.000857	UJ	0.00073	U	0.000724	U	0.00072	U	0.000721	U	0.00077	U	
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00165	U	0.00164	U	0.00158	U	0.00177	U	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Chlordane	NC	NC	NC	NC	NC	0.0138	U	0.0136	U	0.0132	U	0.0147	U	0.0131	U	0.0133	U	0.0152	U	0.0136	U	0.0141	U	0.0171	U	0.0146	U	0.0145	U	0.0144	U	0.0144	U	0.0154	U	
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00206	U	0.00204	U	0.00198	U	0.00283	J	0.00196	U	0.002	U	0.00228	U	0.00208	U	0.00211	U	0.0101	J+	0.00219	U	0.00217	U	0.00216	U	0.00216	U	0.00231	U	
Delta-BHC	0.04	100	500	500	0.25	0.00165	U	0.00164	U	0.00158	U	0.00177	U	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00103	U	0.00102	U	0.000988	U	0.00724		0.000982	U	0.000999	U	0.00114	U	0.00104	U	0.00106	U	0.00128	UJ	0.0011	U	0.00109	U	0.00108	U	0.00108	U	0.00116	U	
Endosulfan I	2.4	4.8	24	200	102	0.00165	U	0.00164	U	0.00158	U	0.00177	U	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Endosulfan II	2.4	4.8	24	200	102	0.00165	U	0.00164	U	0.00158	U	0.00177	U	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000688	U	0.000682	U	0.000659	U	0.000736	U	0.000655	U	0.000666	U	0.00076	U	0.000692	U	0.000704	U	0.000857	UJ	0.00073	U	0.000724	U	0.00072	U	0.000721	U	0.00077	U	
Endrin	0.014	2.2	11	89	0.06	0.000688	U	0.000682	U	0.000659	U	0.000736	U	0.000655	U	0.000666	U	0.00076	U	0.000692	U	0.000704	U	0.000857	UJ	0.00073	U	0.000724	U	0.00072	U	0.000721	U	0.00077	U	
Endrin aldehyde	NC	NC	NC	NC	NC	0.00206	U	0.00204	U	0.00198	U	0.00221	U	0.00196	U	0.002	U	0.00228	U	0.00208	U	0.00211	U	0.00257	UJ	0.00219	U	0.00217	U	0.00216	U	0.00216	UJ	0.00231	U	
Endrin ketone	NC	NC	NC	NC	NC	0.00165	U	0.00164	U	0.00158	U	0.00177	U	0.00157	U	0.0016	U	0.00182	U	0.00166	U	0.00169	U	0.00206	UJ	0.00175	U	0.00174	U	0.00173	U	0.00173	U	0.00185	U	
Heptachlor	0.042	0.42	2.1	15	0.38	0.000826	U	0.000818	U	0.000791	U	0.000883	U	0.000786	U	0.000799	U	0.000912	U	0.00083	U	0.000845	U	0.00103	UJ	0.000876	U	0.000869	U	0.000864	U	0.000865	U	0.000924	U	
Heptachlor epoxide	NC	NC	NC	NC	NC	0.0031	U	0.00307	U	0.00296	U	0.00331	U	0.00294	U	0.003	U	0.00342	U	0.00311	U	0.00317	U	0.00386	UJ	0.00329	U	0.00326	U	0.00324	U	0.00324	U	0.00347	U	
Lindane	0.1	0.28	1.3	9.2	0.1	0.000688	U	0.000682	U	0.000659	U	0.000736	U	0.000655	U	0.000666	U	0.00076	U	0.000692	U	0.000704	U	0.000857	UJ	0.00073	U	0.000724	U	0.00072	U	0.000721	U	0.00077	U	
Methoxychlor	NC	NC	NC	NC	NC	0.0031	U	0.00307	U	0.00296	U	0.00331	U	0.00294	U	0.003	U	0.00342	U	0.00311	U	0.00317	U	0.00386	UJ	0.00329	U	0.00326	U	0.00324	U	0.00324	U	0.00347	U	
Toxaphene	NC	NC	NC	NC	NC	0.031	U	0.0307	U	0.0296	U	0.0331	U	0.0294	U	0.03	U	0.0342	U	0.0311	U	0.0317	U	0.0386	UJ	0.0329	U	0.0326	U	0.0324	U	0.0324	U	0.0347	U	
trans-Chlordane	NC	NC	NC	NC	NC	0.00206	U	0.00204	U	0.00198	U	0.00194	J	0.00196	U	0.002	U	0.00228	U	0.00208	U	0.00211	U	0.00257	UJ	0.00219	U	0.00217	U	0.00216	U	0.00216	U	0.00231	U	
PCBs																																				
Aroclor 1016	0.1	1	1	1	3.2	0.0334	U	0.035	U	0.033	U	0.0367	U	0.0328	U	0.033	U	0.0387	U	0.0344	U	0.0342	U	0.122	U	0.0367	U	0.0364	U	0.0359	U	0.0366	U	0.0374	U	
Aroclor 1221	0.1	1	1	1	3.2	0.0334	U	0.035	U	0.033	U	0.0367	U	0.0328	U	0.033	U	0.0387	U	0.0344	U	0.0342	U	0.122	U	0.0367	U	0.0364	U	0.0359	U	0.0366	U	0.0374	U	
Aroclor 1232	0.1	1	1	1	3.2	0.0334	U	0.035	U	0.033	U	0.0367	U	0.0328	U	0.033	U	0.0387	U	0.0344	U	0.0342	U	0.122	U	0.0367	U	0.0364	U	0.0359	U	0.0366	U	0.0374	U	
Aroclor 1242	0.1	1	1	1	3.2	0.0334	U	0.035	U	0.033	U	0.0367	U	0.0328	U	0.033	U	0.0387	U	0.0344	U	0.0														

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-06 (4-6)		SB-06 (8-10)		SB-06 (12-14)		SB-06 (14-16)		SB-07/SD-1 (6-8)		SB-07/SD-1 (8-10)		SB-07/SD-1 (10-12)		SB-07/SD-1 (12-14)		SB-07/SD-1 (14-16)		SB-07/SD-1 (14-16) DUPLICATE		SB-08 (0-2)		SB-08 (2-4)		SB-08 (2-4) DUPLICATE		SB-08 (4-6)		SB-08 (8-10)	
LAB ID:						L2305942-27		L2305942-28		L2305942-29		L2305942-30		L2306379-01		L2306379-02		L2306379-03		L2306379-04		L2306379-05		L2306379-32		L2305942-19		L2305942-20		L2305942-33		L2305942-21		L2305942-22	
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	SB-08 (0-2)	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
VOLATILE ORGANICS																																			
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00057	U	0.00057	U	0.00058	U	0.00054	U	0.00087	U	0.00054	U	0.00064	U	0.00059	U	0.00058	U	0.00057	U	0.00054	U	0.00058	U	0.00047	U	0.00056	U	0.00054	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00057	U	0.00057	U	0.00058	U	0.00054	U	0.00087	U	0.00054	U	0.00064	U	0.00059	U	0.00058	U	0.00057	U	0.00054	U	0.00058	U	0.00047	U	0.00056	U	0.00054	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00057	U	0.00057	U	0.00058	U	0.00054	U	0.00087	U	0.00054	U	0.00064	U	0.00059	U	0.00058	U	0.00057	U	0.00054	U	0.00058	U	0.00047	U	0.00056	U	0.00054	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,1-Dichloroethane	0.27	19	26	240	0.27	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,1-Dichloroethene	0.33	100	100	500	0.33	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00057	U	0.00057	U	0.00058	U	0.00054	U	0.00087	U	0.00054	U	0.00064	U	0.00059	U	0.00058	U	0.00057	U	0.00054	U	0.00058	U	0.00047	U	0.00056	U	0.00054	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0034	U	0.0034	U	0.0035	U	0.0032	U	0.0052	U	0.0032	U	0.0038	U	0.0035	U	0.0035	U	0.0034	U	0.0032	U	0.0035	U	0.0028	U	0.0033	U	0.0032	U
1,2-Dibromothane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.0012	U	0.0011	U	0.0017	U	0.0011	U	0.0013	U	0.0012	U	0.0012	U	0.0011	U	0.0011	U	0.0012	U	0.00094	U	0.0011	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00057	U	0.00057	U	0.00058	U	0.00054	U	0.00087	U	0.00054	U	0.00064	U	0.00059	U	0.00058	U	0.00057	U	0.00054	U	0.00058	U	0.00047	U	0.00056	U	0.00054	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.092	U	0.091	U	0.092	U	0.087	U	0.14	U	0.087	U	0.1	U	0.095	U	0.093	U	0.091	U	0.086	U	0.093	U	0.075	U	0.089	U	0.086	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0023	U	0.0023	U	0.0023	U	0.0022	U	0.0035	U	0.0022	U	0.0026	U	0.0024	U	0.0023	U	0.0023	U	0.0021	U	0.0023	U	0.0019	U	0.0022	U	0.0022	U
2-Butanone	0.12	100	100	500	0.12	0.011	U	0.011	U	0.012	U	0.011	U	0.012	U	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.014	U	0.012	U	0.0094	U	0.011	U	0.011	U
2-Hexanone	NC	NC	NC	NC	NC	0.011	U	0.011	U	0.012	U	0.011	U	0.017	U	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.0094	U	0.011	U	0.011	U
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.011	U</																												

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-06 (4-6)		SB-06 (8-10)		SB-06 (12-14)		SB-06 (14-16)		SB-07/SD-1 (6-8)		SB-07/SD-1 (8-10)		SB-07/SD-1 (10-12)		SB-07/SD-1 (12-14)		SB-07/SD-1 (14-16)		SB-07/SD-1 (14-16) DUPLICATE		SB-08 (0-2)		SB-08 (2-4)		SB-08 (2-4) DUPLICATE		SB-08 (4-6)		SB-08 (8-10)			
LAB ID:						L2305942-27		L2305942-28		L2305942-29		L2305942-30		L2306379-01		L2306379-02		L2306379-03		L2306379-04		L2306379-05		L2306379-32		L2305942-19		L2305942-20		L2305942-33		L2305942-21		L2305942-22			
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	SB-08 (0-2)	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
SEMI-VOLATILE ORGANICS																																					
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,4-Dioxane	0.1	9.8	13	130	0.1	0.025	U	0.025	U	0.025	U	0.025	U	0.034	U	0.026	U	0.026	U	0.027	U	0.027	U	0.026	UJ	0.029	U	0.025	U	0.025	U	0.025	U	0.026	U		
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.1	U	0.1	U	0.1	U	0.1	U	0.14	U	0.1	U	0.1	U	0.11	U	0.11	U	0.1	U	0.11	U	0.1	U	0.1	U	0.1	U	0.1	U		
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.15	U	0.15	U	0.15	U	0.15	U	0.2	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.15	U	0.15	U	0.15	U	0.15	U		
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.8	U	0.81	U	0.8	U	0.81	U	1.1	U	0.84	U	0.83	U	0.85	U	0.85	U	0.84	U	0.92	U	0.8	U	0.8	U	0.8	U	0.8	U		
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Chlorophenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.2	U	0.2	U	0.2	U	0.2	U	0.031	J	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.034	J	0.2	U	0.2	U	0.2	U	0.2	U		
2-Methylphenol	0.33	100	100	500	0.33	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	UJ	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
2-Nitrophenol	NC	NC	NC	NC	NC	0.36	U	0.36	U	0.36	U	0.36	U	0.49	U	0.38	U	0.37	U	0.38	U	0.38	U	0.38	UJ	0.41	UJ	0.36	UJ	0.36	U	0.36	U	0.37	U		
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.24	U	0.24	U	0.24	U	0.24	U	0.32	U	0.25	U	0.25	U	0.26	U	0.26	U	0.25	U	0.28	U	0.24	U	0.24	U	0.24	U	0.24	U		
3-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.43	U	0.44	U	0.43	U	0.44	U	0.58	U	0.46	U	0.45	U	0.46	U	0.46	U	0.46	UJ	0.5	UJ	0.43	UJ	0.43	U	0.44	U	0.44	U		
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Chloroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	UJ	0.19	UJ	0.17	U	0.17	U	0.17	U	0.17	U		
4-Nitrophenol	NC	NC	NC	NC	NC	0.23	U	0.24	U	0.23	U	0.24	U	0.32	U	0.24	U	0.24	U	0.25	U	0.25	U	0.24	U	0.27	U	0.23	U	0.23	U	0.23	U	0.24	U		
Acenaphthene	20	100	100	500	98	0.13	U	0.14	U	0.13	U	0.14	U	0.068	J	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.15	U	0.13	U	0.13	U	0.13	U	0.14	U		
Acenaphthylene	100	100	100	500	107	0.13	U	0.14	U	0.13	U	0.14	U	0.052	J	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.04	J	0.13	U	0.13	U	0.13	U	0.14	U		
Acetophenone	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.17	U	0.17	U	0.22	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.19	U	0.17	U	0.17	U	0.17	U	0.17	U		
Anthracene	100	100	100	500	1000	0.1	U	0.1	U	0.1	U	0.1	U	0.2		0.1	U	0.1	U	0.11	U	0.11	U	0.1	U	0.038	J	0.1	U	0.1	U	0.1	U	0.1	U		
Benzo(a)anthracene	1	1	1	5.6	1	0.1	U	0.1	U	0.1	U	0.1	U	1.2		0.1	U	0.1	U	0.11	U	0.11	U	0.1	U	0.2	J-	0.1	U	0.1	U	0.1	U	0.1	U		
Benzo(a)pyrene	1	1	1	1	22	0.13	U	0.14	U	0.13																											

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-06 (4-6)		SB-06 (8-10)		SB-06 (12-14)		SB-06 (14-16)		SB-07/SD-1 (6-8)		SB-07/SD-1 (8-10)		SB-07/SD-1 (10-12)		SB-07/SD-1 (12-14)		SB-07/SD-1 (14-16)		DUPLICATE		SB-08 (0-2)		SB-08 (2-4)		SB-08 (2-4) DUPLICATE		SB-08 (4-6)		SB-08 (8-10)			
LAB ID:						L2305942-27		L2305942-28		L2305942-29		L2305942-30		L2306379-01		L2306379-02		L2306379-03		L2306379-04		L2306379-05		L2306379-32		L2305942-19		L2305942-20		L2305942-33		L2305942-21		L2305942-22			
COLLECTION DATE:						2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023		2/2/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	SB-08 (0-2)	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
CHLORINATED HERBICIDES BY GC																																					
2,4,5-T	NC	NC	NC	NC	NC	0.167	U	0.169	U	0.17	U	0.169	U	0.227	U	0.173	U	0.174	U	0.179	U	0.176	U	0.176	U	0.19	U	0.167	U	0.168	U	0.168	U	0.172	U		
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.167	U	0.169	U	0.17	U	0.169	U	0.227	U	0.173	U	0.174	U	0.179	U	0.176	U	0.176	U	0.19	U	0.167	U	0.168	U	0.168	U	0.172	U		
2,4-D	NC	NC	NC	NC	NC	0.167	U	0.169	U	0.17	U	0.169	U	0.227	UJ	0.173	UJ	0.174	UJ	0.179	UJ	0.176	U	0.176	U	0.19	UJ	0.167	U	0.168	U	0.168	U	0.172	U		
PESTICIDES																																					
4,4'-DDD	0.0033	2.6	13	92	14	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.149	J+	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
4,4'-DDE	0.0033	1.8	8.9	62	17	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.071	J+	0.000584	J	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.0647	J+	0.0017	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000659	U	0.000649	U	0.000676	U	0.000662	U	0.000885	U	0.000679	U	0.000663	U	0.0007	U	0.000683	U	0.000689	U	0.000737	U	0.000678	U	0.000666	U	0.000657	U	0.000667	U		
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Chlordane	NC	NC	NC	NC	NC	0.0132	U	0.013	U	0.0135	U	0.0132	U	0.383	J+	0.0136	U	0.0133	U	0.014	U	0.0137	U	0.0138	U	0.0147	U	0.0136	U	0.0133	U	0.0131	U	0.0133	U		
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00198	U	0.00195	U	0.00203	U	0.00199	U	0.0518	U	0.000578	J	0.00199	U	0.0021	U	0.00205	U	0.00207	U	0.00221	U	0.00203	U	0.002	U	0.00197	U	0.002	U		
Delta-BHC	0.04	100	100	500	0.25	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.000988	U	0.000973	U	0.00101	U	0.000994	U	0.00133	U	0.00102	J	0.000995	U	0.00105	U	0.00102	U	0.00103	U	0.0011	U	0.00102	U	0.000998	U	0.000985	U	0.001	U		
Endosulfan I	2.4	4.8	24	200	102	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Endosulfan II	2.4	4.8	24	200	102	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000659	U	0.000649	U	0.000676	U	0.000662	U	0.000885	U	0.000679	U	0.000663	U	0.0007	U	0.000683	U	0.000689	U	0.000737	U	0.000678	U	0.000666	U	0.000657	U	0.000667	U		
Endrin	0.014	2.2	11	89	0.06	0.000659	U	0.000649	U	0.000676	U	0.000662	U	0.000885	U	0.000679	U	0.000663	U	0.0007	U	0.000683	U	0.000689	U	0.000737	U	0.000678	U	0.000666	U	0.000657	U	0.000667	U		
Endrin aldehyde	NC	NC	NC	NC	NC	0.00198	UJ	0.00195	UJ	0.00203	UJ	0.00199	UJ	0.00266	U	0.00204	U	0.00199	U	0.0021	U	0.00205	U	0.00207	U	0.00221	U	0.00203	U	0.002	UJ	0.00197	UJ	0.002	UJ		
Endrin ketone	NC	NC	NC	NC	NC	0.00158	U	0.00156	U	0.00162	U	0.00159	U	0.00212	U	0.00163	U	0.00159	U	0.00168	U	0.00164	U	0.00165	U	0.00177	U	0.00163	U	0.0016	U	0.00158	U	0.0016	U		
Heptachlor	0.042	0.42	2.1	15	0.38	0.00079	U	0.000778	U	0.000811	U	0.000795	U	0.00106	U	0.000814	U	0.000796	U	0.00084	U	0.00082	U	0.000827	U	0.000884	U	0.000814	U	0.000799	U	0.000788	U	0.000801	U		
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00296	U	0.00292	U	0.00304	U	0.00298	U	0.00398	U	0.00305	U	0.00298	U	0.00315	U	0.00307	U	0.00301	U	0.00332	U	0.00305	U	0.00299	U	0.00296	U	0.003	U		
Lindane	0.1	0.28	1.3	9.2	0.1	0.000659	U	0.000649	U	0.000676	U	0.000662	U	0.000885	U	0.000679	U	0.000663	U	0.0007	U	0.000683	U	0.000689	U	0.000737	U	0.000678	U	0.000666	U	0.000657	U	0.000667	U		
Methoxychlor	NC	NC	NC	NC	NC	0.00296	U	0.00292	U	0.00304	U	0.00298	U	0.00398	U	0.00305	U	0.00298	U	0.00315	U	0.00307	U	0.00301	U	0.00332	U	0.00305	U	0.00299	U	0.00296	U	0.003	U		
Toxaphene	NC	NC	NC	NC	NC	0.0296	U	0.0292	U	0.0304	U	0.0298	U	0.0398	U	0.0305	U	0.0298	U	0.0315	U	0.0307	U	0.031	U	0.0332	U	0.0305	U	0.0299	U	0.0296	U	0.03	U		
trans-Chlordane	NC	NC	NC	NC	NC	0.00198	U	0.00195	U	0.00203	U	0.00199	U	0.0772	J+	0.00204	U	0.00199	U	0.0021	U	0.00205	U	0.00207	U	0.00221	U	0.00203	U	0.002	U	0.00197	U	0.002	U		
PCBs																																					
Aroclor 1016	0.1	1	1	1	3.2	0.0332	U	0.033	U	0.0327	U	0.0341	U	0.122	U	0.034	U	0.0342	U	0.0351	U	0.0352	U	0.0343	U	0.0361	U	0.0332	U	0.0334	U	0.0332	U	0.0334	U		
Aroclor 1221	0.1	1	1	1	3.2	0.0332	U	0.033	U	0.0327	U	0.0341	U	0.122	U	0.034	U	0.0342	U	0.0351	U	0.0352	U	0.0343	U	0.0361	U	0.0332	U	0.0334	U	0.0332	U	0.0334	U		
Aroclor 1232	0.1	1	1	1	3.2	0.0332	U	0.033	U	0.0327	U	0.0341	U	0.122	U	0.034	U	0.0342	U	0.0351	U	0.0352	U	0.0343	U	0.0361	U	0.0332	U	0.0334	U	0.0332	U	0.0334	U		
Aroclor 1242	0.1	1	1	1	3.2	0.0332	U	0.033	U	0.0327	U	0.0341	U	0.122	U	0.034	U																				

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-08 (12-14)		SB-08 (14-16)		SB-09 (0-2)		SB-09 (2-4)		SB-09 (4-6)		SB-09 (8-10)		SB-09 (12-14)		SB-09 (14-16)		SB-10/LP-1 (8-10)		SB-10/LP-1 (10-12)		SB-10/LP-1 (12-14)		SB-10/LP-1 (14-16)		SB-11 (0-2)		SB-11 (2-4)		SB-11 (4-6)	
LAB ID:						L2305942-23		L2305942-24		L2304560-10		L2304560-11		L2304560-12		L2304560-13		L2304560-14		L2304560-15		L2306379-20		L2306379-21		L2306379-22		L2306379-23		L2304560-01		L2304560-02		L2304560-03	
COLLECTION DATE:						2/2/2023		2/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		1/26/2023		1/26/2023		1/26/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
VOLATILE ORGANICS																																			
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00054	U	0.00061	U	0.00037	UJ	0.00033	U	0.00026	U	0.00026	U	0.00041	U	0.00028	U	0.00054	U	0.00054	U	0.00056	U	0.00059	U	0.00038	U	0.00025	U	0.00028	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00054	U	0.00061	U	0.00037	UJ	0.00033	U	0.00026	U	0.00026	U	0.00041	U	0.00028	U	0.00054	U	0.00054	U	0.00056	U	0.00059	U	0.00038	U	0.00025	U	0.00028	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00054	U	0.00061	U	0.00037	UJ	0.00033	U	0.00026	U	0.00026	U	0.00041	U	0.00028	U	0.00054	U	0.00054	U	0.00056	U	0.00059	U	0.00038	U	0.00025	U	0.00028	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,1-Dichloroethane	0.27	19	26	240	0.27	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,1-Dichloroethene	0.33	100	100	500	0.33	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00054	U	0.00061	U	0.00037	U	0.00033	U	0.00026	U	0.00026	U	0.00041	U	0.00028	U	0.00054	U	0.00054	U	0.00056	U	0.00059	U	0.00038	U	0.00025	U	0.00028	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	U	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0016	J	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0016	J	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0033	U	0.0037	U	0.0022	UJ	0.002	U	0.0016	U	0.0015	U	0.0025	U	0.0016	U	0.0032	U	0.0032	U	0.0033	U	0.0035	U	0.0023	U	0.0015	U	0.0017	U
1,2-Dibromomethane	NC	NC	NC	NC	NC	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.0011	U	0.0012	U	0.00073	U	0.00067	U	0.00053	U	0.00052	U	0.00083	U	0.00055	U	0.0011	U	0.0011	U	0.0011	U	0.0012	U	0.00076	U	0.00051	U	0.00055	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0004	J	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	U	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00054	U	0.00061	U	0.00037	UJ	0.00033	U	0.00026	U	0.00026	U	0.00041	U	0.00028	U	0.00054	U	0.00054	U	0.00056	U	0.00059	U	0.00038	U	0.00025	U	0.00028	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0022	U	0.0024	U	0.0015	UJ	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.087	U	0.098	U	0.059	U	0.054	U	0.042	U	0.041	U	0.066	U	0.044	U	0.086	U	0.086	U	0.089	U	0.095	U	0.061	U	0.041	U	0.044	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0024	U	0.0015	U	0.0013	U	0.0011	U	0.001	U	0.0016	U	0.0011	U	0.0021	U	0.0022	U	0.0022	U	0.0024	U	0.0015	U	0.001	U	0.0011	U
2-Butanone	0.12	100	100	500	0.12	0.011	U	0.012	U	0.0073	U	0.0067	U	0.0053	U	0.0052	U	0.0083	U	0.0055	U	0.012	U	0.011	U	0.011	U	0.012	U	0.0076	U	0.0051	U	0.0055	U
2-Hexanone	NC	NC	NC	NC	NC	0.011	U	0.012	U	0.0073	UJ	0.0067	U	0.0053	U	0.0052	U	0.0083	U	0.0055	U	0.011	U	0.011	U	0.011	U	0.012	U	0.0076	U	0.0051</			

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-08 (12-14)		SB-08 (14-16)		SB-09 (0-2)		SB-09 (2-4)		SB-09 (4-6)		SB-09 (8-10)		SB-09 (12-14)		SB-09 (14-16)		SB-10/LP-1 (8-10)		SB-10/LP-1 (10-12)		SB-10/LP-1 (12-14)		SB-10/LP-1 (14-16)		SB-11 (0-2)		SB-11 (2-4)		SB-11 (4-6)	
LAB ID:						L2305942-23		L2305942-24		L2304560-10		L2304560-11		L2304560-12		L2304560-13		L2304560-14		L2304560-15		L2306379-20		L2306379-21		L2306379-22		L2306379-23		L2304560-01		L2304560-02		L2304560-03	
COLLECTION DATE:						2/2/2023		2/2/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		1/26/2023		1/26/2023		1/26/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
SEMI-VOLATILE ORGANICS																																			
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.025	U	0.025	U	0.081	UJ	0.025	UJ	0.026	UJ	0.026	UJ	0.026	UJ	0.026	UJ	0.15	U	0.026	UJ	0.026	U	0.025	UJ	0.08	UJ	0.077	UJ	0.026	UJ
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.1	U	0.1	U	0.32	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.59	U	0.1	U	0.1	U	0.1	U	0.32	U	0.31	U	0.1	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.15	U	0.15	U	0.49	U	0.15	U	0.16	U	0.16	U	0.15	U	0.15	U	0.88	U	0.15	U	0.16	U	0.15	U	0.48	U	0.46	U	0.15	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.81	U	0.8	U	2.6	U	0.81	U	0.83	U	0.83	U	0.82	U	0.82	U	4.7	U	0.82	UJ	0.84	UJ	0.82	UJ	2.6	U	2.5	U	0.82	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2-Chlorophenol	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.2	U	0.2	U	0.65	U	0.2	U	0.21	U	0.21	U	0.2	U	0.2	U	1.2	U	0.21	U	0.21	U	0.2	U	0.084	J	0.62	U	0.21	U
2-Methylphenol	0.33	100	100	500	0.33	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	UJ	0.17	UJ	0.17	UJ	0.54	U	0.51	U	0.17	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.36	U	0.36	U	1.2	U	0.36	U	0.37	U	0.37	U	0.37	U	0.37	U	2.1	U	0.37	UJ	0.38	UJ	0.37	UJ	1.2	U	1.1	U	0.37	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.24	U	0.24	U	0.78	U	0.24	U	0.25	U	0.25	U	0.24	U	0.24	U	1.4	U	0.25	U	0.25	U	0.24	U	0.77	U	0.74	U	0.25	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.44	U	0.43	U	1.4	U	0.44	U	0.45	U	0.45	U	0.44	U	0.44	U	2.6	U	0.45	UJ	0.45	UJ	0.44	UJ	1.4	U	1.3	U	0.45	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
4-Chloroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
4-Nitroaniline	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.24	U	0.23	U	0.76	UJ	0.24	UJ	0.24	UJ	0.24	UJ	0.24	UJ	0.24	UJ	1.4	U	0.24	U	0.24	U	0.24	U	0.75	UJ	0.72	UJ	0.24	UJ
Acenaphthene	20	100	100	500	98	0.14	U	0.13	U	0.43	U	0.13	U	0.14	U	0.14	U	0.14	U	0.14	U	0.23	J	0.14	U	0.14	U	0.14	U	0.43	U	0.41	U	0.14	U
Acenaphthylene	100	100	100	500	107	0.14	U	0.13	U	0.086	J	0.13	U	0.14	U	0.14	U	0.14	U	0.14	U	0.79	U	0.14	U	0.14	U	0.14	U	0.2	J	0.41	U	0.14	U
Acetophenone	NC	NC	NC	NC	NC	0.17	U	0.17	U	0.54	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.98	U	0.17	U	0.17	U	0.17	U	0.54	U	0.51	U	0.17	U
Anthracene	100	100	100	500	1000	0.1	U	0.1	U	0.32	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.98	U	0.1	U	0.1	U	0.1	U	0.27	J	0.31	U	0.1	U

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-08 (12-14)		SB-08 (14-16)		SB-09 (0-2)		SB-09 (2-4)		SB-09 (4-6)		SB-09 (8-10)		SB-09 (12-14)		SB-09 (14-16)		SB-10/LP-1 (8-10)		SB-10/LP-1 (10-12)		SB-10/LP-1 (12-14)		SB-10/LP-1 (14-16)		SB-11 (0-2)		SB-11 (2-4)		SB-11 (4-6)	
LAB ID:						L2305942-23		L2305942-24		L2304560-10		L2304560-11		L2304560-12		L2304560-13		L2304560-14		L2304560-15		L2306379-20		L2306379-21		L2306379-22		L2306379-23		L2304560-01		L2304560-02		L2304560-03	
COLLECTION DATE:						2/2/2023		2/2/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/26/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		1/26/2023		1/26/2023		1/26/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
CHLORINATED HERBICIDES BY GC																																			
2,4,5-T	NC	NC	NC	NC	NC	0.166	U	0.167	U	0.189	U	0.168	U	0.173	U	0.172	U	0.168	U	0.169	U	0.197	UJ	0.172	UJ	0.176	UJ	0.168	UJ	0.184	U	0.17	U	0.174	U
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.166	U	0.167	U	0.189	U	0.168	U	0.173	U	0.172	U	0.168	U	0.169	U	0.197	U	0.172	U	0.176	U	0.168	U	0.184	U	0.17	U	0.174	U
2,4-D	NC	NC	NC	NC	NC	0.166	U	0.167	U	0.189	U	0.168	U	0.173	U	0.172	U	0.168	U	0.169	U	0.197	U	0.172	U	0.176	U	0.168	U	0.184	U	0.17	U	0.174	U
PESTICIDES																																			
4,4-DDD	0.0033	2.6	13	92	14	0.00158	U	0.00158	U	0.00177	U	0.00159	UJ	0.00161	U	0.00166	UJ	0.0016	UJ	0.00158	UJ	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	UJ	0.00167	U
4,4-DDE	0.0033	1.8	8.9	62	17	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00414	J	0.00425	U	0.00167	U
4,4-DDT	0.0033	1.7	7.9	47	136	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00091	J	0.00425	U	0.00167	U
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000661	U	0.000659	U	0.000736	U	0.000664	U	0.00067	U	0.000692	U	0.000669	U	0.000657	U	0.000743	U	0.00067	U	0.000696	U	0.00066	U	0.000747	U	0.00177	U	0.000695	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Chlordane	NC	NC	NC	NC	NC	0.0132	U	0.0132	U	0.0147	U	0.0133	U	0.0134	U	0.0138	U	0.0134	U	0.0131	U	0.0148	U	0.0134	U	0.0139	U	0.0132	U	0.0268		0.0354	U	0.0139	U
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00198	U	0.00198	U	0.00221	U	0.00199	U	0.00201	U	0.00208	U	0.00201	U	0.00197	U	0.00223	U	0.00201	U	0.00209	U	0.00198	U	0.00432	J	0.00531	U	0.00208	U
Delta-BHC	0.04	100	100	500	0.25	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.000991	U	0.000988	U	0.0011	U	0.000995	U	0.001	U	0.00104	U	0.001	U	0.000985	U	0.00111	U	0.001	U	0.00104	U	0.000989	U	0.00112	U	0.00266	U	0.00104	U
Endosulfan I	2.4	4.8	24	200	102	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Endosulfan II	2.4	4.8	24	200	102	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000661	U	0.000659	U	0.000736	U	0.000664	U	0.00067	U	0.000692	U	0.000669	U	0.000657	U	0.000743	U	0.00067	U	0.000696	U	0.00066	U	0.000747	U	0.00177	U	0.000695	U
Endrin	0.014	2.2	11	89	0.06	0.000661	U	0.000659	U	0.000736	U	0.000664	U	0.00067	U	0.000692	U	0.000669	U	0.000657	U	0.000743	U	0.00067	U	0.000696	U	0.00066	U	0.000747	U	0.00177	U	0.000695	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00198	UJ	0.00198	UJ	0.00221	UJ	0.00199	U	0.00201	UJ	0.00208	U	0.00201	U	0.00197	U	0.00223	U	0.00201	U	0.00209	U	0.00198	U	0.00224	UJ	0.00531	U	0.00208	UJ
Endrin ketone	NC	NC	NC	NC	NC	0.00158	U	0.00158	U	0.00177	U	0.00159	U	0.00161	U	0.00166	U	0.0016	U	0.00158	U	0.00178	U	0.00161	U	0.00167	U	0.00158	U	0.00179	U	0.00425	U	0.00167	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000793	U	0.00079	U	0.000883	U	0.000796	U	0.000805	U	0.00083	U	0.000803	U	0.000788	U	0.000891	U	0.000803	U	0.000836	U	0.000792	U	0.000897	U	0.00212	U	0.000834	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00297	U	0.00296	U	0.00331	U	0.00298	U	0.00302	U	0.00311	U	0.00301	U	0.00295	U	0.00334	U	0.00301	U	0.00313	U	0.00297	U	0.00336	U	0.00797	U	0.00312	U
Lindane	0.1	0.28	1.3	9.2	0.1	0.000661	U	0.000659	U	0.000736	U	0.000664	U	0.00067	U	0.000692	U	0.000669	U	0.000657	U	0.000743	U	0.00067	U	0.000696	U	0.00066	U	0.000747	U	0.00177	U	0.000695	U
Methoxychlor	NC	NC	NC	NC	NC	0.00297	U	0.00296	U	0.00331	U	0.00298	UJ	0.00302	U	0.00311	UJ	0.00301	UJ	0.00295	UJ	0.00334	U	0.00301	U	0.00313	U	0.00297	U	0.00336	U	0.00797	UJ	0.00312	U
Toxaphene	NC	NC	NC	NC	NC	0.0297	U	0.0296	U	0.0331	U	0.0298	U	0.0302	U	0.0311	U	0.0301	U	0.0295	U	0.0334	U	0.0301	U	0.0313	U	0.0297	U	0.0336	U	0.0797	U	0.0312	U
trans-Chlordane	NC	NC	NC	NC	NC	0.00198	U	0.00198	U	0.00221	U	0.00199	U	0.00201	U	0.00208	U	0.00201	U	0.00197	U	0.00223	U	0.00201	U	0.00209	U	0.00198	U	0.00621		0.00531	U	0.00208	U
PCBs																																			
Aroclor 1016	0.1	1	1	1	3.2	0.0325	U	0.0339	U	0.037	U	0.0333	U	0.0346	U	0.0335	U	0.0334	U	0.0324	U	0.0386	U	0.0335	U	0.0351	U	0.0329	U	0.0369	U	0.0895	U	0.0334	U
Aroclor 1221	0.1	1	1	1	3.2	0.0325	U	0.0339	U	0.037	U	0.0333	U	0.0346	U	0.0335	U	0.0334	U	0.0324	U	0.0386	U	0.0335	U	0.0351	U	0.0329	U	0.0369	U	0.0895	U	0.0334	U
Aroclor 1232	0.1	1	1	1	3.2	0.0325	U	0.0339	U	0.037	U	0.0333	U	0.0346	U	0.0335	U	0.0334	U	0.0324	U	0.0386	U	0.0335	U	0.0351	U	0.0329	U	0.0369	U	0.0895	U	0.0334	U
Aroclor 1242	0.1	1	1	1	3.2	0.0325	U	0.0339																											

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-11 (8-10)		SB-11 (12-14)		SB-11 (14-16)		SB-11 (14-16) DUP		SB-12 (0-2)		SB-12 (2-4)		SB-12 (4-6)		SB-12 (8-10)		SB-12 (12-14)		SB-12 (12-14) DUP		SB-12 (14-16)		SB-13 (0-2)		SB-13 (2-4)		SB-13 (4-6)		SB-13 (8-10)	
LAB ID:						L2304560-04		L2304560-05		L2304560-06		L2304560-08		L2304756-07		L2304756-08		L2304756-09		L2304756-11		L2304756-12		L2304756-15		L2304756-13		L2306379-10		L2306379-11		L2306379-12		L2306379-13	
COLLECTION DATE:						1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
VOLATILE ORGANICS																																			
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00026	U	0.00034	U	0.00029	U	0.00031	U	0.00028	U	0.00037	U	0.0004	U	0.00025	U	0.00036	U	0.00056	U	0.00026	U	0.0006	U	0.00051	UJ	0.00063	U	0.00058	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00026	U	0.00034	U	0.00029	U	0.00031	U	0.00028	U	0.00037	U	0.0004	U	0.00025	U	0.00036	U	0.00056	U	0.00026	U	0.0006	U	0.00051	U	0.00063	U	0.00058	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00026	U	0.00034	U	0.00029	U	0.00031	U	0.00028	U	0.00037	U	0.0004	U	0.00025	U	0.00036	U	0.00056	U	0.00026	U	0.0006	U	0.00051	UJ	0.00063	U	0.00058	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	UJ	0.0012	U	0.0012	U
1,1-Dichloroethane	0.27	19	26	240	0.27	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	U	0.0012	U	0.0012	U
1,1-Dichloroethene	0.33	100	100	500	0.33	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	U	0.0012	U	0.0012	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00026	U	0.00034	U	0.00029	U	0.00031	U	0.00028	U	0.00037	U	0.0004	U	0.00025	U	0.00036	U	0.00056	U	0.00026	U	0.0006	U	0.00051	U	0.00063	U	0.00058	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	UJ	0.0025	U	0.0023	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	UJ	0.002	UJ	0.0025	U	0.0023	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	UJ	0.0025	U	0.0023	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	UJ	0.0025	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	UJ	0.0025	U	0.0023	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0016	U	0.0021	U	0.0017	U	0.0019	U	0.0017	U	0.0022	U	0.0024	U	0.0015	U	0.0022	UJ	0.0034	U	0.0016	U	0.0036	U	0.0031	UJ	0.0038	U	0.0035	U
1,2-Dibromomethane	NC	NC	NC	NC	NC	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	UJ	0.0012	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	UJ	0.002	UJ	0.0025	U	0.0023	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	U	0.0012	U	0.0012	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	U	0.0012	U	0.0012	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.00052	U	0.00069	U	0.00058	U	0.00063	U	0.00056	U	0.00074	U	0.0008	U	0.0005	U	0.00072	U	0.0011	U	0.00052	U	0.0012	U	0.001	U	0.0012	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	UJ	0.0025	U	0.0023	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	UJ	0.002	UJ	0.0025	U	0.0023	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	U	0.0025	U	0.0023	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00026	U	0.00034	U	0.00029	U	0.00031	U	0.00028	U	0.00037	U	0.0004	U	0.00025	U	0.00036	U	0.00056	U	0.00026	U	0.0006	U	0.00051	U	0.00063	U	0.00058	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	UJ	0.002	UJ	0.0025	U	0.0023	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.042	U	0.055	U	0.046	U	0.05	U	0.045	U	0.059	U	0.064	U	0.04	U	0.058	UJ	0.09	U	0.042	U	0.096	U	0.082	U	0.1	U	0.093	U
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.001	U	0.0014	U	0.0012	U	0.0012	U	0.0011	U	0.0015	U	0.0016	U	0.00099	U	0.0014	U	0.0022	U	0.001	U	0.0024	U	0.002	U	0.0025	U	0.0023	U
2-Butanone	0.12	100	100	500	0.12	0.0052	U	0.0069	U	0.0058	U	0.0063	U	0.0056	U	0.0074	U	0.008	U	0.005	U	0.0072	U	0.011	U	0.0052	U	0.012	U	0.01	U	0.012	U	0.012	U
2-Hexanone	NC	NC	NC	NC	NC	0.0052	U	0.0069	U	0.0058	U	0.0063	U	0.0056	U	0.0074	U	0.008	U	0.005	U	0.0072	U	0.011	U	0.0052	U	0.012	U	0.01	U	0.012	U	0.012	U
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.0052	U	0.0069	U	0.0058	U	0.0063	U	0.0056	U	0.0074	U	0.008	U	0.005	U														

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-11 (8-10)		SB-11 (12-14)		SB-11 (14-16)		SB-11 (14-16) DUP		SB-12 (0-2)		SB-12 (2-4)		SB-12 (4-6)		SB-12 (8-10)		SB-12 (12-14)		SB-12 (12-14) DUP		SB-12 (14-16)		SB-13 (0-2)		SB-13 (2-4)		SB-13 (4-6)		SB-13 (8-10)			
LAB ID:						L2304560-04		L2304560-05		L2304560-06		L2304560-08		L2304756-07		L2304756-08		L2304756-09		L2304756-10		L2304756-11		L2304756-12		L2304756-15		L2304756-13		L2306379-10		L2306379-11		L2306379-12		L2306379-13	
COLLECTION DATE:						1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
SEMI-VOLATILE ORGANICS																																					
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	UJ	0.17	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
1,4-Dioxane	0.1	9.8	13	130	0.1	0.079	UJ	0.032	UJ	0.076	UJ	0.025	UJ	0.026	UJ	0.025	UJ	0.025	UJ	0.025	UJ	0.026	UJ	0.025	UJ	0.031	U	0.025	UJ	0.025	U	0.025	U	0.025	U		
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.32	U	0.13	U	0.3	U	0.1	U	0.1	UJ	0.1	UJ	0.099	UJ	0.1	UJ	0.1	UJ	0.1	UJ	0.12	U	0.1	U	0.1	U	0.1	U	0.1	U		
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.47	U	0.19	U	0.46	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U	0.19	U	0.15	U	0.15	U	0.15	U	0.15	U		
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2,4-Dinitrophenol	NC	NC	NC	NC	NC	2.5	U	1	U	2.4	U	0.81	U	0.82	U	0.82	U	0.8	U	0.8	U	0.82	U	0.8	U	0.99	U	0.81	U	0.82	U	0.82	U	0.81	U		
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Chlorophenol	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.63	U	0.26	U	0.61	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.033	J	0.2	U	0.2	U	0.2	U	0.2	U		
2-Methylphenol	0.33	100	100	500	0.33	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Nitroaniline	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	UJ	0.17	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
2-Nitrophenol	NC	NC	NC	NC	NC	1.1	U	0.46	U	1.1	U	0.36	U	0.37	U	0.37	U	0.36	U	0.36	U	0.37	U	0.36	U	0.45	U	0.36	U	0.37	U	0.37	U	0.36	U		
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.76	U	0.31	U	0.73	U	0.24	U	0.24	U	0.25	U	0.24	U	0.24	U	0.25	U	0.24	U	0.3	U	0.24	U	0.24	U	0.24	U	0.24	U		
3-Nitroaniline	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	1.4	U	0.56	U	1.3	U	0.44	U	0.44	U	0.44	U	0.43	U	0.44	U	0.44	U	0.43	U	0.54	U	0.44	U	0.44	U	0.44	U	0.44	U		
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Chloroaniline	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.032	UJ	0.17	UJ	0.16	UJ	0.17	UJ	0.17	UJ	0.17	UJ	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Nitroaniline	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
4-Nitrophenol	NC	NC	NC	NC	NC	0.74	UJ	0.3	UJ	0.71	UJ	0.24	UJ	0.24	U	0.24	U	0.23	U	0.23	U	0.24	U	0.23	U	0.29	U	0.24	U	0.24	U	0.24	U	0.24	U		
Acenaphthene	20	100	100	500	98	0.42	U	0.17	U	0.41	U	0.14	U	0.14	UJ	0.14	UJ	0.13	UJ	0.13	UJ	0.14	UJ	0.13	UJ	0.16	U	0.13	U	0.14	U	0.14	U	0.14	U		
Acenaphthylene	100	100	100	500	107	0.42	U	0.17	U	0.41	U	0.14	U	0.14	U	0.14	U	0.13	U	0.13	U	0.14	U	0.13	U	0.16	U	0.13	U	0.14	U	0.14	U	0.14	U		
Acetophenone	NC	NC	NC	NC	NC	0.53	U	0.21	U	0.51	U	0.17	U	0.17	U	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U	0.21	U	0.17	U	0.17	U	0.17	U	0.17	U		
Anthracene	100	100	100	500	1000	0.32	U	0.13	U	0.3	U	0.1	U																								

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-11 (8-10)		SB-11 (12-14)		SB-11 (14-16)		SB-11 (14-16) DUP		SB-12 (0-2)		SB-12 (2-4)		SB-12 (4-6)		SB-12 (8-10)		SB-12 (12-14)		SB-12 (12-14) DUP		SB-12 (14-16)		SB-13 (0-2)		SB-13 (2-4)		SB-13 (4-6)		SB-13 (8-10)	
LAB ID:						L2304560-04		L2304560-05		L2304560-06		L2304560-08		L2304756-07		L2304756-08		L2304756-09		L2304756-11		L2304756-12		L2304756-15		L2304756-13		L2306379-10		L2306379-11		L2306379-12		L2306379-13	
COLLECTION DATE:						1/26/2023		1/26/2023		1/26/2023		1/26/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		1/27/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
CHLORINATED HERBICIDES BY GC																																			
2,4,5-T	NC	NC	NC	NC	NC	0.19	U	0.214	U	0.172	U	0.17	U	0.168	U	0.17	U	0.167	U	0.168	U	0.172	U	0.169	U	0.169	U	0.205	U	0.17	U	0.17	U	0.17	U
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.19	U	0.214	U	0.172	U	0.17	U	0.168	U	0.17	U	0.167	U	0.168	U	0.172	U	0.169	U	0.169	U	0.205	U	0.17	U	0.17	U	0.17	U
2,4-D	NC	NC	NC	NC	NC	0.19	U	0.214	U	0.172	U	0.17	U	0.168	U	0.17	U	0.167	U	0.168	U	0.172	U	0.169	U	0.169	U	0.205	U	0.17	U	0.17	U	0.17	U
PESTICIDES																																			
4,4'-DDD	0.0033	2.6	13	92	14	0.0018	UJ	0.00204	UJ	0.0016	UJ	0.0016	UJ	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00291		0.00159	U	0.00159	U	0.00157	U
4,4'-DDE	0.0033	1.8	8.9	62	17	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00157		0.00159	U	0.00159	U	0.00157	U
4,4'-DDT	0.0033	1.7	7.9	47	136	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00157		0.00159	U	0.00159	U	0.00157	U
Aldrin	0.005	0.019	0.097	0.68	0.19	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000752	U	0.000852	U	0.000668	U	0.000668	U	0.000674	U	0.000669	UJ	0.000659	U	0.000656	U	0.000666	U	0.000659	U	0.000656	U	0.000618	U	0.000663	U	0.000661	U	0.000654	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Chlordane	NC	NC	NC	NC	NC	0.015	U	0.017	U	0.0134	U	0.0134	U	0.0135	U	0.0134	UJ	0.0132	U	0.0131	U	0.0139	U	0.0133	U	0.0131	U	0.146	UJ	0.0133	U	0.0132	U	0.0131	U
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00225	U	0.00256	U	0.002	U	0.002	U	0.00202	U	0.00201	UJ	0.00198	U	0.00197	U	0.00208	U	0.00199	U	0.00197	U	0.0037	P	0.00199	U	0.00198	U	0.00196	U
Delta-BHC	0.04	100	100	500	0.25	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00113	U	0.00128	U	0.001	U	0.001	U	0.00101	U	0.001	UJ	0.000988	U	0.000984	U	0.00104	U	0.000996	U	0.000984	U	0.00444		0.000995	U	0.000992	U	0.000982	U
Endosulfan I	2.4	4.8	24	200	102	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Endosulfan II	2.4	4.8	24	200	102	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000752	U	0.000852	U	0.000668	U	0.000668	U	0.000674	U	0.000669	UJ	0.000659	U	0.000656	U	0.000666	U	0.000659	U	0.000656	U	0.000618	U	0.000663	U	0.000661	U	0.000654	U
Endrin	0.014	2.2	11	89	0.06	0.000752	U	0.000852	U	0.000668	U	0.000668	U	0.000674	U	0.000669	UJ	0.000659	U	0.000656	U	0.000666	U	0.000659	U	0.000656	U	0.000618	U	0.000663	U	0.000661	U	0.000654	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00225	U	0.00256	U	0.002	U	0.002	U	0.00202	U	0.00201	UJ	0.00198	U	0.00197	U	0.00208	U	0.00199	U	0.00197	U	0.0037	P	0.00199	U	0.00198	U	0.00196	U
Endrin ketone	NC	NC	NC	NC	NC	0.0018	U	0.00204	U	0.0016	U	0.0016	U	0.00162	U	0.0016	UJ	0.00158	U	0.00157	U	0.00166	U	0.00159	U	0.00157	U	0.00196	U	0.00159	U	0.00159	U	0.00157	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000902	U	0.00102	U	0.000801	U	0.000802	U	0.000809	U	0.000803	UJ	0.000791	U	0.000787	U	0.000832	U	0.000797	U	0.000787	U	0.000982	U	0.000796	U	0.000793	U	0.000785	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00338	UJ	0.00383	UJ	0.003	UJ	0.00301	UJ	0.00303	UJ	0.00301	UJ	0.00296	UJ	0.00295	UJ	0.00312	UJ	0.00299	UJ	0.00295	UJ	0.00368	UJ	0.00298	UJ	0.00297	UJ	0.00294	UJ
Lindane	0.1	0.28	1.3	9.2	0.1	0.000752	U	0.000852	U	0.000668	U	0.000668	U	0.000674	U	0.000669	UJ	0.000659	U	0.000656	U	0.000666	U	0.000659	U	0.000656	U	0.000618	U	0.000663	U	0.000661	U	0.000654	U
Methoxychlor	NC	NC	NC	NC	NC	0.00338	UJ	0.00383	UJ	0.003	UJ	0.00301	UJ	0.00303	UJ	0.00301	UJ	0.00296	UJ	0.00295	UJ	0.00312	UJ	0.00299	UJ	0.00295	UJ	0.00368	UJ	0.00298	UJ	0.00297	UJ	0.00294	UJ
Toxaphene	NC	NC	NC	NC	NC	0.0338	UJ	0.0383	UJ	0.03	UJ	0.0301	UJ	0.0303	UJ	0.0301	UJ	0.0296	UJ	0.0295	UJ	0.0312	UJ	0.0299	UJ	0.0295	UJ	0.0368	UJ	0.0298	UJ	0.0297	UJ	0.0294	UJ
trans-Chlordane	NC	NC	NC	NC	NC	0.00225	U	0.00256	U	0.002	U	0.002	U	0.00202	U	0.00201	UJ	0.00198	U	0.00197	U	0.00208	U	0.00199	U	0.00197	U	0.0323		0.00199	U	0.00198	U	0.00196	U
PCBs																																			
Aroclor 1016	0.1	1	1	1	3.2	0.0375	U	0.043	U	0.0339	U	0.033	U	0.0342	U	0.0334	U	0.0333	U	0.0332	U	0.0342	U	0.0329	U	0.0325	U	0.0409	U	0.033	U	0.0324	U	0.0331	U
Aroclor 1221	0.1	1	1	1	3.2	0.0375	U	0.043	U	0.0339	U	0.033	U	0.0342	U	0.0334	U	0.0333	U	0.0332	U	0.0342	U	0.0329	U	0.0325	U	0.0409	U	0.033	U	0.0324	U	0.0331	U
Aroclor 1232	0.1	1	1	1	3.2	0.0375	U	0.043	U	0.0339	U	0.033	U	0.0342	U	0.0334	U	0.0333	U	0.0332	U	0.0342	U	0.0329	U	0.0325	U	0.0409	U	0.033	U	0.0324	U	0.0331	U
Aroclor 1242	0.1	1	1	1	3.2	0.0375	U	0.043	U	0.0339	U	0.033	U	0.																					

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-13 (12-14)		SB-13 (14-16)		SB-14 (0-2)		SB-14 (2-4)		SB-14 (4-6)		SB-14 (8-10)		SB-14 (12-14)		SB-14 (14-16)		SB-15/LP-02 (8-10)		SB-15/LP-02 (10-12)		SB-15/LP-02 (12-14)		SB-15/LP-02 (14-16)			
LAB ID:						L2306379-14		L2306379-15		L2306379-24		L2306379-25		L2306379-26		L2306379-27		L2306379-28		L2306379-29		L2306379-06		L2306379-07		L2306379-08		L2306379-09			
COLLECTION DATE:						2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q		
VOLATILE ORGANICS																															
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,1-Dichloroethane	0.27	19	26	240	0.27	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,1-Dichloroethene	0.33	100	100	500	0.33	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.013		0.0019	U	0.0018	U	0.002	U		
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0034	U	0.0034	U	0.003	U	0.0033	U	0.0026	U	0.0036	U	0.0031	U	0.0039	U	0.0032	U	0.0028	U	0.0028	U	0.003	U		
1,2-Dibromomethane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.0011	U	0.0011	U	0.001	U	0.0011	U	0.00086	U	0.0012	U	0.001	U	0.0013	U	0.0011	U	0.00093	U	0.00093	U	0.001	U		
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
1,4-Dioxane	0.1	9.8	13	130	0.1	0.09	U	0.09	U	0.081	U	0.088	U	0.069	U	0.097	U	0.082	U	0.1	U	0.086	U	0.075	U	0.074	U	0.081	U		
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
2-Butanone	0.12	100	100	500	0.12	0.011	U	0.011	U	0.01	U	0.011	U	0.0086	U	0.012	U	0.01	U	0.013	U	0.011	U	0.0093	U	0.0093	U	0.01	U		
2-Hexanone	NC	NC	NC	NC	NC	0.011	U	0.011	U	0.01	U	0.011	U	0.0086	U	0.012	U	0.01	U	0.013	U	0.011	U	0.0093	U	0.0093	U	0.01	U		
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.011	U	0.011	U	0.01	U	0.011	U	0.0086	U	0.012	U	0.01	U	0.013	U	0.011	U	0.0093	U	0.0093	U	0.01	U		
Acetone	0.05	100	100	500	0.05	0.011	U	0.011	U	0.01	U	0.015		0.0086	U	0.012	U	0.01	U	0.013	U	0.011	U	0.0093	U	0.0093	U	0.01	U		
Acrylonitrile	NC	NC	NC	NC	NC	0.0045	U	0.0045	U	0.0041	U	0.0044	U	0.0034	U	0.0048	U	0.0041	U	0.0052	U	0.0043	U	0.0037	U	0.0037	U	0.004	U		
Benzene	0.06	2.9	4.8	44	0.06	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
Bromobenzene	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
Bromochloromethane	NC	NC	NC	NC	NC	0.0022	U	0.0022	U	0.002	U	0.0022	U	0.0017	U	0.0024	U	0.002	U	0.0026	U	0.0021	U	0.0019	U	0.0018	U	0.002	U		
Bromodichloromethane	NC	NC	NC	NC	NC	0.00056	U	0.00056	U	0.00051	U	0.00055	U	0.00043	U	0.00061	U	0.00051	U	0.00064	U	0.00053	U	0.00047	U	0.00046	U	0.0005	U		
Bromoform	NC	NC	NC	NC	NC	0.0045	U	0.0045	U	0.0041	U	0.0044	U	0.0034	U	0.0048	U	0.0041	U	0.0052	U	0.0043	U	0.0037	U	0.0037	U	0.004	U		
Bromomethane	NC																														



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Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-13 (12-14)		SB-13 (14-16)		SB-14 (0-2)		SB-14 (2-4)		SB-14 (4-6)		SB-14 (8-10)		SB-14 (12-14)		SB-14 (14-16)		SB-15/LP-02 (8-10)		SB-15/LP-02 (10-12)		SB-15/LP-02 (12-14)		SB-15/LP-02 (14-16)		
LAB ID:						L2306379-14		L2306379-15		L2306379-24		L2306379-25		L2306379-26		L2306379-27		L2306379-28		L2306379-29		L2306379-06		L2306379-07		L2306379-08		L2306379-09		
COLLECTION DATE:						2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		2/6/2023		
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	
CHLORINATED HERBICIDES BY GC																														
2,4,5-T	NC	NC	NC	NC	NC	0.167	U	0.166	U	0.175	UJ	0.17	UJ	0.171	UJ	0.168	UJ	0.173	UJ	0.193	U	0.198	U	0.173	U	0.176	U	0.17	U	
2,4,5-TP (Silvex)	3.8	100	58	500	3.8	0.167	U	0.166	U	0.175	U	0.17	U	0.171	U	0.168	U	0.173	U	0.193	U	0.198	U	0.173	U	0.176	U	0.17	U	
2,4-D	NC	NC	NC	NC	NC	0.167	U	0.166	U	0.175	U	0.17	U	0.171	U	0.168	U	0.173	U	0.193	U	0.198	U	0.173	U	0.176	U	0.17	U	
PESTICIDES																														
4,4'-DDD	0.0033	2.6	13	92	14	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
4,4'-DDE	0.0033	1.8	8.9	62	17	0.00157	U	0.00158	U	0.00171	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000655	U	0.000659	U	0.000686	U	0.000683	U	0.000675	U	0.000662	U	0.000661	U	0.000773	U	0.000762	U	0.000659	U	0.000719	U	0.000653	U	
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Chlordane	NC	NC	NC	NC	NC	0.0131	U	0.0132	U	0.0137	U	0.0136	U	0.0135	U	0.0132	U	0.0132	U	0.0155	U	0.0152	U	0.0132	U	0.0144	U	0.013	U	
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00196	U	0.00198	U	0.00301	J	0.00205	U	0.00202	U	0.00199	U	0.00198	U	0.00232	U	0.000708	J	0.00199	U	0.00216	U	0.00196	U	
Delta-BHC	0.04	100	100	500	0.25	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.000982	U	0.000988	U	0.00103	U	0.00102	U	0.00101	U	0.000994	U	0.000991	U	0.00116	U	0.00114	U	0.000994	U	0.00108	U	0.000979	U	
Endosulfan I	2.4	4.8	24	200	102	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Endosulfan II	2.4	4.8	24	200	102	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000655	U	0.000659	U	0.000686	U	0.000683	U	0.000675	U	0.000662	U	0.000661	U	0.000773	U	0.000762	U	0.000659	U	0.000719	U	0.000653	U	
Endrin	0.014	2.2	11	89	0.06	0.000655	U	0.000659	U	0.000686	U	0.000683	U	0.000675	U	0.000662	U	0.000661	U	0.000773	U	0.000762	U	0.000659	U	0.000719	U	0.000653	U	
Endrin aldehyde	NC	NC	NC	NC	NC	0.00196	U	0.00198	U	0.00206	U	0.00205	U	0.00202	U	0.00199	U	0.00198	U	0.00232	U	0.00229	U	0.00199	U	0.00216	U	0.00196	U	
Endrin ketone	NC	NC	NC	NC	NC	0.00157	U	0.00158	U	0.00165	U	0.00164	U	0.00162	U	0.00159	U	0.00158	U	0.00186	U	0.00183	U	0.00159	U	0.00172	U	0.00157	U	
Heptachlor	0.042	0.42	2.1	15	0.38	0.000786	U	0.00079	U	0.000824	U	0.000819	U	0.00081	U	0.000795	U	0.000793	U	0.000928	U	0.000915	U	0.000795	U	0.000862	U	0.000783	U	
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00295	U	0.00296	U	0.00309	U	0.00307	U	0.00304	U	0.00298	U	0.00297	U	0.00348	U	0.00343	U	0.00298	U	0.00323	U	0.00294	U	
Lindane	0.1	0.28	1.3	9.2	0.1	0.000655	U	0.000659	U	0.000686	U	0.000683	U	0.000675	U	0.000662	U	0.000661	U	0.000773	U	0.000762	U	0.000659	U	0.000719	U	0.000653	U	
Methoxychlor	NC	NC	NC	NC	NC	0.00295	U	0.00296	U	0.00309	U	0.00307	U	0.00304	U	0.00298	U	0.00297	U	0.00348	U	0.00343	U	0.00298	U	0.00323	U	0.00294	U	
Toxaphene	NC	NC	NC	NC	NC	0.0295	U	0.0296	U	0.0309	U	0.0307	U	0.0304	U	0.0298	U	0.0297	U	0.0348	U	0.0343	U	0.0298	U	0.0323	U	0.0294	U	
trans-Chlordane	NC	NC	NC	NC	NC	0.00196	U	0.00198	U	0.00462	U	0.00205	U	0.00202	U	0.00199	U	0.00198	U	0.00232	U	0.00229	U	0.00199	U	0.00216	U	0.00196	U	
PCBs																														
Aroclor 1016	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1221	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1232	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1242	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1248	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1254	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1260	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1262	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
Aroclor 1268	0.1	1	1	1	3.2	0.0327	U	0.0328	U	0.0346	U	0.0333	U	0.0331	U	0.0337	U	0.0341	U	0.039	U	0.0397	U	0.0339	U	0.0359	U	0.0325	U	
TOTAL METALS																														
Aluminum, Total	NC	NC	NC	NC	NC	1990		1460		5910		1510		1480		1060		968		1760		2890		1840		2270		1740		
Antimony, Total	NC	NC	NC	NC	NC	4	U	0.424	J	4.07	U	3.93	U	3.92	U	3.94	U	4.07	U	4.61	U	1.37	J	3.98	U	0.46	J	3.93	U	
Arsenic, Total	13	16	16	16	16	0.914		0.874		2.92		0.854		1.55		1.27		1.01		1.11		8.39		1.05		2.28		0.835		
Barium, Total	350	350	400	400	820	9.78		10.2		21.2		8.48		5.59</																

Table 3
SRI Soil Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



Analytical results for soil in milligrams per kilogram (mg/kg).

Q = Laboratory Qualifier

NC = No criteria established for this contaminant

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

I = The lower value for the two columns has been reported due to obvious interference.

P = The RPD between the results for the two columns exceeds the method-specified criteria.

R = Rejected

"-" = Sample not analyzed for this parameter

UUSCO = NYSDEC's Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).

RSCO = NYSDEC's Residential Use Soil Cleanup Objectives (6 NYCRR Part 375).

CSCO = NYSDEC's Commercial Use Soil Cleanup Objectives (6 NYCRR 375-6)

PGWSCO = NYSDEC's Protection of Groundwater Soil Cleanup Objectives (6 NYCRR 375-6)

The results for fluoranthene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and pyrene reported in the original analysis of sample SB-05/LP-3 (8-10) have concentrations that exceed the calibration range and should not be used. The results for fluoranthene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, and pyrene reported from the 10x dilution analysis of sample SB-05/LP-3 (8-10) are usable for decision making purposes.

The undetected results for benzoic acid have been qualified R in samples based on the lack of recovery of this compound during the associated LCS/LCSD analyses.

The result reported for bis(2-ethylhexyl)phthalate in sample SB-03 (2-4) from the 02/05/23 analysis has been qualified R to denote the result exceed the calibration range of the instrument.

Exceeds UUSCO

Exceeds RSCO

Exceeds RRSCO

Exceeds CSCO

Exceeds PGWSCO

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250



SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-01 (0-2) Lot 116		TP-01 (2-4) Lot 116		TP-02 (0-2) Lot 116		TP-02 (2-4) Lot 116		TP-03 (0-2) Lot 8		TP-03 (2-4) Lot 8		TP-04 (0-2) Lot 8		TP-04 (2-4) Lot 8		TP-05 (0-2) Lot 8	
LAB ID:						L2304292-22		L2304292-23		L2304292-20		L2304292-21		L2304292-01		L2304292-02		L2304292-03		L2304292-04		L2304292-05	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	100	100	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	19	26	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	100	100	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	17	49	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	9.8	13	130	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	0.12	100	100	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.05	100	100	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	2.9	4.8	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	1.4	2.4	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.37	10	49	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.25	59	100	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl ether	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	30	41	390	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether	0.93	62	100	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.05	51	100	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	100	100	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	3.9	100	100	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	100	100	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Chlorotoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Chlorotoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Diethylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Ethyltoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	11	100	100	500	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5.9	100	100	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	5.5	19	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.7	100	100	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	100	100	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	10	21	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	0.21	0.9	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	0.26	100	100	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-01 (0-2) Lot 116		TP-01 (2-4) Lot 116		TP-02 (0-2) Lot 116		TP-02 (2-4) Lot 116		TP-03 (0-2) Lot 8		TP-03 (2-4) Lot 8		TP-04 (0-2) Lot 8		TP-04 (2-4) Lot 8		TP-05 (0-2) Lot 8	
LAB ID:						L2304292-22		L2304292-23		L2304292-20		L2304292-21		L2304292-01		L2304292-02		L2304292-03		L2304292-04		L2304292-05	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SEMI-VOLATILE ORGANICS																							
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.032	U	0.025	U	0.031	U	0.029	U	0.028	U	0.026	U	0.029	U	0.029	U	0.054	U
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.13	U	0.1	U	0.12	U	0.12	U	0.11	U	0.1	U	0.12	U	0.12	U	0.22	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.19	U	0.15	U	0.18	U	0.17	U	0.17	U	0.16	U	0.17	U	0.18	U	0.32	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	1	U	0.82	U	0.98	U	0.93	U	0.9	U	0.84	U	0.92	U	0.94	U	1.7	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2-Chlorophenol	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.25	U	0.2	U	0.25	U	0.23	U	0.22	U	0.21	U	0.23	U	0.23	U	0.43	U
2-Methylphenol	0.33	100	100	500	0.33	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.46	U	0.37	U	0.44	U	0.42	U	0.4	U	0.38	U	0.42	U	0.42	U	0.78	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.3	U	0.24	U	0.3	U	0.28	U	0.27	U	0.25	U	0.28	U	0.28	U	0.52	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.55	U	0.44	U	0.53	U	0.5	U	0.49	U	0.46	U	0.5	U	0.51	U	0.94	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
4-Chloroaniline	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
4-Nitroaniline	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.3	U	0.24	U	0.29	U	0.27	U	0.26	U	0.24	U	0.27	U	0.27	U	0.5	U
Acenaphthene	20	100	100	500	98	0.17	U	0.14	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.16	U	0.093	J
Acenaphthylene	100	100	100	500	107	0.17	U	0.14	U	0.16	U	0.15	U	0.15	U	0.14	U	0.15	U	0.16	U	0.097	J
Acetophenone	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
Anthracene	100	100	100	500	1000	0.13	U	0.1	U	0.12	U	0.12	U	0.11	U	0.1	U	0.12	U	0.12	U	0.32	
Benzo(a)anthracene	1	1	1	5.6	1	0.13	U	0.1	U	0.04	J	0.039	J	0.029	J	0.1	U	0.051	J	0.12	U	0.88	
Benzo(a)pyrene	1	1	1	1	22	0.17	U	0.14	U	0.16	U	0.15	U	0.15	U	0.14	U	0.052	J	0.16	U	0.88	
Benzo(b)fluoranthene	1	1	1	5.6	1.7	0.13	U	0.1	U	0.047	J	0.064	J	0.035	J	0.1	U	0.072	J	0.12	U	1	
Benzo(ghi)perylene	100	100	100	500	1000	0.17	U	0.14	U	0.026	J	0.028	J	0.15	U	0.14	U	0.04	J	0.16	U	0.52	
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	0.13	U	0.1	U	0.12	U	0.12	U	0.11	U	0.1	U	0.12	U	0.12	U	0.36	
Benzoic Acid	NC	NC	NC	NC	NC	0.69	U	0.55	U	0.66	U	0.63	U	0.61	U	0.57	U	0.62	U	0.63	U	1.2	U
Benzyl Alcohol	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
Biphenyl	NC	NC	NC	NC	NC	0.48	U	0.39	U	0.47	U	0.44	U	0.43	U	0.4	U	0.44	U	0.44	U	0.82	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	0.23	U	0.18	U	0.22	U	0.21	U	0.2	U	0.19	U	0.21	U	0.21	U	0.39	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	0.19	U	0.15	U	0.18	U	0.17	U	0.17	U	0.16	U	0.17	U	0.18	U	0.32	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	NC	NC	0.25	U	0.2	U	0.25	U	0.23	U	0.22	U	0.21	U	0.23	U	0.23	U	0.43	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.078	J	0.2	U	0.36	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
Carbazole	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.093	J
Chrysene	1	1	3.9	56	1	0.13	U	0.1	U	0.039	J	0.056	J	0.034	J	0.1	U	0.058	J	0.12	U	0.82	
Di-n-butylphthalate	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
Di-n-octylphthalate	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.36	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1000	0.13	U	0.1	U	0.12	U	0.12	U	0.11	U	0.1	U	0.12	U	0.12	U	0.12	J
Dibenzofuran	7	14	59	350	210	0.21	U	0.17	U	0.2	U	0.19	U	0.19	U	0.18	U	0.19	U	0.2	U	0.07	J
Diethyl phthalate	NC	NC	NC	NC	NC	0.21	U	0.17	U	0.2	U	0											

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250



SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-01 (0-2) Lot 116		TP-01 (2-4) Lot 116		TP-02 (0-2) Lot 116		TP-02 (2-4) Lot 116		TP-03 (0-2) Lot 8		TP-03 (2-4) Lot 8		TP-04 (0-2) Lot 8		TP-04 (2-4) Lot 8		TP-05 (0-2) Lot 8	
LAB ID:						L2304292-22		L2304292-23		L2304292-20		L2304292-21		L2304292-01		L2304292-02		L2304292-03		L2304292-04		L2304292-05	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PESTICIDES																							
4,4'-DDD	0.0033	2.6	13	92	14	0.00195	U	0.00159	U	0.00191	U	0.00999		0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
4,4'-DDE	0.0033	1.8	8.9	62	17	0.00195	U	0.00159	U	0.000588	J	0.00485	IP	0.00172	U	0.00163	U	0.00112	J	0.00184	U	0.00154	J
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00553	
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000814	U	0.000663	U	0.000797	U	0.000728	U	0.000718	U	0.000679	U	0.000773	U	0.000765	U	0.000722	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Chlordane	NC	NC	NC	NC	NC	0.0163	U	0.0132	U	0.0159	U	0.0146	U	0.0144	U	0.0136	U	0.0154	U	0.0153	U	0.0248	
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00244	U	0.00199	U	0.00239	U	0.00414		0.00215	U	0.00204	U	0.00232	U	0.00229	U	0.00533	
Delta-BHC	0.04	100	100	500	0.25	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00122	U	0.000994	U	0.0012	U	0.00109	U	0.00108	U	0.00102	U	0.00116	U	0.00115	U	0.00635	
Endosulfan I	2.4	4.8	24	200	102	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Endosulfan II	2.4	4.8	24	200	102	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000814	U	0.000663	U	0.000797	U	0.000728	U	0.000718	U	0.000679	U	0.000773	U	0.000765	U	0.000722	U
Endrin	0.014	2.2	11	89	0.06	0.000814	U	0.000663	U	0.000797	U	0.000728	U	0.000718	U	0.000679	U	0.000773	U	0.000765	U	0.000722	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00244	U	0.00199	U	0.00239	U	0.00218	U	0.00215	U	0.00204	U	0.00232	U	0.00229	U	0.00216	U
Endrin ketone	NC	NC	NC	NC	NC	0.00195	U	0.00159	U	0.00191	U	0.00175	U	0.00172	U	0.00163	U	0.00185	U	0.00184	U	0.00173	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000977	U	0.000795	U	0.000956	U	0.000873	U	0.000861	U	0.000815	U	0.000927	U	0.000918	U	0.000866	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00366	U	0.00298	U	0.00359	U	0.00327	U	0.00323	U	0.00306	U	0.00348	U	0.00344	U	0.00325	U
Lindane	0.1	0.28	1.3	9.2	0.1	0.000814	U	0.000663	U	0.000797	U	0.000728	U	0.000718	U	0.000679	U	0.000773	U	0.000765	U	0.000722	U
Methoxychlor	NC	NC	NC	NC	NC	0.00366	U	0.00298	U	0.00359	U	0.00327	U	0.00323	U	0.00306	U	0.00348	U	0.00344	U	0.00325	U
Toxaphene	NC	NC	NC	NC	NC	0.0366	U	0.0298	U	0.0359	U	0.0327	U	0.0323	U	0.0306	U	0.0348	U	0.0344	U	0.0325	U
trans-Chlordane	NC	NC	NC	NC	NC	0.00244	U	0.00199	U	0.00239	U	0.00535	IP	0.00215	U	0.00204	U	0.00232	U	0.00229	U	0.00481	
CHLORINATED HERBICIDES																							
2,4,5-T	NC	NC	NC	NC	NC	0.214	U	0.169	U	0.207	U	0.191	U	0.189	U	0.173	U	0.192	U	0.194	U	0.183	U
2,4,5-TP (Silvex)	3.8	58	100	500	3.8	0.214	U	0.169	U	0.207	U	0.191	U	0.189	U	0.173	U	0.192	U	0.194	U	0.183	U
2,4-D	NC	NC	NC	NC	NC	0.214	U	0.169	U	0.207	U	0.191	U	0.189	U	0.173	U	0.192	U	0.194	U	0.183	U
PCBs																							
Aroclor 1016	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1221	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1232	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1242	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1248	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1254	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0188	J	0.116		0.036	U	0.0333	U	0.0102	J	0.0384	U	0.0265	J
Aroclor 1260	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.0173	J	0.0384	U	0.0135	J
Aroclor 1262	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
Aroclor 1268	0.1	1	1	1	3.2	0.0416	U	0.0337	U	0.0396	U	0.0371	U	0.036	U	0.0333	U	0.037	U	0.0384	U	0.0355	U
TOTAL METALS																							
Aluminum, Total	NC	NC	NC	NC	NC	14200		6270		4460		9720		6830		1840		9440		14600		5360	
Antimony, Total	NC	NC	NC	NC	NC	4.85	U	3.87	U	0.458	J	4.45	U	0.653	J	4.11	U	0.386	J	4.63	U	0.383	J
Arsenic, Total	13	16	16	16	16	5.28		2.69		3.31		5.31		7.26		0.72	J	6.23		4.65		3.42	
Barium, Total	350	350	400	400	820	72.5		9.73		44.9		104		77.5		5.36		129		53.7		32.2	
Beryllium, Total	7.2	14	72	590	47	0.47	J	0.252	J	0.191	J	0.33	J	0.296	J	0.08	J	0.344	J	0.395	J	0.235	J
Cadmium, Total	2.5	2.5	4.3	9.3	7.5	0.411	J	0.077	J	0.28	J	0.562	J	0.243	J	0.823	U	0.504	J	0.15	J	0.29	J
Calcium, Total	NC	NC	NC	NC	NC	352		104		1020		2560		1400		174		1540		203		7410	
Chromium, Total	NC	NC	NC	NC	NC	15.6		7.86		7.28		12.4		9.68		1.9		14.4		14.7		11.9	
Cobalt, Total	NC	NC	NC	NC	NC	4.44		3.98		2.33		4.22		3.24		0.902	J	4.63		4.85		3.84	
Copper, Total	50	270	270	270	1720	99.1		4.43		11.2		18.7		33		2.34		18.4		7.15		17.5	
Iron, Total	NC	NC	NC	NC	NC	16600		9240		11200		14200		10200		2980		13200		15400		11400	
Lead, Total	63	400	400	1000	450	86.5		4.69		110													

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-05 (2-4) Lot 8		TP-06 (0-2) Lot 9		TP-06 (2-4) Lot 9		TP-07 (0-2) Lot 9		TP-07 (2-4) Lot 9		TP-08 (0-2) Lot 10		TP-08 (2-4) Lot 10		TP-09 (0-2) Lot 10		TP-09 (2-4) Lot 10	
LAB ID:						L2304292-06		L2304292-13		L2304292-14		L2304292-07		L2304292-08		L2304292-11		L2304292-12		L2304292-09		L2304292-10	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	0.68	100	100	500	0.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	0.27	19	26	240	0.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	0.33	100	100	500	0.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dibromoethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	2.4	17	49	280	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dioxane	0.1	9.8	13	130	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Butanone	0.12	100	100	500	0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-Hexanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acetone	0.05	100	100	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acrylonitrile	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	0.06	2.9	4.8	44	0.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromodichloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon disulfide	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carbon tetrachloride	0.76	1.4	2.4	22	0.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	0.37	10	49	350	0.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	0.25	59	100	500	0.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dibromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichlorodifluoromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethyl ether	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1	30	41	390	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Isopropylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methyl tert butyl ether	0.93	62	100	500	0.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Methylene chloride	0.05	51	100	500	0.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Butylbenzene	12	100	100	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
n-Propylbenzene	3.9	100	100	500	3.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Naphthalene	12	100	100	500	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Chlorotoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
o-Xylene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Chlorotoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Diethylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Ethyltoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p-Isopropyltoluene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
p/m-Xylene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
sec-Butylbenzene	11	100	100	500	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
tert-Butylbenzene	5.9	100	100	500	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1.3	5.5	19	150	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	0.7	100	100	500	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	0.19	100	100	500	0.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,4-Dichloro-2-butene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.47	10	21	200	0.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichlorofluoromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl acetate	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vinyl chloride	0.02	0.21	0.9	13	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes, Total	0.26	100	100	500	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-05 (2-4) Lot 8		TP-06 (0-2) Lot 9		TP-06 (2-4) Lot 9		TP-07 (0-2) Lot 9		TP-07 (2-4) Lot 9		TP-08 (0-2) Lot 10		TP-08 (2-4) Lot 10		TP-09 (0-2) Lot 10		TP-09 (2-4) Lot 10			
LAB ID:						L2304292-06		L2304292-13		L2304292-14		L2304292-07		L2304292-08		L2304292-11		L2304292-12		L2304292-09		L2304292-10			
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023			
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil			
SEMI-VOLATILE ORGANICS																									
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
1,4-Dioxane	0.1	9.8	13	130	0.1	0.027	U	0.027	U	0.026	U	0.052	U	0.027	U	0.028	U	0.025	U	0.027	U	0.028	U		
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.11	U	0.11	U	0.1	U	0.21	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U		
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.16	U	0.16	U	0.16	U	0.31	U	0.16	U	0.17	U	0.15	U	0.16	U	0.17	U		
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.88	U	0.85	U	0.83	U	1.7	U	0.85	U	0.89	U	0.81	U	0.86	U	0.89	U		
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2-Chlorophenol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.22	U	0.21	U	0.21	U	0.42	U	0.21	U	0.22	U	0.2	U	0.22	U	0.22	U		
2-Methylphenol	0.33	100	100	500	0.33	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
2-Nitrophenol	NC	NC	NC	NC	NC	0.4	U	0.38	U	0.37	U	0.75	U	0.38	U	0.4	U	0.36	U	0.39	U	0.4	U		
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.26	U	0.26	U	0.25	U	0.5	U	0.26	U	0.27	U	0.24	U	0.26	U	0.26	U		
3-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.48	U	0.46	U	0.45	U	0.91	U	0.46	U	0.48	U	0.44	U	0.47	U	0.48	U		
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
4-Chloroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
4-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
4-Nitrophenol	NC	NC	NC	NC	NC	0.26	U	0.25	U	0.24	U	0.49	U	0.25	U	0.26	U	0.24	U	0.25	U	0.26	U		
Acenaphthene	20	100	100	500	98	0.15	U	0.14	U	0.14	U	0.28	U	0.14	U	0.15	U	0.14	U	0.03	J	0.15	U		
Acenaphthylene	100	100	100	500	107	0.042	J	0.14	U	0.14	U	0.28	U	0.14	U	0.13	J	0.14	U	0.043	J	0.15	U		
Acetophenone	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Anthracene	100	100	100	500	1000	0.048	J	0.11	U	0.1	U	0.21	U	0.11	U	0.14		0.1	U	0.096	J	0.11	U		
Benzo(a)anthracene	1	1	1	5.6	1	0.21		0.037	J	0.1	U	0.064	J	0.029	J	0.47		0.1	U	0.37		0.11	U		
Benzo(a)pyrene	1	1	1	1	22	0.22		0.14	U	0.14	U	0.28	U	0.14	U	0.46		0.14	U	0.34		0.15	U		
Benzo(b)fluoranthene	1	1	1	5.6	1.7	0.27		0.05	J	0.1	U	0.079	J	0.036	J	0.62		0.1	U	0.41		0.11	U		
Benzo(ghi)perylene	100	100	100	500	1000	0.16		0.029	J	0.14	U	0.046	J	0.14	U	0.31		0.14	U	0.25		0.15	U		
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	0.1	J	0.11	U	0.1	U	0.21	U	0.11	U	0.18		0.1	U	0.18		0.11	U		
Benzoic Acid	NC	NC	NC	NC	NC	0.59	U	0.57	U	0.56	U	1.1	U	0.58	U	0.6	U	0.55	U	0.58	U	0.6	U		
Benzyl Alcohol	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Biphenyl	NC	NC	NC	NC	NC	0.42	U	0.4	U	0.39	U	0.8	U	0.4	U	0.42	U	0.38	U	0.41	U	0.42	U		
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	0.2	U	0.19	U	0.19	U	0.38	U	0.19	U	0.2	U	0.18	U	0.19	U	0.2	U		
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	0.16	U	0.16	U	0.16	U	0.31	U	0.16	U	0.17	U	0.15	U	0.16	U	0.17	U		
Bis(2-chloroisopropyl)ether	NC	NC	NC	NC	NC	0.22	U	0.21	U	0.21	U	0.42	U	0.21	U	0.22	U	0.2	U	0.22	U	0.22	U		
Bis(2-ethylhexyl)phthalate	NC	NC	NC	NC	NC	0.083	J	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Butyl benzyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Carbazole	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.025	J	0.17	U	0.048	J	0.18	U		
Chrysene	1	1	3.9	56	1	0.22		0.038	J	0.1	U	0.055	J	0.032	J	0.43		0.1	U	0.34		0.11	U		
Di-n-butylphthalate	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Di-n-octylphthalate	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1000	0.039	J	0.11	U	0.1	U	0.21	U	0.11	U	0.082	J	0.1	U	0.062	J	0.11	U		
Dibenzofuran	7	14	59	350	210	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Diethyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.18	U	0.17	U	0.35	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U		
Dimethyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.18	U																

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-05 (2-4) Lot 8		TP-06 (0-2) Lot 9		TP-06 (2-4) Lot 9		TP-07 (0-2) Lot 9		TP-07 (2-4) Lot 9		TP-08 (0-2) Lot 10		TP-08 (2-4) Lot 10		TP-09 (0-2) Lot 10		TP-09 (2-4) Lot 10	
LAB ID:						L2304292-06		L2304292-13		L2304292-14		L2304292-07		L2304292-08		L2304292-11		L2304292-12		L2304292-09		L2304292-10	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PESTICIDES																							
4,4'-DDD	0.0033	2.6	13	92	14	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00329		0.000719	J	0.00159	U	0.000712	JIP	0.0017	U
4,4'-DDE	0.0033	1.8	8.9	62	17	0.0011	J	0.000569	J	0.00168	U	0.0016	U	0.00783		0.00131	J	0.00159	U	0.00203		0.0017	U
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00498		0.00217		0.00168	U	0.00158	J	0.00302		0.00797		0.00159	U	0.00486		0.0017	U
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000721	U	0.000684	U	0.000698	U	0.000666	U	0.000699	U	0.000747	U	0.000663	U	0.000709	U	0.000708	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Chlordane	NC	NC	NC	NC	NC	0.0144	U	0.0137	U	0.014	U	0.0133	U	0.014	U	0.0149	U	0.0132	U	0.0142	U	0.0142	U
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00484		0.00111	JIP	0.00209	U	0.00242		0.0021	U	0.00435		0.00199	U	0.00156	JIP	0.00212	U
Delta-BHC	0.04	100	100	500	0.25	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00483		0.000808	J	0.00105	U	0.000998	U	0.00105	U	0.00443		0.000994	U	0.00204		0.00106	U
Endosulfan I	2.4	4.8	24	200	102	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Endosulfan II	2.4	4.8	24	200	102	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000721	U	0.000684	U	0.000698	U	0.000666	U	0.000699	U	0.000747	U	0.000663	U	0.000709	U	0.000708	U
Endrin	0.014	2.2	11	89	0.06	0.000721	U	0.000684	U	0.000698	U	0.000666	U	0.000699	U	0.000747	U	0.000663	U	0.000709	U	0.000708	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00216	U	0.00205	U	0.00209	U	0.002	U	0.0021	U	0.00224	U	0.00199	U	0.00213	U	0.00212	U
Endrin ketone	NC	NC	NC	NC	NC	0.00173	U	0.00164	U	0.00168	U	0.0016	U	0.00168	U	0.00179	U	0.00159	U	0.0017	U	0.0017	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000865	U	0.000821	U	0.000838	U	0.000799	U	0.000839	U	0.000896	U	0.000795	U	0.00085	U	0.00085	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00324	U	0.00308	U	0.00314	U	0.00299	U	0.00315	U	0.00336	U	0.00298	U	0.00319	U	0.00319	U
Lindane	0.1	0.28	1.3	9.2	0.1	0.000721	U	0.000684	U	0.000698	U	0.000666	U	0.000699	U	0.000747	U	0.000663	U	0.000709	U	0.000708	U
Methoxychlor	NC	NC	NC	NC	NC	0.00324	U	0.00308	U	0.00314	U	0.00299	U	0.00315	U	0.00336	U	0.00298	U	0.00319	U	0.00319	U
Toxaphene	NC	NC	NC	NC	NC	0.0324	U	0.0308	U	0.0314	U	0.0299	U	0.0315	U	0.0336	U	0.0298	U	0.0319	U	0.0319	U
trans-Chlordane	NC	NC	NC	NC	NC	0.00492		0.00205	U	0.00209	U	0.00337		0.0021	U	0.00194	JIP	0.00199	U	0.00213	U	0.00212	U
CHLORINATED HERBICIDES																							
2,4,5-T	NC	NC	NC	NC	NC	0.184	U	0.178	U	0.174	U	0.172	U	0.18	U	0.186	U	0.172	U	0.179	U	0.186	U
2,4,5-TP (Silvex)	3.8	58	100	500	3.8	0.184	U	0.178	U	0.174	U	0.172	U	0.18	U	0.186	U	0.172	U	0.179	U	0.186	U
2,4-D	NC	NC	NC	NC	NC	0.184	U	0.178	U	0.174	U	0.172	U	0.18	U	0.186	U	0.172	U	0.179	U	0.186	U
PCBs																							
Aroclor 1016	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1221	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1232	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1242	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1248	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1254	0.1	1	1	1	3.2	0.0169	J	0.0353	U	0.0344	U	0.0349	U	0.00476	J	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1260	0.1	1	1	1	3.2	0.0106	J	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0122	J	0.0341	U	0.00879	J	0.0364	U
Aroclor 1262	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
Aroclor 1268	0.1	1	1	1	3.2	0.0358	U	0.0353	U	0.0344	U	0.0349	U	0.0359	U	0.0361	U	0.0341	U	0.0361	U	0.0364	U
TOTAL METALS																							
Aluminum, Total	NC	NC	NC	NC	NC	5800		5360		2870		2540		2830		6240		2030		5280		2460	
Antimony, Total	NC	NC	NC	NC	NC	4.22	U	0.665	J	0.926	J	4.15	U	4.24	U	12.2		3.9	U	0.346	J	4.42	U
Arsenic, Total	13	16	16	16	16	3.51		3.95		5.02		1.42		2		8.08		1.36		3.83		1.47	
Barium, Total	350	350	400	400	820	30.7		62.4		35		6.39		20.5		114		7.05		161		9.81	
Beryllium, Total	7.2	14	72	590	47	0.201	J	0.23	J	0.13	J	0.102	J	0.146	J	0.258	J	0.112	J	0.192	J	0.181	J
Cadmium, Total	2.5	2.5	4.3	9.3	7.5	0.274	J	0.359	J	0.546	J	0.829	U	0.162	J	7.68		0.781	U	0.352	J	0.883	U
Calcium, Total	NC	NC	NC	NC	NC	27200		1190		3100		489		4820		15100		215		2030		351	
Chromium, Total	NC	NC	NC	NC	NC	10.7		8.02		8.89		2.85		4.96		19.6		4.49		15.9		4.19	
Cobalt, Total	NC	NC	NC	NC	NC	3.51		2.32		1.89		0.849	J	2.24		6.8		1.98		2.4		2.64	
Copper, Total	50	270	270	270	1720	16.2		19.6		8.56		2.48		8.84		93.6		2.48		155		4.89	
Iron, Total	NC	NC	NC	NC	NC	11000		7360		8560		3650		5700		53800		5270		6810		7830	
Lead, Total	63	400	400	1000	450	104		328		129		7.92		50		2150		1					

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-10 (0-2) Lot 111		TP-10 (2-4) Lot 111		TP-11 (0-2) Lot 111		TP-11 (0-2) DUPLICATE		TP-11 (2-4)		SB-100 (0-2) Lot 116		SB-100 (2-4) Lot 116		SB-101 (0-2) Lot 116		SB-101 (2-4) Lot 116	
LAB ID:						L2304292-18		L2304292-19		L2304292-15		L2304292-16		L2304292-17		L2306464-01		L2306464-02		L2306464-03 R1		L2306464-04	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,1-Dichloroethane	0.27	19	26	240	0.27	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,1-Dichloroethene	0.33	100	100	500	0.33	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.003	U	0.0029	U	0.0029	U	0.0024	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
1,4-Dioxane	0.1	9.8	13	130	0.1	-	-	-	-	-	-	-	-	-	-	0.081	UJ	0.077	UJ	0.077	UJ	0.064	UJ
2,2-Dichloropropane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
2-Butanone	0.12	100	100	500	0.12	-	-	-	-	-	-	-	-	-	-	0.01	UJ	0.0096	UJ	0.0096	UJ	0.0081	UJ
2-Hexanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.01	UJ	0.0096	UJ	0.0096	UJ	0.0081	UJ
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.01	UJ	0.0096	UJ	0.0096	UJ	0.0081	UJ
Acetone	0.05	100	100	500	0.05	-	-	-	-	-	-	-	-	-	-	0.0062	J	0.0034	J	0.0096	U	0.0045	J
Acrylonitrile	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.004	U	0.0038	U	0.0038	U	0.0032	U
Benzene	0.06	2.9	4.8	44	0.06	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
Bromobenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Bromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Bromodichloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
Bromoform	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.004	U	0.0038	U	0.0038	U	0.0032	U
Bromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Carbon disulfide	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.01	UJ	0.0096	UJ	0.0096	UJ	0.0081	UJ
Carbon tetrachloride	0.76	1.4	2.4	22	0.76	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
Chlorobenzene	1.1	100	100	500	1.1	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
Chloroethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Chloroform	0.37	10	49	350	0.37	-	-	-	-	-	-	-	-	-	-	0.0015	U	0.0014	U	0.0014	U	0.0012	U
Chloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.004	U	0.0038	U	0.0038	U	0.0032	U
cis-1,2-Dichloroethene	0.25	59	100	500	0.25	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.0005	U	0.00048	U	0.00048	U	0.0004	U
Dibromochloromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
Dibromomethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Dichlorodifluoromethane	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.01	UJ	0.0096	UJ	0.0096	UJ	0.0081	UJ
Ethyl ether	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Ethylbenzene	1	30	41	390	1	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
Hexachlorobutadiene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.004	U	0.0038	U	0.0038	U	0.0032	U
Isopropylbenzene	NC	NC	NC	NC	NC	-	-	-	-	-	-	-	-	-	-	0.001	U	0.00096	U	0.00096	U	0.00081	U
Methyl tert butyl ether	0.93	62	100	500	0.93	-	-	-	-	-	-	-	-	-	-	0.002	U	0.0019	U	0.0019	U	0.0016	U
Methylene chloride	0.05	51	100	500	0.05	-	-	-	-	-	-	-	-	-	-	0.005	U	0.0048	U	0.0048	U		

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-10 (0-2) Lot 111		TP-10 (2-4) Lot 111		TP-11 (0-2) Lot 111		TP-11 (0-2) DUPLICATE		TP-11 (2-4)		SB-100 (0-2) Lot 116		SB-100 (2-4) Lot 116		SB-101 (0-2) Lot 116		SB-101 (2-4) Lot 116	
LAB ID:						L2304292-18		L2304292-19		L2304292-15		L2304292-16		L2304292-17		L2306464-01		L2306464-02		L2306464-03 R1		L2306464-04	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SEMI-VOLATILE ORGANICS																							
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.027	U	0.025	U	0.028	U	0.027	U	0.026	U	0.027	UJ	0.027	UJ	0.027	UJ	0.027	UJ
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.11	U	0.1	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.16	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.87	U	0.81	U	0.88	U	0.86	U	0.82	U	0.86	U	0.87	U	0.88	U	0.87	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	UJ	0.18	UJ	0.18	UJ	0.18	UJ
2-Chlorophenol	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.22	U	0.2	U	0.22	U	0.22	U	0.2	U	0.22	U	0.22	U	0.21	J	0.22	U
2-Methylphenol	0.33	100	100	500	0.33	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.03	J	0.18	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.39	U	0.36	U	0.4	U	0.39	U	0.37	U	0.39	U	0.39	U	0.4	U	0.39	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.26	U	0.24	U	0.26	U	0.26	U	0.24	U	0.26	U	0.26	U	0.13	J	0.26	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.47	U	0.44	U	0.48	U	0.47	U	0.44	U	0.47	U	0.47	U	0.48	U	0.47	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.26	U	0.24	U	0.26	U	0.25	U	0.24	U	0.25	U	0.25	U	0.26	U	0.25	U
Acenaphthene	20	100	100	500	98	0.14	U	0.13	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.17		0.14	U
Acenaphthylene	100	100	100	500	107	0.14	U	0.13	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	2.1		0.14	U
Acetophenone	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.038	J	0.18	U
Anthracene	100	100	100	500	1000	0.11	U	0.1	U	0.11	U	0.11	U	0.1	U	0.11	U	0.11	U	1.6		0.11	U
Benzo(a)anthracene	1	1	1	5.6	1	0.033	J	0.1	U	0.023	J	0.24		0.1	U	0.097	J	0.026	J	4		0.11	U
Benzo(a)pyrene	1	1	1	1	22	0.045	J	0.13	U	0.15	U	0.3		0.14	U	0.098	J	0.14	U	4.4		0.14	U
Benzo(b)fluoranthene	1	1	1	5.6	1.7	0.054	J	0.1	U	0.032	J	0.39		0.1	U	0.15		0.036	J	6.1		0.11	U
Benzo(ghi)perylene	100	100	100	500	1000	0.028	J	0.13	U	0.022	J	0.3		0.14	U	0.059	J	0.024	J	3.6		0.14	U
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	0.11	U	0.1	U	0.11	U	0.15		0.1	U	0.052	J	0.11	U	2.1		0.11	U
Benzoic Acid	NC	NC	NC	NC	NC	0.59	U	0.54	U	0.6	U	0.58	U	0.55	U		R				R		R
Benzyl Alcohol	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	NC	NC	NC	NC	NC	0.42	U	0.38	U	0.42	U	0.41	U	0.39	U	0.41	U	0.41	U	0.046	J	0.41	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	0.2	U	0.18	U	0.2	U	0.19	U	0.18	U	0.19	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	0.16	U	0.15	U	0.16	U	0.16	U	0.15	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	NC	NC	0.22	U	0.2	U	0.22	U	0.22	U	0.2	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	1.6		0.18	U
Chrysene	1	1	3.9	56	1	0.03	J	0.1	U	0.023	J	0.28		0.1	U	0.1	J	0.029	J	5.5		0.11	U
Di-n-butylphthalate	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	NC	NC	NC	NC	NC	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1000	0.11	U	0.1	U	0.11	U	0.054	J	0.1	U	0.11	U	0.11	U	0.73		0.11	U
Dibenzofuran	7	14	59	350	210	0.18	U	0.17	U	0.18	U	0.18	U	0.17	U	0.18	U	0.18	U	0.37		0.18	U
Diethyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.17	U	0													

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	TP-10 (0-2) Lot 111		TP-10 (2-4) Lot 111		TP-11 (0-2) Lot 111		TP-11 (0-2) DUPLICATE		TP-11 (2-4)		SB-100 (0-2) Lot 116		SB-100 (2-4) Lot 116		SB-101 (0-2) Lot 116		SB-101 (2-4) Lot 116	
LAB ID:						L2304292-18		L2304292-19		L2304292-15		L2304292-16		L2304292-17		L2306464-01		L2306464-02		L2306464-03 R1		L2306464-04	
COLLECTION DATE:						1/25/2023		1/25/2023		1/25/2023		1/25/2023		1/25/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PESTICIDES																							
4,4'-DDD	0.0033	2.6	13	92	14	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
4,4'-DDE	0.0033	1.8	8.9	62	17	0.000424	J	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00256		0.00175	U	0.00395		0.00173	U
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	4.00	J	0.00175	U	0.00842	J	0.00173	U
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000698	U	0.000669	U	0.000733	U	0.000726	U	0.000661	U	0.000727	U	0.000728	U	0.000729	U	0.00072	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Chlordane	NC	NC	NC	NC	NC	0.014	U	0.0134	U	0.0146	U	0.0145	U	0.0132	U	0.0145	U	0.0146	U	0.0146	U	0.0144	U
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00209	U	0.00201	U	0.0022	U	0.00218	U	0.00198	U	0.00257	P	0.00218	U	0.00498		0.00216	U
Delta-BHC	0.04	100	100	500	0.25	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00105	U	0.001	U	0.0011	U	0.00109	U	0.000992	U	0.00109	U	0.00109	U	0.00109	U	0.00108	U
Endosulfan I	2.4	4.8	24	200	102	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Endosulfan II	2.4	4.8	24	200	102	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000698	U	0.000669	U	0.000733	U	0.000726	U	0.000661	U	0.000727	U	0.000728	U	0.000729	U	0.00072	U
Endrin	0.014	2.2	11	89	0.06	0.000698	U	0.000669	U	0.000733	U	0.000726	U	0.000661	U	0.000727	U	0.000728	U	0.000729	U	0.00072	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00209	U	0.00201	U	0.0022	U	0.00218	U	0.00198	U	0.00218	U	0.00218	U	0.00219	U	0.00216	U
Endrin ketone	NC	NC	NC	NC	NC	0.00168	U	0.0016	U	0.00176	U	0.00174	U	0.00159	U	0.00174	U	0.00175	U	0.00175	U	0.00173	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000838	U	0.000803	U	0.000879	U	0.000871	U	0.000794	U	0.000872	U	0.000873	U	0.000875	U	0.000863	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00314	U	0.00301	U	0.0033	U	0.00326	U	0.00298	U	0.00327	U	0.00327	U	0.00328	U	0.00324	U
Lindane	0.1	0.28	1.3	9.2	0.1	0.000698	U	0.000669	U	0.000733	U	0.000726	U	0.000661	U	0.000727	U	0.000728	U	0.000729	U	0.00072	U
Methoxychlor	NC	NC	NC	NC	NC	0.00314	U	0.00301	U	0.0033	U	0.00326	U	0.00298	U	0.00327	U	0.00327	U	0.00328	U	0.00324	U
Toxaphene	NC	NC	NC	NC	NC	0.0314	U	0.0301	U	0.033	U	0.0326	U	0.0298	U	0.0327	U	0.0327	U	0.0328	U	0.0324	U
trans-Chlordane	NC	NC	NC	NC	NC	0.00209	U	0.00201	U	0.0022	U	0.00218	U	0.00198	U	0.00154	J	0.00218	U	0.00372		0.00216	U
CHLORINATED HERBICIDES																							
2,4,5-T	NC	NC	NC	NC	NC	0.18	U	0.172	U	0.183	U	0.183	U	0.169	U	0.179	U	0.182	U	0.18	U	0.18	U
2,4,5-TP (Silvex)	3.8	58	100	500	3.8	0.18	U	0.172	U	0.183	U	0.183	U	0.169	U	0.179	U	0.182	U	0.18	U	0.18	U
2,4-D	NC	NC	NC	NC	NC	0.18	U	0.172	U	0.183	U	0.183	U	0.169	U	0.179	U	0.182	U	0.18	U	0.18	U
PCBs																							
Aroclor 1016	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1221	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1232	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1242	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1248	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1254	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.012	J/UJ	0.00679	J/UJ	0.0192	J/UJ	0.0362	UJ
Aroclor 1260	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.00705	J/UJ	0.0362	UJ
Aroclor 1262	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
Aroclor 1268	0.1	1	1	1	3.2	0.0365	U	0.0329	U	0.0361	U	0.0363	U	0.0342	U	0.0363	J/UJ	0.0359	J/UJ	0.0357	J/UJ	0.0362	UJ
TOTAL METALS																							
Aluminum, Total	NC	NC	NC	NC	NC	12100		3000		4450		13700		2200		4770		5930		7150		6700	
Antimony, Total	NC	NC	NC	NC	NC	4.25	U	3.95	U	4.23	U	4.3	U	3.94	U	4.28	U	4.28	U	0.36	J	4.23	U
Arsenic, Total	13	16	16	16	16	3.97		1.24		2.46		4.99		1.08		3.64		2.78		3.99		2.34	
Barium, Total	350	350	400	400	820	36.3		7.07		9.87		35.8		6.68		53.7		60.6		70.2		12.4	
Beryllium, Total	7.2	14	72	590	47	0.34	J	0.143	J	0.2	J	0.399	J	0.133	J	0.199	J	0.246	J	0.291	J	0.273	J
Cadmium, Total	2.5	2.5	4.3	9.3	7.5	0.121	J	0.791	U	0.846	U	0.144	J	0.787	U	0.31	J	0.259	J	0.485	J	0.846	U
Calcium, Total	NC	NC	NC	NC	NC	152		47.4		51.4		641		56		1060		4310		3060		240	
Chromium, Total	NC	NC	NC	NC	NC	12.3		3.57		5.97		13.8		4.07		7.78		8.99		10.1		7.17	
Cobalt, Total	NC	NC	NC	NC	NC	3.71		2.12		2.9		5.21		2.01		1.96		2.8		3.22		3.69	
Copper, Total	50	270	270	270	1720	8.05		3.44		3.96		7.48		3.18		11.6		13.2		41.1		4.65	
Iron, Total	NC	NC	NC	NC	NC	14500		7380		9600		16900		7610		9310		10100		11300		10500	
Lead, Total	63	400	400	1000	450</																		

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250



SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-102 (0-2) Lot 116		SB-102 (2-4) Lot 116		SB-103 (0-2) Lot 111		SB-103 (2-4) Lot 111		SB-104 (0-2) Lot 111		SB-104 (2-4) Lot 111		SB-104 (2-4) DUPLICATE Lot 111		SB-105 (0-2) Lot 111		SB-105 (2-4) Lot 111	
LAB ID:						L2306464-05		L2306464-06		L2306464-07		L2306464-08		L2306464-09		L2306464-10		L2306464-11		L2306464-12		L2306464-13	
COLLECTION DATE:						2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
ANALYTE	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q	Conc.	Q
1,1,1,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
1,1,1-Trichloroethane	0.68	100	100	500	0.68	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
1,1,2,2-Tetrachloroethane	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
1,1,2-Trichloroethane	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloroethane	0.27	19	26	240	0.27	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloroethene	0.33	100	100	500	0.33	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,1-Dichloropropene	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
1,2,3-Trichlorobenzene	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2,3-Trichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2,4,5-Tetramethylbenzene	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	47	52	190	3.6	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2-Dibromo-3-chloropropane	NC	NC	NC	NC	NC	0.0031	U	0.0034	U	0.0038	U	0.0045	J/UJ	0.0031	U	0.0034	U	0.0032	U	0.0031	U	0.0033	U
1,2-Dibromoethane	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,2-Dichloroethane	0.02	2.3	3.1	30	0.02	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichloroethene, Total	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,2-Dichloropropane	NC	NC	NC	NC	NC	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	47	52	190	8.4	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,3-Dichloropropene, Total	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.084	UJ	0.091	UJ	0.7	UJ	0.12	J/UJ	0.082	UJ	0.091	UJ	0.086	UJ	0.083	UJ	0.088	UJ
2,2-Dichloropropane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
2-Butanone	0.12	100	100	500	0.12	0.01	UJ	0.011	UJ	0.013	UJ	0.015	UJ	0.01	UJ	0.011	UJ	0.011	UJ	0.01	UJ	0.011	UJ
2-Hexanone	NC	NC	NC	NC	NC	0.01	UJ	0.011	UJ	0.013	UJ	0.015	UJ	0.01	UJ	0.011	UJ	0.011	UJ	0.01	UJ	0.011	UJ
4-Methyl-2-pentanone	NC	NC	NC	NC	NC	0.01	UJ	0.011	UJ	0.013	UJ	0.015	UJ	0.01	UJ	0.011	UJ	0.011	UJ	0.01	UJ	0.011	UJ
Acetone	0.05	100	100	500	0.05	0.0097	J	0.0063	J	0.013	U	0.017	J/UJ	0.01	U	0.011	U	0.011	U	0.016	J	0.0056	J
Acrylonitrile	NC	NC	NC	NC	NC	0.0042	U	0.0045	U	0.005	U	0.006	J/UJ	0.0041	U	0.0046	U	0.0043	U	0.0042	U	0.0044	U
Benzene	0.06	2.9	4.8	44	0.06	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
Bromobenzene	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
Bromochloromethane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
Bromodichloromethane	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
Bromoform	NC	NC	NC	NC	NC	0.0042	U	0.0045	U	0.005	U	0.006	J/UJ	0.0041	U	0.0046	U	0.0043	U	0.0042	U	0.0044	U
Bromomethane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
Carbon disulfide	NC	NC	NC	NC	NC	0.01	UJ	0.011	UJ	0.013	UJ	0.015	UJ	0.01	UJ	0.011	UJ	0.011	UJ	0.01	UJ	0.011	UJ
Carbon tetrachloride	0.76	1.4	2.4	22	0.76	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
Chlorobenzene	1.1	100	100	500	1.1	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ	0.00051	U	0.00057	U	0.00054	U	0.00052	U	0.00055	U
Chloroethane	NC	NC	NC	NC	NC	0.0021	U	0.0023	U	0.0025	U	0.003	J/UJ	0.002	U	0.0023	U	0.0022	U	0.0021	U	0.0022	U
Chloroform	0.37	10	49	350	0.37	0.0016	U	0.0017	U	0.0019	U	0.0022	J/UJ	0.0015	U	0.0017	U	0.0016	U	0.0016	U	0.0016	U
Chloromethane	NC	NC	NC	NC	NC	0.0042	U	0.0045	U	0.005	U	0.006	J/UJ	0.0041	U	0.0046	U	0.0043	U	0.0042	U	0.0044	U
cis-1,2-Dichloroethene	0.25	59	100	500	0.25	0.001	U	0.0011	U	0.0013	U	0.0015	J/UJ	0.001	U	0.0011	U	0.0011	U	0.001	U	0.0011	U
cis-1,3-Dichloropropene	NC	NC	NC	NC	NC	0.00052	U	0.00057	U	0.00063	U	0.00075	J/UJ										

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-102 (0-2) Lot 116		SB-102 (2-4) Lot 116		SB-103 (0-2) Lot 111		SB-103 (2-4) Lot 111		SB-104 (0-2) Lot 111		SB-104 (2-4) Lot 111		SB-104 (2-4) DUPLICATE Lot 111		SB-105 (0-2) Lot 111		SB-105 (2-4) Lot 111	
LAB ID:						L2306464-05		L2306464-06		L2306464-07		L2306464-08		L2306464-09		L2306464-10		L2306464-11		L2306464-12		L2306464-13	
COLLECTION DATE:						2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
SEMI-VOLATILE ORGANICS																							
1,2,4,5-Tetrachlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
1,2,4-Trichlorobenzene	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
1,2-Dichlorobenzene	1.1	100	100	500	1.1	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
1,3-Dichlorobenzene	2.4	17	49	280	2.4	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
1,4-Dichlorobenzene	1.8	9.8	13	130	1.8	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
1,4-Dioxane	0.1	9.8	13	130	0.1	0.027	UJ	0.031	UJ	0.028	UJ	0.03	UJ	0.027	UJ	0.029	UJ	0.026	UJ	0.03	UJ	0.03	UJ
2,4,5-Trichlorophenol	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2,4,6-Trichlorophenol	NC	NC	NC	NC	NC	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.12	U	0.1	U	0.12	U	0.12	U
2,4-Dichlorophenol	NC	NC	NC	NC	NC	0.16	U	0.19	U	0.17	U	0.18	U	0.16	U	0.17	U	0.15	U	0.18	U	0.18	U
2,4-Dimethylphenol	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2,4-Dinitrophenol	NC	NC	NC	NC	NC	0.86	U	1	U	0.9	U	0.96	UJ	0.87	U	0.92	U	0.82	U	0.97	U	0.98	U
2,4-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2,6-Dinitrotoluene	NC	NC	NC	NC	NC	0.18	UJ	0.21	UJ	0.19	UJ	0.2	UJ	0.18	UJ	0.19	U	0.17	UJ	0.2	UJ	0.2	UJ
2-Chloronaphthalene	NC	NC	NC	NC	NC	0.18	UJ	0.21	UJ	0.19	UJ	0.2	UJ	0.18	UJ	0.19	U	0.17	UJ	0.2	UJ	0.2	UJ
2-Chlorophenol	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2-Methylnaphthalene	NC	NC	NC	NC	NC	0.21	U	0.25	U	0.22	U	0.24	U	0.22	U	0.23	U	0.2	U	0.24	U	0.24	U
2-Methylphenol	0.33	100	100	500	0.33	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
2-Nitrophenol	NC	NC	NC	NC	NC	0.38	U	0.45	U	0.41	U	0.43	U	0.39	U	0.41	U	0.37	U	0.44	U	0.44	U
3,3'-Dichlorobenzidine	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
3-Methylphenol/4-Methylphenol	0.33	34	100	500	0.33	0.26	U	0.3	U	0.27	U	0.29	U	0.26	U	0.28	U	0.24	U	0.29	U	0.29	U
3-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
4,6-Dinitro-o-cresol	NC	NC	NC	NC	NC	0.46	U	0.54	U	0.49	U	0.52	UJ	0.47	U	0.5	U	0.44	U	0.52	U	0.53	U
4-Bromophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
4-Chloroaniline	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
4-Chlorophenyl phenyl ether	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
4-Nitroaniline	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
4-Nitrophenol	NC	NC	NC	NC	NC	0.25	U	0.29	U	0.26	U	0.28	U	0.25	U	0.27	U	0.24	U	0.28	U	0.28	U
Acenaphthene	20	100	100	500	98	0.14	U	0.17	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.16	U	0.16	U
Acenaphthylene	100	100	100	500	107	0.14	U	0.17	U	0.15	U	0.16	U	0.14	U	0.15	U	0.14	U	0.16	U	0.16	U
Acetophenone	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Anthracene	100	100	100	500	1000	0.11	U	0.12	U	0.11	U	0.12	U	0.044	J	0.12	U	0.1	U	0.12	U	0.12	U
Benzo(a)anthracene	1	1	1	5.6	1	0.11	U	0.12	U	0.08	J	0.12	U	0.28		0.12	U	0.029	J	0.028	J	0.028	J
Benzo(a)pyrene	1	1	1	1	22	0.14	U	0.17	U	0.092	J	0.16	U	0.28		0.15	U	0.14	U	0.16	U	0.16	U
Benzo(b)fluoranthene	1	1	1	5.6	1.7	0.11	U	0.12	U	0.12		0.12	U	0.35		0.12	U	0.048	J	0.12	U	0.12	U
Benzo(ghi)perylene	100	100	100	500	1000	0.14	U	0.17	U	0.08	J	0.16	U	0.18		0.15	U	0.024	J	0.16	U	0.16	U
Benzo(k)fluoranthene	0.8	1	3.9	56	1.7	0.11	U	0.12	U	0.038	J	0.12	U	0.11		0.12	U	0.1	U	0.12	U	0.12	U
Benzoic Acid	NC	NC	NC	NC	NC		R		R		R		R		R		R		R		R		R
Benzyl Alcohol	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Biphenyl	NC	NC	NC	NC	NC	0.41	U	0.47	U	0.43	U	0.45	U	0.41	U	0.44	U	0.39	U	0.46	U	0.46	U
Bis(2-chloroethoxy)methane	NC	NC	NC	NC	NC	0.19	U	0.22	U	0.2	U	0.22	U	0.2	U	0.21	U	0.18	U	0.22	U	0.22	U
Bis(2-chloroethyl)ether	NC	NC	NC	NC	NC	0.16	U	0.19	U	0.17	U	0.18	U	0.16	U	0.17	U	0.15	U	0.18	U	0.18	U
Bis(2-chloroisopropyl)ether	NC	NC	NC	NC	NC	0.21	U	0.25	U	0.22	U	0.24	U	0.22	U	0.23	U	0.2	U	0.24	U	0.24	U
Bis(2-ethylhexyl)phthalate	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Butyl benzyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Carbazole	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.022	J	0.19	U	0.17	U	0.2	U	0.2	U
Chrysene	1	1	3.9	56	1	0.11	U	0.12	U	0.086	J	0.12	U	0.26		0.12	U	0.029	J	0.023	J	0.026	J
Di-n-butylphthalate	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Di-n-octylphthalate	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1000	0.11	U	0.12	U	0.11	U	0.12	U	0.042	J	0.12	U	0.1	U	0.12	U	0.12	U
Dibenzofuran	7	14	59	350	210	0.18	U	0.21	U	0.19	U	0.2	U	0.18	U	0.19	U	0.17	U	0.2	U	0.2	U
Diethyl phthalate	NC	NC	NC	NC	NC	0.18	U	0.21	U	0.19	U	0.2	U	0.18									

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250

SAMPLE ID:	Part 375 Unrestricted Use SCOs	Part 375 Residential SCOs	Part 375 Restricted Residential SCOs	Part 375 Commercial SCOs	Part 375 Protection of Groundwater SCOs	SB-102 (0-2) Lot 116		SB-102 (2-4) Lot 116		SB-103 (0-2) Lot 111		SB-103 (2-4) Lot 111		SB-104 (0-2) Lot 111		SB-104 (2-4) Lot 111		SB-104 (2-4) DUPLICATE Lot 111		SB-105 (0-2) Lot 111		SB-105 (2-4) Lot 111	
LAB ID:						L2306464-05		L2306464-06		L2306464-07		L2306464-08		L2306464-09		L2306464-10		L2306464-11		L2306464-12		L2306464-13	
COLLECTION DATE:						2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023		2/7/2023	
SAMPLE MATRIX:						Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
PESTICIDES																							
4,4'-DDD	0.0033	2.6	13	92	14	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
4,4'-DDE	0.0033	1.8	8.9	62	17	0.00167	U	0.00198	U	0.00303		0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
4,4'-DDT	0.0033	1.7	7.9	47	136	0.00167	U	0.00198	U	1.92	J	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Aldrin	0.005	0.019	0.097	0.68	0.19	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Alpha-BHC	0.02	0.097	0.48	3.4	0.02	0.000696	U	0.000826	U	0.000747	U	0.000768	U	0.000709	U	0.000746	U	0.000674	U	0.000806	U	0.000812	U
Beta-BHC	0.036	0.072	0.36	3	0.09	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Chlordane	NC	NC	NC	NC	NC	0.0139	U	0.0165	U	0.821		0.0154	U	0.0142	U	0.0149	U	0.0135	U	0.0161	U	0.0162	U
cis-Chlordane	0.094	0.91	4.2	24	2.9	0.00209	U	0.00248	U	0.13		0.0023	U	0.000832	JP	0.00224	U	0.00202	U	0.00242	U	0.00244	U
Delta-BHC	0.04	100	100	500	0.25	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Dieldrin	0.005	0.039	0.2	1.4	0.1	0.00104	U	0.00124	U	0.00481	P	0.00115	U	0.00106	U	0.00112	U	0.00101	U	0.00121	U	0.00122	U
Endosulfan I	2.4	4.8	24	200	102	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Endosulfan II	2.4	4.8	24	200	102	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Endosulfan sulfate	2.4	4.8	24	200	1000	0.000696	U	0.000826	U	0.000747	U	0.000768	U	0.000709	U	0.000746	U	0.000674	U	0.000806	U	0.000812	U
Endrin	0.014	2.2	11	89	0.06	0.000696	U	0.000826	U	0.000747	U	0.000768	U	0.000709	U	0.000746	U	0.000674	U	0.000806	U	0.000812	U
Endrin aldehyde	NC	NC	NC	NC	NC	0.00209	U	0.00248	U	0.00224	U	0.0023	U	0.00213	U	0.00224	U	0.00202	U	0.00242	U	0.00244	U
Endrin ketone	NC	NC	NC	NC	NC	0.00167	U	0.00198	U	0.00179	U	0.00184	U	0.0017	U	0.00179	U	0.00162	U	0.00193	U	0.00195	U
Heptachlor	0.042	0.42	2.1	15	0.38	0.000835	U	0.000991	U	0.0116		0.000922	U	0.00085	U	0.000895	U	0.000809	U	0.000967	U	0.000975	U
Heptachlor epoxide	NC	NC	NC	NC	NC	0.00313	U	0.00372	U	0.00192	JIP	0.00346	U	0.00319	U	0.00336	U	0.00303	U	0.00363	U	0.00366	U
Lindane	0.1	0.28	1.3	9.2	0.1	0.000696	U	0.000826	U	0.000747	U	0.000768	U	0.000709	U	0.000746	U	0.000674	U	0.000806	U	0.000812	U
Methoxychlor	NC	NC	NC	NC	NC	0.00313	U	0.00372	U	0.00336	U	0.00346	U	0.00319	U	0.00336	U	0.00303	U	0.00363	U	0.00366	U
Toxaphene	NC	NC	NC	NC	NC	0.0313	U	0.0372	U	0.0336	U	0.0346	U	0.0319	U	0.0336	U	0.0303	U	0.0363	U	0.0366	U
trans-Chlordane	NC	NC	NC	NC	NC	0.00209	U	0.00248	U	0.11		0.0023	U	0.00213	U	0.00224	U	0.00202	U	0.00242	U	0.00244	U
CHLORINATED HERBICIDES																							
2,4,5-T	NC	NC	NC	NC	NC	0.179	U	0.206	U	0.188	U	0.195	U	0.18	U	0.192	U	0.17	U	0.2	U	0.201	U
2,4,5-TP (Silvex)	3.8	58	100	500	3.8	0.179	U	0.206	U	0.188	U	0.195	U	0.18	U	0.192	U	0.17	U	0.2	U	0.201	U
2,4-D	NC	NC	NC	NC	NC	0.179	U	0.206	U	0.188	U	0.195	U	0.18	U	0.192	U	0.17	U	0.2	U	0.201	U
PCBs																							
Aroclor 1016	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1221	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1232	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1242	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1248	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1254	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1260	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0223	J/UJ
Aroclor 1262	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
Aroclor 1268	0.1	1	1	1	3.2	0.0354	UJ	0.0412	UJ	0.0372	UJ	0.0394	U	0.0359	UJ	0.0372	UJ	0.0335	UJ	0.039	UJ	0.0396	J/UJ
TOTAL METALS																							
Aluminum, Total	NC	NC	NC	NC	NC	6230		15900		5170		7260		11900		1830		2030		12600		13900	
Antimony, Total	NC	NC	NC	NC	NC	4.09	U	4.8	U	4.4	U	4.56	U	4.35	U	4.54	U	3.9	U	4.72	U	4.8	U
Arsenic, Total	13	16	16	16	16	2.69		4.96		5.64		4.9		4.63		1.23		1.14		4.28		4.36	
Barium, Total	350	350	400	400	820	28.2		42.2		35.2		54.8		45.1		17.4		11.6		55.3		28.8	
Beryllium, Total	7.2	14	72	590	47	0.252	J	0.42	J	0.235	J	0.28	J	0.381	J	0.109	J	0.098	J	0.344	J	0.352	J
Cadmium, Total	2.5	2.5	4.3	9.3	7.5	0.327	J	0.106	J	0.157	J	0.147	J	0.189	J	0.907	U	0.78	U	0.177	J	0.13	J
Calcium, Total	NC	NC	NC	NC	NC	842		1390		62300		55800		8210		154		130		2230		777	
Chromium, Total	NC	NC	NC	NC	NC	6.89		15		12		11.6		13.1		3.28		3.13		11.7		12.8	
Cobalt, Total	NC	NC	NC	NC	NC	2.9		4.32		2.55		2.44		4.18		8.78	J	1.78	J	2.85		3.71	
Copper, Total	50	270	270	270	1720	8.18		6.78		13		11		8.67		4.55	J	2.44	J	9.13		6.45	
Iron, Total	NC	NC	NC	NC	NC	10100		17100		6920		9740		15500		5910		5000		15800		15200	
Lead, Total	63	400																					

Table 4
Soil Sample Analytical Results Summary – Northeastern Lots
Carman Place Site
BCP No. C130250



All analytical results for soil in milligrams per kilogram (mg/kg).

Q = Laboratory Qualifier

NC = No criteria established for this contaminant

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

I = The lower value for the two columns has been reported due to obvious interference.

P = The RPD between the results for the two columns exceeds the method-specified criteria.

R = Rejected

"-" = Sample not analyzed for this parameter

UUSCO = NYSDEC's Unrestricted Use Soil Cleanup Objectives (6 NYCRR Part 375).

RSCO = NYSDEC's Residential Use Soil Cleanup Objectives (6 NYCRR Part 375).

CSCO = NYSDEC's Commercial Use Soil Cleanup Objectives (6 NYCRR 375-6)

PGWSCO = NYSDEC's Protection of Groundwater Soil Cleanup Objectives (6 NYCRR 375-6)

The undetected results for benzoic acid have been qualified R in samples based on the lack of recovery of this compound during the associated LCS/LCSD analyses.

Exceeds UUSCO

Exceeds RSCO

Exceeds RRSCO

Exceeds CSCO

Exceeds PGWSCO

Table 5
Groundwater Elevation Monitoring Results

Carman Place Site
157 Main Street, Hempstead, NY

Monitoring Well	Rim Elevation	Top of Well Casing Elevation (NAVD88)	Screened Interval (ft bgs)	Depth to Water (ft)	Groundwater Elevation
MW-1	65.1	64.75	17.65-32.65	23.60	41.15
MW-2	62.07	61.76	17.8-32.80	21.48	40.28
MW-3	64.87	64.46	17.65-32.65	23.88	40.58
MW-4	60.44	60.19	17.7-32.7	19.68	40.51

Notes:

All measurements recorded in feet below top of well casing

DTB: Depth to bottom

DTP: Depth to product

DTW: Depth to water

NP: No Measureble Product Recorded

NAVD88 North American Vertical Datum of 1988 (NAVD88).

Table 6
SRI Groundwater Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	NYS AWQS	MW-1		MW-2		MW-3		MW-4		MW-4 DUPLICATE	
LAB ID:		L2305306-03		L2305062-03		L2305062-02		L2305306-01		L2305306-02	
COLLECTION DATE:		1/31/2023		1/30/2023		1/30/2023		1/31/2023		1/31/2023	
ANALYTE		(ug/l)	Conc.	Q	Conc.	Q	Conc	Q	Conc	Q	Conc
VOLATILE ORGANICS											
1,1,1,2-Tetrachloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1-Dichloropropene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4,5-Tetramethylbenzene	5	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	0.04	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromoethane	0.0006	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.6	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	NC	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	3	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	NC	250	UJ	250	U	250	U	250	UJ	250	UJ
2,2-Dichloropropane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	50	5	U	5	U	5	U	5	U	5	U
2-Hexanone	50	5	UJ	5	U	5	U	5	U	5	U
4-Methyl-2-pentanone	NC	5	U	5	U	5	U	5	U	5	U
Acetone	50	5	U	5	U	5	U	5	U	5	U
Acrylonitrile	5	5	UJ	5	U	5	U	5	UJ	5	UJ
Benzene	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	50	2	U	2	U	2	U	2	U	2	U
Bromomethane	5	2.5	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U
Carbon disulfide	60	5	U	5	UJ	5	UJ	5	U	5	U
Carbon tetrachloride	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroform	7	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,2-Dichloroethene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromomethane	5	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	5	U	5	U	5	U	5	U	5	U
Ethyl ether	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Ethylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	0.5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	10	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	NC	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	NC	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	5	0.36	J	0.54		1.1		0.5	U	0.5	U
Toluene	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	5	2.5	U	2.5	UJ	2.5	UJ	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.4	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
trans-1,4-Dichloro-2-butene	5	2.5	UJ	2.5	U	2.5	U	2.5	UJ	2.5	UJ
Trichloroethene	5	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ	0.5	UJ
Trichlorofluoromethane	5	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Vinyl acetate	NC	5	U	5	U	5	U	5	U	5	U
Vinyl chloride	2	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	NC	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Total TICs	NC	-	-	0	U	0	U	-	-	-	-

All analytical results for groundwater in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

"-" = Not analyzed

NY-AWQS: New York TOGS 1.1.1 Class GA Ambient Water Quality Standards criteria current as of June 2004

Reporting Limit Exceeds NYS Class GA AWQS

Table 6
SRI Groundwater Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	NYS AWQS	MW-1		MW-2		MW-3		MW-4		MW-4 DUPLICATE		
LAB ID:		L2305306-03		L2305062-03		L2305062-02		L2305306-01		L2305306-02		
COLLECTION DATE:		1/31/2023		1/30/2023		1/30/2023		1/31/2023		1/31/2023		
ANALYTE		(ug/l)	Conc.	Q	Conc.	Q	Conc	Q	Conc	Q	Conc	Q
1,4 DIOXANE BY 8270E-SIM												
1,4-Dioxane	0.35	0.361		0.171	J	0.211	J	0.325		0.354		
SEMIVOLATILE ORGANICS												
1,2,4,5-Tetrachlorobenzene	5	10	U	10	U	10	U	10	U	10	U	
1,2,4-Trichlorobenzene	5	5	U	5	U	5	U	5	U	5	U	
1,2-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	
1,3-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	
1,4-Dichlorobenzene	3	2	U	2	U	2	U	2	U	2	U	
2,4,5-Trichlorophenol	NC	5	U	5	U	5	U	5	U	5	U	
2,4,6-Trichlorophenol	NC	5	U	5	U	5	U	5	U	5	U	
2,4-Dichlorophenol	1	5	U	5	U	5	U	5	U	5	U	
2,4-Dimethylphenol	50	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	
2,4-Dinitrophenol	10	20	U	20	U	20	U	20	U	20	U	
2,4-Dinitrotoluene	5	5	U	5	U	5	U	5	U	5	U	
2,6-Dinitrotoluene	5	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	
2-Chlorophenol	NC	2	U	2	U	2	U	2	U	2	U	
2-Methylphenol	NC	5	U	5	U	5	U	5	U	5	U	
2-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	
2-Nitrophenol	NC	10	UJ	10	UJ	10	UJ	10	UJ	10	UJ	
3,3'-Dichlorobenzidine	5	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	
3-Methylphenol/4-Methylphenol	NC	5	U	5	U	5	U	5	U	5	U	
3-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	
4,6-Dinitro-o-cresol	NC	10	U	10	U	10	U	10	U	10	U	
4-Bromophenyl phenyl ether	NC	2	U	2	U	2	U	2	U	2	U	
4-Chloroaniline	5	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	
4-Chlorophenyl phenyl ether	NC	2	U	2	U	2	U	2	U	2	U	
4-Nitroaniline	5	5	U	5	U	5	U	5	U	5	U	
4-Nitrophenol	NC	10	U	10	U	10	U	10	U	10	U	
Acetophenone	NC	5	U	5	U	5	U	5	U	5	U	
Benzoic Acid	NC	50	UJ	50	UJ	50	UJ	50	UJ	50	UJ	
Benzyl Alcohol	NC	2	UJ	2	U	2	U	2	UJ	2	UJ	
Biphenyl	NC	2	U	2	U	2	U	2	U	2	U	
Bis(2-chloroethoxy)methane	5	5	U	5	U	5	U	5	U	5	U	
Bis(2-chloroethyl)ether	1	2	UJ	2	U	2	U	2	UJ	2	UJ	
Bis(2-chloroisopropyl)ether	5	2	U	2	U	2	U	2	U	2	U	
Bis(2-ethylhexyl)phthalate	5	3	U	17		3	U	3	U	3	U	
Butyl benzyl phthalate	50	5	U	5	U	5	U	5	U	5	U	
Carbazole	NC	2	U	2	U	2	U	2	U	2	U	
Di-n-butylphthalate	50	5	U	5	U	5	U	5	U	5	U	
Di-n-octylphthalate	50	5	U	5	U	5	U	5	U	5	U	
Dibenzofuran	NC	2	U	2	U	2	U	2	U	2	U	
Diethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	
Dimethyl phthalate	50	5	U	5	U	5	U	5	U	5	U	
Hexachlorocyclopentadiene	5	20	UJ	20	UJ	20	UJ	20	UJ	20	UJ	
Isophorone	50	5	U	5	U	5	U	5	U	5	U	
n-Nitrosodi-n-propylamine	NC	5	U	5	U	5	U	5	U	5	U	
NDPA/DPA	50	2	U	2	U	2	U	2	U	2	U	
Nitrobenzene	0.4	2	U	2	U	2	U	2	U	2	U	
p-Chloro-m-cresol	NC	2	U	2	U	2	U	2	U	2	U	
Phenol	1	5	UJ	5	U	5	U	5	UJ	5	UJ	
2-Chloronaphthalene	10	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	
2-Methylnaphthalene	NC	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Acenaphthene	20	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Acenaphthylene	NC	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Anthracene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Benzo(a)anthracene	0.002	0.1	U	0.1	U	0.1	U	0.02	UJ	0.1	U	
Benzo(a)pyrene	0	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Benzo(b)fluoranthene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Benzo(ghi)perylene	NC	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Benzo(k)fluoranthene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Chrysene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Dibenzo(a,h)anthracene	NC	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Fluoranthene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Fluorene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Hexachlorobenzene	0.04	0.03	J	0.8	U	0.8	U	0.8	U	0.8	U	
Hexachlorobutadiene	0.5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	
Hexachloroethane	5	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	
Indeno(1,2,3-cd)pyrene	0.002	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Naphthalene	10	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Pentachlorophenol	1	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	
Phenanthrene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	
Pyrene	50	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	

All analytcal results for groundwater in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

"-" = Not analyzed

Benzo(a)anthracene: a measuremnet below the U could not be made due to the high level of background contamination

NY-AWQS: New York TOGS 1.1.1 Class GA Ambient Water Quality Standards criteria current as of June 2004

Reporting Limit Exceeds NYS Class GA AWQS

Concentration Exceeds NYS Glass GA AWQS

Table 6
SRI Groundwater Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	NYS AWQS	MW-1		MW-2		MW-3		MW-4		MW-4 DUPLICATE		
LAB ID:		L2305306-03		L2305062-03		L2305062-02		L2305306-01		L2305306-02		
COLLECTION DATE:		1/31/2023		1/30/2023		1/30/2023		1/31/2023		1/31/2023		
ANALYTE		(ug/l)	Conc.	Q	Conc.	Q	Conc	Q	Conc	Q	Conc	Q
CHLORINATED HERBICIDES BY GC												
2,4,5-T	35	2	U			2	U	2.94	U	2.86	U	
2,4,5-TP (Silvex)		2	U			2	U	2.94	U	2.86	U	
2,4-D	50	10	U			10	U	14.7	U	14.3	U	
ORGANOCHLORINE PESTICIDES												
4,4'-DDD	0.3	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
4,4'-DDE	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
4,4'-DDT	0.2	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
Aldrin	0	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Alpha-BHC	0.01	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Beta-BHC	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Chlordane	0.05	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	
cis-Chlordane	NC	0.013	JIP	0.014	U	0.014	U	0.014	U	0.014	U	
Delta-BHC	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Dieldrin	0.004	0.005	JIP	0.004	J	0.051		0.029	U	0.029	U	
Endosulfan I	NC	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Endosulfan II	NC	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
Endosulfan sulfate	NC	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
Endrin	0	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
Endrin aldehyde	5	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	
Endrin ketone	5	0.029	U	0.029	U	0.004	J	0.029	U	0.029	U	
Heptachlor	0.04	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Heptachlor epoxide	0.03	0.008	J	0.014	U	0.006	J	0.014	U	0.014	U	
Lindane	0.05	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	
Methoxychlor	35	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	
Toxaphene	0.06	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	
trans-Chlordane	NC	0.008	JIP	0.014	U	0.005	J	0.014	U	0.014	U	
POLYCHLORINATED BIPHENYLS BY												
Aroclor 1016	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1221	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1232	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1242	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1248	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1254	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1260	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1262	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
Aroclor 1268	0.09	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	
TOTAL METALS												
Aluminum, Total	NC	186		1260		2290		238		178		
Antimony, Total	3	0.58	J	4	U	0.69	J	4	U	4	U	
Arsenic, Total	25	0.33	J	0.95		1.85		0.23	J	0.19	J	
Barium, Total	1000	80.85		54.24	J	80.47	J	117.8		113.6		
Beryllium, Total	3	0.5	U	0.5	U	0.18	J	0.5	U	0.5	U	
Cadmium, Total	5	0.2	U	0.2	U	0.19	J	0.2	U	0.2	U	
Calcium, Total	NC	51900		27500		41900		34100		32800		
Chromium, Total	50	0.48	J/UJ	1.46	J	3.74	J	0.58	J/UJ	0.4	J/UJ	
Cobalt, Total	NC	0.48	U	2.22	J	2.63	J	0.75	U	0.7	U	
Copper, Total	200	0.84	J/UJ	2.12		4.62		1.16	J/UJ	0.77	J/UJ	
Iron, Total	300	387	J/UJ	2090		3740		335	J/UJ	236	J/UJ	
Lead, Total	25	0.56	J	2.67		12.05		0.51	J	0.39	J	
Magnesium, Total	35000	7070		4600		5060		6150		5820		
Manganese, Total	300	100.8		287.4		369.5		74.18		62.28		
Mercury, Total	0.7	0.2	U	0.2	U	0.1	J	0.1	J	0.1	J	
Nickel, Total	100	1.14	J	2.43	J	4.21	J	1.37	J	1.07	J	
Potassium, Total	NC	5230				4720		3950		3750		
Selenium, Total	10	1.77	J	3.44	J	3.4	J	1.87	J	5	U	
Silver, Total	50	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	
Sodium, Total	20000	126000		80600		87400		184000		180000		
Thallium, Total	0.5		R	2	U	2	U		R	2	U	
Vanadium, Total	NC	5	U	2.35	J	4.74	J	5	U	5	U	
Zinc, Total	2000	10	U	4	J	10.87		10	U	10	U	
PERFLUORINATED ALKYL ACIDS BY EPA 1633												
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	NC	0.00606	UJ	0.00597	U	0.00592	U	0.00588	U	0.00596	U	
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	NC	0.01	J	0.0161		0.204	J	0.0356	J	0.0243	J	
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	NC	0.00152	UJ	0.00149	U	0.00148	U	0.00147	U	0.00149	U	
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	NC	0.00152	U	0.00149	UJ	0.00148	UJ	0.00147	U	0.00149	U	
Perfluorobutanesulfonic Acid (PFBS)	NC	0.0145		0.0197		0.00607		0.00478		0.00521		
Perfluorobutanoic Acid (PFBA)	NC	0.0162		0.00828		0.00948		0.0407		0.0398		
Perfluorodecanesulfonic Acid (PFDS)	NC	0.00152	U	0.00149	U	0.00148	U	0.00147	U	0.00149	U	
Perfluorodecanoic Acid (PFDA)	NC	0.00129	J	0.00723		0.000888	J	0.0287		0.0318		
Perfluorododecanoic Acid (PFDoA)	NC	0.00152	U	0.00149	U	0.00148	U	0.00147	U	0.00149	U	
Perfluoroheptanesulfonic Acid (PFHpS)	NC	0.000606	J	0.00149	U	0.00126	J	0.00786		0.00722		
Perfluoroheptanoic Acid (PFHpA)	NC	0.00992	J	0.00813		0.00763		0.109	J	0.109	J	
Perfluorohexanesulfonic Acid (PFHxS)	NC	0.00273		0.00358		0.00333		0.0391		0.0394		
Perfluorohexanoic Acid (PFHxA)	NC	0.0239		0.016		0.0231	J	0.145		0.144		
Perfluorononanoic Acid (PFNA)	NC	0.00235	J	0.00261		0.00259		0.0351		0.0357		
Perfluorooctanesulfonamide (PFOSA)	NC	0.00152	UJ	0.00149	UJ	0.00148	UJ	0.00147	UJ	0.00149	UJ	
Perfluorooctanesulfonic Acid (PFOS)	0.00001	0.0186		0.0304		0.0338		0.0806		0.074		
Perfluorooctanoic Acid (PFOA)	0.00001	0.0263		0.0193		0.0256		0.328		0.298		
Perfluoropentanoic Acid (PFPeA)	NC	0.0513		0.0116		0.0246		0.157		0.153		
Perfluorotetradecanoic Acid (PFTeDA)	NC	0.00152	U	0.00149	UJ	0.00148	UJ	0.00147	U	0.00149	U	
Perfluorotridecanoic Acid (PFTrDA)	NC	0.00152	U	0.00149	U	0.00148	U	0.00147	U	0.00149	U	
Perfluoroundecanoic Acid (PFUnA)	NC	0.00152	U	0.00082	J	0.00148	U	0.00147	U	0.00149	U	
PFOA/PFOS, Total	NC	0.0449		0.0497		0.0594		0.409		0.372		
GENERAL CHEMISTRY												
Chromium, Trivalent	NC	10	U	10	U	10	U	10	U	10	U	
Chromium, Hexavalent	50	10	U	10	U	10	U	10	U	10	U	
Cyanide, Total	200	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	

All analytical results for groundwater in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

I = The lower value for the two columns has been reported due to obvious interference.

P = The RPD between the results for the two columns exceeds the method-specified criteria.

R = rejected

"-" = Not analyzed

NY-AWQS: New York TOGS 1.1.1 Class GA Ambient Water Quality Standards criteria current as of June 2004

Reporting Limit Exceeds NYS Class GA AWQS

Concentration Exceeds NYS Glass GA AWQS

The thallium concentrations found in groundwater samples MW-1 and MW-4 were rejected because they represent laboratory artifacts.

SVOC TICs have been rejected because they represent laboratory or program artifacts

Table 7
Soil Vapor Sample Analytical Results Summary
Carman Place Site
BCP No. C130250

SAMPLE ID:	NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile (2)	NYSDOH Air Guideline Values	SV-01		SV-02		SV-02 DUP		SV-03		SV-04		SV-04 OA	
LAB ID:			CN41780		CN41784		CN41785		CN41783		CN41781		CN41782	
COLLECTION DATE:			2/13/2023		2/13/2023		2/13/2023		2/13/2023		2/13/2023		2/13/2023	
ANALYTE	ug/m3	ug/m3	ug/m3		ug/m3		ug/m3		ug/m3		ug/m3		ug/m3	
Volatiles (TO15) By TO15														
1,1,1,2-Tetrachloroethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,1-Trichloroethane	20.6	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,2,2-Tetrachloroethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1,2-Trichloroethane	<1.5	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1-Dichloroethane	<0.7	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,1-Dichloroethene	1.4	NC	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
1,2,4-Trichlorobenzene	<6.8	NC	< 1.00	UJ	< 1.00	U	< 1.00	U	< 1.00	UJ	< 1.00	UJ	< 1.00	UJ
1,2,4-Trimethylbenzene	9.5	NC	1.38		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dibromoethane(EDB)	1.5	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichlorobenzene	<1.2	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichloroethane	<0.9	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-dichloropropane	<1.6	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,2-Dichlorotetrafluoroethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,3,5-Trimethylbenzene	3.7	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,3-Butadiene	<3.0	NC	10.3		26.3		26.8		7.94		16.5		< 1.00	U
1,3-Dichlorobenzene	<2.4	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,4-Dichlorobenzene	5.5	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
1,4-Dioxane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
2-Hexanone(MBK)	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Ethyltoluene	3.6	NC	2.01		< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Isopropyltoluene	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
4-Methyl-2-pentanone(MIBK)	NC	NC	3.87		4.42		4.95		4.26		3.6		< 1.00	U
Acetone	98.9	NC	67.4		105		103		48.2		55.3		5.86	
Acrylonitrile	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Benzene	9.4	NC	4.82		7.47		7.47		6.07		5.36		< 1.00	U
Benzyl chloride	<6.8	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromodichloromethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromoform	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Bromomethane	<1.7	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Carbon Disulfide	4.2	NC	4.36		2.6		2.55		< 1.00	U	2.36		< 1.00	U
Carbon Tetrachloride	<1.3	NC	0.37		< 0.20	U	< 0.20	U	0.36		0.34		0.43	
Chlorobenzene	<0.9	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Chloroethane	<1.1	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Chloroform	1.1	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	1.34		< 1.00	U
Chloromethane	3.7	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	1.05	
Cis-1,2-Dichloroethene	<1.9	NC	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
cis-1,3-Dichloropropene	<2.3	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Cyclohexane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Dibromochloromethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Dichlorodifluoromethane	NC	NC	2		1.88		1.93		1.9		2		2.18	
Ethanol	NC	NC	23.2		16.4		14.8		21.7		56.3		6.23	
Ethyl acetate	5.4	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Ethylbenzene	5.7	NC	3.47		8.07		8.29		13.8		2.64		1.35	
Heptane	NC	NC	5.61		29.9		29.7		3.53		6.02		< 1.00	U
Hexachlorobutadiene	<6.8	NC	< 1.00	UJ	< 1.00	U	< 1.00	U	< 1.00	UJ	< 1.00	UJ	< 1.00	UJ
Hexane	NC	NC	6.13		28.8		30.4		2.97		6.62		< 1.00	U
Isopropylalcohol	NC	NC	4.23		3.37		3.22		3.24		4.96		< 1.00	U
Isopropylbenzene	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
m,p-Xylene	NC	NC	10.4		21.7		22.2		54.7		5.08		4.23	
Methyl Ethyl Ketone	NC	NC	22.1		35.4		36.8		16.7		15.1		1.84	
Methyl tert-butyl ether(MTBE)	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Methylene Chloride	10.0	60	< 3.00	U	< 3.00	U	< 3.00	U	< 3.00	U	< 3.00	U	< 3.00	U
n-Butylbenzene	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
o-Xylene	7.9	NC	2.69		6.21		6.25		14.4		1.38		1.18	
Propylene	NC	NC	65.4		205		258		20.3		119		< 1.00	U
sec-Butylbenzene	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Styrene	1.9	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Tetrachloroethene	15.9	30	0.78		1.46		1.46		0.58		11.1		< 0.25	U
Tetrahydrofuran	NC	NC	3.39		2.57		3.21		1.81		1.25		< 1.00	U
Toluene	43.0	NC	16.5		21.2		21.6		10.2		7.31		2.95	
Trans-1,2-Dichloroethene	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
trans-1,3-Dichloropropene	<1.3	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Trichloroethene	4.2	2	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U
Trichlorofluoromethane	NC	NC	1.03		1.23		1.31		1.01		< 1.00	U	1.02	
Trichlorotrifluoroethane	NC	NC	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U	< 1.00	U
Vinyl Chloride	<1.9	NC	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U	< 0.20	U

All analytcal results for groundwater in micrograms per meter cubed (ug/m3)
U = The compound was anlyazed for but not detected at or above the MDL. The number immediately preceding the "U" represents the PQL reporting level corrected for percent solids, weight and/or volume calculations, and dilution factors.
Exceeds NYSDOH Guidance Table C2. USEPA BASE Database - 90th Percentile (2)

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	FIELD BLANK SOIL SRI		EQUIPMENT FIELD BLANK SOIL SRI		EQUIPMENT BLANK Groundwater		EQUIPMENT BLANK Soil SRI		EQUIPMENT BLANK SOIL		EQUIPMENT BLANK Northeastern Lots		
LAB ID:	L2304560-07		L2304756-14		L2305062-01		L2305942-31		L2306379-31		L2306464-14		
COLLECTION DATE:	1/26/2023		1/27/2023		1/30/2023		2/2/2023		2/6/2023		2/7/2023		
ANALYTE													
VOLATILE ORGANICS													
1,1,1,2-Tetrachloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,1,1-Trichloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
1,1,2-Trichloroethane	1.5	UJ	1.5	UJ	1.5	U	1.5	U	1.5	U		R	
1,1-Dichloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ		R	
1,1-Dichloropropene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2,3-Trichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2,3-Trichloropropane	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	UJ		R	
1,2,4,5-Tetramethylbenzene	2	U	2	U	2	U	2	U	2	U		R	
1,2,4-Trichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2,4-Trimethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2-Dibromo-3-chloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ		R	
1,2-Dibromoethane	2	U	2	U	2	U	2	U	2	U		R	
1,2-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
1,2-Dichloroethene, Total	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,2-Dichloropropane	1	U	1	U	1	U	1	U	1	U		R	
1,3,5-Trimethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,3-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,3-Dichloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,3-Dichloropropene, Total	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
1,4-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
1,4-Dioxane	250	U	250	U	250	U	250	U	250	U		R	
2,2-Dichloropropane	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U		R	
2-Butanone	5	U	5	U	5	U	5	UJ	5	UJ		R	
2-Hexanone	5	U	5	U	5	U	5	UJ	5	U		R	
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U		R	
Acetone	5	UJ	5	UJ	5	U	5	UJ	5	U		R	
Acrylonitrile	5	U	5	U	5	U	5	UJ	5	U		R	
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Bromobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Bromochloromethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Bromoform	2	UJ	2	UJ	2	U	2	U	2	U		R	
Bromomethane	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	UJ		R	
Carbon disulfide	5	U	5	U	5	U	5	UJ	5	UJ		R	
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Chlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Chloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ		R	
Chloroform	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Chloromethane	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U		R	
cis-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Dibromochloromethane	0.5	UJ	0.5	UJ	0.5	U	0.5	U	0.5	UJ		R	
Dibromomethane	5	U	5	U	5	U	5	U	5	U		R	
Dichlorodifluoromethane	5	U	5	U	5	U	5	U	5	UJ		R	
Ethyl ether	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ		R	
Ethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Hexachlorobutadiene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Isopropylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Methyl tert butyl ether	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Methylene chloride	2.5	UJ	2.5	UJ	2.5	U	2.5	U	2.5	U		R	
n-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
n-Propylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Naphthalene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
o-Chlorotoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
o-Xylene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
p-Chlorotoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
p-Diethylbenzene	2	U	2	U	2	U	2	U	2	U		R	
p-Ethyltoluene	2	U	2	U	2	U	2	U	2	U		R	
p-Isopropyltoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
p/m-Xylene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
sec-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Styrene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
tert-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Toluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
trans-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ		R	
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	2.5	U	2.5		2.5	UJ		R	
Trichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U		R	
Trichlorofluoromethane	2.5	UJ	2.5	U	2.5	U	2.5	U	2.5	UJ		R	
Vinyl acetate	5	U	5	U	5	U	5	UJ	5	U		R	
Vinyl chloride	1	U	1	U	1	U	1	U	1	U		R	
Xylenes, Total	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U		R	

All analytical results in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

All VOC parameters for Equipment Blank Northeastern lots were rejected due to the sample containing headspace.

Analyte detected

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	FIELD BLANK SOIL SRI		EQUIPMENT FIELD BLANK SOIL SRI		EQUIPMENT BLANK Groundwater		EQUIPMENT BLANK Soil SRI		EQUIPMENT BLANK SOIL		EQUIPMENT BLANK Northeastern Lots	
LAB ID:	L2304560-07		L2304756-14		L2305062-01		L2305942-31		L2306379-31		L2306464-14	
COLLECTION DATE:	1/26/2023		1/27/2023		1/30/2023		2/2/2023		2/6/2023		2/7/2023	
ANALYTE												
1,4 DIOXANE BY 8270E-SIM												
1,4-Dioxane	0.144	U	-	-	0.147	U	0.0475	NJ	-	-	0.139	U
SEMIVOLATILE ORGANICS												
1,2,4,5-Tetrachlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5	U	5	U	5	U	5	U	5	U	5	U
1,2-Dichlorobenzene	2	U	2	U	2	U	2	U	2	U	2	U
1,3-Dichlorobenzene	2	U	2	U	2	U	2	U	2	U	2	U
1,4-Dichlorobenzene	2	U	2	U	2	U	2	U	2	U	2	U
2,4,5-Trichlorophenol	5	U	5	U	5	U	5	UJ	5	U	5	UJ
2,4,6-Trichlorophenol	5	U	5	U	5	U	5	UJ	5	U	5	UJ
2,4-Dichlorophenol	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dimethylphenol	5	U	5	U	5	U	5	U	5	U	5	U
2,4-Dinitrophenol	20	UJ	20	UJ	20	U	20	UJ	20	U	20	U
2,4-Dinitrotoluene	5	U	5	U	5	U	5	U	5	UJ	5	U
2,6-Dinitrotoluene	5	U	5	U	5	U	5	UJ	5	UJ	5	U
2-Chlorophenol	2	U	2	U	2	U	2	U	2	U	2	U
2-Methylphenol	5	U	5	U	5	U	5	U	5	U	5	U
2-Nitroaniline	5	U	5	U	5	U	5	U	5	UJ	5	UJ
2-Nitrophenol	10	UJ	10	UJ	10	U	10	UJ	10	U	10	UJ
3,3'-Dichlorobenzidine	5	U	5	U	5	U	5	U	5	U	5	UJ
3-Methylphenol/4-Methylphenol	5	U	5	U	5	U	5	U	5	U	5	U
3-Nitroaniline	5	U	5	U	5	U	5	U	5	UJ	5	U
4,6-Dinitro-o-cresol	10	UJ	10	UJ	10	U	10	UJ	10	UJ	10	U
4-Bromophenyl phenyl ether	2	U	2	U	2	U	2	U	2	U	2	U
4-Chloroaniline	5	U	5	U	5	U	5	U	5	U	5	UJ
4-Chlorophenyl phenyl ether	2	U	2	U	2	U	2	U	2	U	2	U
4-Nitroaniline	5	U	5	U	5	U	5	U	5	UJ	5	UJ
4-Nitrophenol	10	U	10	U	10	U	10	U	10	U	10	U
Acetophenone	5	U	5	U	5	U	5	U	5	U	5	U
Benzoic Acid	50	U	50	U	50	U	50	UJ	50	UJ	50	U
Benzyl Alcohol	2	U	2	U	2	U	2	U	2	U	2	U
Biphenyl	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroethoxy)methane	5	U	5	U	5	U	5	U	5	U	5	U
Bis(2-chloroethyl)ether	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-chloroisopropyl)ether	2	U	2	U	2	U	2	U	2	U	2	U
Bis(2-ethylhexyl)phthalate	3	U	3	U	3	U	3	U	3	U	3	U
Butyl benzyl phthalate	5	U	5	U	5	U	5	U	5	U	5	U
Carbazole	2	U	2	U	2	U	2	U	2	U	2	UJ
Di-n-butylphthalate	5	U	5	U	5	U	5	U	5	U	5	U
Di-n-octylphthalate	5	U	5	U	5	U	5	U	5	U	5	U
Dibenzofuran	2	U	2	U	2	U	2	U	2	U	2	U
Diethyl phthalate	5	U	5	U	5	U	5	U	5	U	5	U
Dimethyl phthalate	5	U	5	U	5	U	5	U	5	U	5	U
Hexachlorocyclopentadiene	20	U	20	U	20	U	20	UJ	20	U	20	U
Isophorone	5	U	5	U	5	U	5	U	5	U	5	U
n-Nitrosodi-n-propylamine	5	U	5	U	5	U	5	U	5	U	5	U
NDPA/DPA	2	U	2	U	2	U	2	U	2	U	2	U
Nitrobenzene	2	U	2	U	2	U	2	U	2	UJ	2	U
p-Chloro-m-cresol	2	U	2	U	2	U	2	U	2	U	2	U
Phenol	5	U	5	U	5	U	5	U	5	U	5	U
2-Chloronaphthalene	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
2-Methylnaphthalene	0.1	U	0.1	U	0.1	U	0.1	U	0.04	J	0.1	U
Acenaphthene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Acenaphthylene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Anthracene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Benzo(a)anthracene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Benzo(a)pyrene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(b)fluoranthene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(ghi)perylene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Benzo(k)fluoranthene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chrysene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Dibenzo(a,h)anthracene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Fluoranthene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Fluorene	0.1	U	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U
Hexachlorobenzene	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Hexachlorobutadiene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Hexachloroethane	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Indeno(1,2,3-cd)pyrene	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Naphthalene	0.1	U	0.1	U	0.1	U	0.1	U	0.05	J	0.1	U
Pentachlorophenol	0.8	UJ	0.8	U	0.8	U	0.8	U	0.8	U	0.8	U
Phenanthrene	0.1	U	0.1	U	0.1	U	0.03	J	0.03	J	0.1	U
Pyrene	0.1	U	0.1	U	0.1	U	0.02	J	0.1	U	0.1	U
Total TICs	-	-	-	-	116	J	-	-	-	-	-	-

All analytical results in micrograms per liter (ug/L).

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NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

"-" = Sample not analyzed for this parameter

J = The concentration given is an approximate value.

Analyte detected

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	FIELD BLANK SOIL SRI		EQUIPMENT FIELD BLANK SOIL SRI		EQUIPMENT BLANK Groundwater		EQUIPMENT BLANK Soil SRI		EQUIPMENT BLANK SOIL		EQUIPMENT BLANK Northeastern Lots	
LAB ID:	L2304560-07		L2304756-14		L2305062-01		L2305942-31		L2306379-31		L2306464-14	
COLLECTION DATE:	1/26/2023		1/27/2023		1/30/2023		2/2/2023		2/6/2023		2/7/2023	
ANALYTE												
CHLORINATED HERBICIDES BY GC												
2,4,5-T	-	-	4	U	2	U	2	U	4.44	UJ	-	-
2,4,5-TP (Silvex)	-	-	4	U	2	U	2	U	4.44	U	-	-
2,4-D	-	-	20	U	10	U	10	U	22.2	U	-	-
ORGANOCHLORINE PESTICIDES												
4,4'-DDD	0.029	UJ	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDD	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
4,4'-DDT	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Aldrin	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Alpha-BHC	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Beta-BHC	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Chlordane	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U	0.143	U
cis-Chlordane	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Delta-BHC	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Dieldrin	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan I	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Endosulfan II	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endosulfan sulfate	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin aldehyde	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Endrin ketone	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U	0.029	U
Heptachlor	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Heptachlor epoxide	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Lindane	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
Methoxychlor	0.143	UJ	0.143	UJ	0.143	U	0.143	U	0.143	U	0.143	U
Toxaphene	0.143	U	0.143	UJ	0.143	U	0.143	U	0.143	U	0.143	U
trans-Chlordane	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U	0.014	U
POLYCHLORINATED BIPHENYLS BY												
Aroclor 1016	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1221	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1232	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1242	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1248	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1254	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1260	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1262	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
Aroclor 1268	0.071	U	0.071	U	0.071	U	0.071	U	0.071	U	0.071	UJ
TOTAL METALS												
Aluminum, Total	5.08	J	4.32	J	35		10	U	10	UJ	4.74	J
Antimony, Total	4	U	4	UJ	4	U	0.64	U	4	U	4	U
Arsenic, Total	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Barium, Total	0.5	U	0.5	UJ	0.61	J	0.5	U	0.5	U	0.5	U
Beryllium, Total	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Cadmium, Total	0.2	U	0.2	UJ	0.2	U	0.2	U	0.2	U	0.2	U
Calcium, Total	100	U	100	UJ	43.8	J	100	U	100	U	72.5	J
Chromium, Total	1	U	1	UJ	1	U	1	U	1	U	1	U
Cobalt, Total	0.5	U	0.5	UJ	0.5	U	0.5	U	0.5	U	0.5	U
Copper, Total	1.16		1	UJ	0.43	J	1	U	1	U	0.49	J
Iron, Total	21.2	UJ	50	UJ	130		50	U	50	U	22.3	J
Lead, Total	1	U	1	UJ	1	U	1	U	1	U	1	U
Magnesium, Total	70	U	70	UJ	70	U	70	U	70	U	70	U
Manganese, Total	1	U	1	UJ	3.15		1	U	1	U	1	U
Mercury, Total	0.2	U	0.2	UJ	0.2	U	0.2	U	0.2	U	-	
Nickel, Total	1.65	J	2	UJ	2	U	2	U	2	U	2	U
Potassium, Total	100	U	100	UJ	42.4	J	100	U	100	U	100	U
Selenium, Total	5	U	5	UJ	5	U	5	U	5	U	5	U
Silver, Total	0.4	U	0.4	UJ	0.4	U	0.4	U	0.4	U	0.4	U
Sodium, Total	100	U	50.1	J+	30	J	100	U	100	U	49.6	J
Thallium, Total	0.14	UJ	0.17	J+	2	U	0.79	U	0.19	J-	2	U
Vanadium, Total	5	U	5	UJ	5	U	5	U	5	U	5	U
Zinc, Total	10	U	10	UJ	10	U	10	U	10	U	10	U
PERFLUORINATED ALKYL ACIDS BY EPA 1633												
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	0.00619	U	-	-	0.00592	U	-	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.00619	U	-	-	0.00592	U	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)	0.00619	U	-	-	0.00592	U	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorooctanesulfonamide (PFOSA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorooctanoic Acid (PFOA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)	0.0031	U	-	-	0.00296	U	-	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTeDA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluorotridecanoic Acid (PFTTrDA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
PFOA/PFOS, Total	0.00155	U	-	-	0.00148	U	-	-	-	-	-	-
GENERAL CHEMISTRY												
Chromium, Trivalent	10	U	10	U	10	U	10	U	10	U	10	U
Chromium, Hexavalent	4	J	4	J	10	U	10	U	10	U	10	U
Cyanide, Total	5	U	5	U	5	U	5	U	5	U	5	U

All analytical results in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

"-" = Sample not analyzed for this parameter

J = The concentration given is an approximate value.

R = Rejected

The VOC results were rejected in sample Equipment Blank Northeastern lots due to the sample vials having head space

Analyte detected

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK	
LAB ID:	L2304560-09		L2304756-10		L2305306-04		L2305942-32		L2306379-30	
COLLECTION DATE:	1/26/2023		1/27/2023		1/31/2023		2/2/2023		2/6/2023	
ANALYTE										
VOLATILE ORGANICS										
1,1,1,2-Tetrachloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,1-Trichloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1,2,2-Tetrachloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,1,2-Trichloroethane	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
1,1-Dichloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,1-Dichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
1,1-Dichloropropene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,3-Trichloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2,4,5-Tetramethylbenzene	2	U	2	U	2	U	2	U	2	U
1,2,4-Trichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2,4-Trimethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dibromo-3-chloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
1,2-Dibromoethane	2	U	2	U	2	U	2	U	2	U
1,2-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloroethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,2-Dichloroethene, Total	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,2-Dichloropropane	1	U	1	U	1	U	1	U	1	U
1,3,5-Trimethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,3-Dichloropropene, Total	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
1,4-Dichlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
1,4-Dioxane	250	U	250	U	250	U	250	U	250	U
2,2-Dichloropropane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
2-Butanone	5	U	5	U	5	U	5	UJ	5	UJ
2-Hexanone	5	U	5	U	5	U	5	UJ	5	U
4-Methyl-2-pentanone	5	U	5	U	5	U	5	U	5	U
Acetone	5	UJ	5	U	5	U	5	UJ	5	U
Acrylonitrile	5	U	5	U	5	U	5	UJ	5	U
Benzene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromochloromethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Bromodichloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Bromoform	2	U	2	U	2	U	2	U	2	U
Bromomethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Carbon disulfide	5	U	5	U	5	U	5	UJ	5	UJ
Carbon tetrachloride	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Chlorobenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloroethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Chloroform	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Chloromethane	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	U
cis-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
cis-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Dibromochloromethane	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
Dibromomethane	5	U	5	U	5	U	5	U	5	U
Dichlorodifluoromethane	5	U	5	U	5	U	5	U	5	UJ
Ethyl ether	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Ethylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Hexachlorobutadiene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Isopropylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methyl tert butyl ether	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Methylene chloride	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
n-Propylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Naphthalene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Chlorotoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
o-Xylene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Chlorotoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p-Diethylbenzene	2	U	2	U	2	U	2	U	2	U
p-Ethyltoluene	2	U	2	U	2	U	2	U	2	U
p-Isopropyltoluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
p/m-Xylene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
sec-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Styrene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
tert-Butylbenzene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
Tetrachloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Toluene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,2-Dichloroethene	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U
trans-1,3-Dichloropropene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	UJ
trans-1,4-Dichloro-2-butene	2.5	U	2.5	U	2.5	U	2.5	UJ	2.5	UJ
Trichloroethene	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Trichlorofluoromethane	2.5	U	2.5	U	2.5	U	2.5	U	2.5	UJ
Vinyl acetate	5	U	5	U	5	U	5	UJ	5	U
Vinyl chloride	1	U	1	U	1	U	1	U	1	U
Xylenes, Total	2.5	U	2.5	U	2.5	U	2.5	U	2.5	U

All analytcal results in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

J = The concentration given is an approximate value.

All VOC parameters for Equipment Blank Northeastern lots were rejected due to

Analyte detected

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK	
LAB ID:	L2304560-09		L2304756-10		L2305306-04		L2305942-32		L2306379-30	
COLLECTION DATE:	1/26/2023		1/27/2023		1/31/2023		2/2/2023		2/6/2023	
ANALYTE										
1,4 DIOXANE BY 8270E-SIM										
1,4-Dioxane	-	-	-	-	-	-	-	-	-	-
SEMIVOLATILE ORGANICS										
1,2,4,5-Tetrachlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	-	-	-	-	-	-	-	-	-	-
2,4,5-Trichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dichlorophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dimethylphenol	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrophenol	-	-	-	-	-	-	-	-	-	-
2,4-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-
2,6-Dinitrotoluene	-	-	-	-	-	-	-	-	-	-
2-Chlorophenol	-	-	-	-	-	-	-	-	-	-
2-Methylphenol	-	-	-	-	-	-	-	-	-	-
2-Nitroaniline	-	-	-	-	-	-	-	-	-	-
2-Nitrophenol	-	-	-	-	-	-	-	-	-	-
3,3'-Dichlorobenzidine	-	-	-	-	-	-	-	-	-	-
3-Methylphenol/4-Methylphenol	-	-	-	-	-	-	-	-	-	-
3-Nitroaniline	-	-	-	-	-	-	-	-	-	-
4,6-Dinitro-o-cresol	-	-	-	-	-	-	-	-	-	-
4-Bromophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-
4-Chloroaniline	-	-	-	-	-	-	-	-	-	-
4-Chlorophenyl phenyl ether	-	-	-	-	-	-	-	-	-	-
4-Nitroaniline	-	-	-	-	-	-	-	-	-	-
4-Nitrophenol	-	-	-	-	-	-	-	-	-	-
Acetophenone	-	-	-	-	-	-	-	-	-	-
Benzoic Acid	-	-	-	-	-	-	-	-	-	-
Benzyl Alcohol	-	-	-	-	-	-	-	-	-	-
Biphenyl	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethoxy)methane	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroethyl)ether	-	-	-	-	-	-	-	-	-	-
Bis(2-chloroisopropyl)ether	-	-	-	-	-	-	-	-	-	-
Bis(2-ethylhexyl)phthalate	-	-	-	-	-	-	-	-	-	-
Butyl benzyl phthalate	-	-	-	-	-	-	-	-	-	-
Carbazole	-	-	-	-	-	-	-	-	-	-
Di-n-butylphthalate	-	-	-	-	-	-	-	-	-	-
Di-n-octylphthalate	-	-	-	-	-	-	-	-	-	-
Dibenzofuran	-	-	-	-	-	-	-	-	-	-
Diethyl phthalate	-	-	-	-	-	-	-	-	-	-
Dimethyl phthalate	-	-	-	-	-	-	-	-	-	-
Hexachlorocyclopentadiene	-	-	-	-	-	-	-	-	-	-
Isophorone	-	-	-	-	-	-	-	-	-	-
n-Nitrosodi-n-propylamine	-	-	-	-	-	-	-	-	-	-
NDPA/DPA	-	-	-	-	-	-	-	-	-	-
Nitrobenzene	-	-	-	-	-	-	-	-	-	-
p-Chloro-m-cresol	-	-	-	-	-	-	-	-	-	-
Phenol	-	-	-	-	-	-	-	-	-	-
2-Chloronaphthalene	-	-	-	-	-	-	-	-	-	-
2-Methylnaphthalene	-	-	-	-	-	-	-	-	-	-
Acenaphthene	-	-	-	-	-	-	-	-	-	-
Acenaphthylene	-	-	-	-	-	-	-	-	-	-
Anthracene	-	-	-	-	-	-	-	-	-	-
Benzo(a)anthracene	-	-	-	-	-	-	-	-	-	-
Benzo(a)pyrene	-	-	-	-	-	-	-	-	-	-
Benzo(b)fluoranthene	-	-	-	-	-	-	-	-	-	-
Benzo(ghi)perylene	-	-	-	-	-	-	-	-	-	-
Benzo(k)fluoranthene	-	-	-	-	-	-	-	-	-	-
Chrysene	-	-	-	-	-	-	-	-	-	-
Dibenzo(a,h)anthracene	-	-	-	-	-	-	-	-	-	-
Fluoranthene	-	-	-	-	-	-	-	-	-	-
Fluorene	-	-	-	-	-	-	-	-	-	-
Hexachlorobenzene	-	-	-	-	-	-	-	-	-	-
Hexachlorobutadiene	-	-	-	-	-	-	-	-	-	-
Hexachloroethane	-	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	-	-	-	-	-	-	-	-	-	-
Naphthalene	-	-	-	-	-	-	-	-	-	-
Pentachlorophenol	-	-	-	-	-	-	-	-	-	-
Phenanthrene	-	-	-	-	-	-	-	-	-	-
Pyrene	-	-	-	-	-	-	-	-	-	-
Total TICs	-	-	-	-	-	-	-	-	-	-

All analytical results in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

"-" = Sample not analyzed for this parameter

J = The concentration given is an approximate value.

Analyte detected

Table 8
QA/QC Sample Analytical Results Summary
Carman Place Site
BCP No. C130250



SAMPLE ID:	TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK SRI		TRIP BLANK		
LAB ID:	L2304560-09		L2304756-10		L2305306-04		L2305942-32		L2306379-30		
COLLECTION DATE:	1/26/2023		1/27/2023		1/31/2023		2/2/2023		2/6/2023		
ANALYTE											
CHLORINATED HERBICIDES BY GC											
2,4,5-T	-	-	-	-	-	-	-	-	-	-	-
2,4,5-TP (Silvex)	-	-	-	-	-	-	-	-	-	-	-
2,4-D	-	-	-	-	-	-	-	-	-	-	-
ORGANOCHLORINE PESTICIDES											
4,4'-DDD	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDD	-	-	-	-	-	-	-	-	-	-	-
4,4'-DDT	-	-	-	-	-	-	-	-	-	-	-
Aldrin	-	-	-	-	-	-	-	-	-	-	-
Alpha-BHC	-	-	-	-	-	-	-	-	-	-	-
Beta-BHC	-	-	-	-	-	-	-	-	-	-	-
Chlordane	-	-	-	-	-	-	-	-	-	-	-
cis-Chlordane	-	-	-	-	-	-	-	-	-	-	-
Delta-BHC	-	-	-	-	-	-	-	-	-	-	-
Dieldrin	-	-	-	-	-	-	-	-	-	-	-
Endosulfan I	-	-	-	-	-	-	-	-	-	-	-
Endosulfan II	-	-	-	-	-	-	-	-	-	-	-
Endosulfan sulfate	-	-	-	-	-	-	-	-	-	-	-
Endrin	-	-	-	-	-	-	-	-	-	-	-
Endrin aldehyde	-	-	-	-	-	-	-	-	-	-	-
Endrin ketone	-	-	-	-	-	-	-	-	-	-	-
Heptachlor	-	-	-	-	-	-	-	-	-	-	-
Heptachlor epoxide	-	-	-	-	-	-	-	-	-	-	-
Lindane	-	-	-	-	-	-	-	-	-	-	-
Methoxychlor	-	-	-	-	-	-	-	-	-	-	-
Toxaphene	-	-	-	-	-	-	-	-	-	-	-
trans-Chlordane	-	-	-	-	-	-	-	-	-	-	-
POLYCHLORINATED BIPHENYLS BY											
Aroclor 1016	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1221	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1232	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1242	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1248	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1254	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1260	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1262	-	-	-	-	-	-	-	-	-	-	-
Aroclor 1268	-	-	-	-	-	-	-	-	-	-	-
TOTAL METALS											
Aluminum, Total	-	-	-	-	-	-	-	-	-	-	-
Antimony, Total	-	-	-	-	-	-	-	-	-	-	-
Arsenic, Total	-	-	-	-	-	-	-	-	-	-	-
Barium, Total	-	-	-	-	-	-	-	-	-	-	-
Beryllium, Total	-	-	-	-	-	-	-	-	-	-	-
Cadmium, Total	-	-	-	-	-	-	-	-	-	-	-
Calcium, Total	-	-	-	-	-	-	-	-	-	-	-
Chromium, Total	-	-	-	-	-	-	-	-	-	-	-
Cobalt, Total	-	-	-	-	-	-	-	-	-	-	-
Copper, Total	-	-	-	-	-	-	-	-	-	-	-
Iron, Total	-	-	-	-	-	-	-	-	-	-	-
Lead, Total	-	-	-	-	-	-	-	-	-	-	-
Magnesium, Total	-	-	-	-	-	-	-	-	-	-	-
Manganese, Total	-	-	-	-	-	-	-	-	-	-	-
Mercury, Total	-	-	-	-	-	-	-	-	-	-	-
Nickel, Total	-	-	-	-	-	-	-	-	-	-	-
Potassium, Total	-	-	-	-	-	-	-	-	-	-	-
Selenium, Total	-	-	-	-	-	-	-	-	-	-	-
Silver, Total	-	-	-	-	-	-	-	-	-	-	-
Sodium, Total	-	-	-	-	-	-	-	-	-	-	-
Thallium, Total	-	-	-	-	-	-	-	-	-	-	-
Vanadium, Total	-	-	-	-	-	-	-	-	-	-	-
Zinc, Total	-	-	-	-	-	-	-	-	-	-	-
PERFLUORINATED ALKYL ACIDS BY EPA 1633											
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	-	-	-	-	-	-	-	-	-	-	-
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	-	-	-	-	-	-	-	-	-	-	-
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	-	-	-	-	-	-	-	-	-	-	-
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanesulfonic Acid (PFBS)	-	-	-	-	-	-	-	-	-	-	-
Perfluorobutanoic Acid (PFBA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanesulfonic Acid (PFDS)	-	-	-	-	-	-	-	-	-	-	-
Perfluorodecanoic Acid (PFDA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorododecanoic Acid (PFDoA)	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanesulfonic Acid (PFHpS)	-	-	-	-	-	-	-	-	-	-	-
Perfluoroheptanoic Acid (PFHpA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanesulfonic Acid (PFHxS)	-	-	-	-	-	-	-	-	-	-	-
Perfluorohexanoic Acid (PFHxA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorononanoic Acid (PFNA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanesulfonamide (PFOSA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanesulfonic Acid (PFOS)	-	-	-	-	-	-	-	-	-	-	-
Perfluorooctanoic Acid (PFOA)	-	-	-	-	-	-	-	-	-	-	-
Perfluoropentanoic Acid (PFPeA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorotetradecanoic Acid (PFTeDA)	-	-	-	-	-	-	-	-	-	-	-
Perfluorotridecanoic Acid (PFTrDA)	-	-	-	-	-	-	-	-	-	-	-
Perfluoroundecanoic Acid (PFUnA)	-	-	-	-	-	-	-	-	-	-	-
PFOA/PFOS, Total	-	-	-	-	-	-	-	-	-	-	-
GENERAL CHEMISTRY											
Chromium, Trivalent	-	-	-	-	-	-	-	-	-	-	-
Chromium, Hexavalent	-	-	-	-	-	-	-	-	-	-	-
Cyanide, Total	-	-	-	-	-	-	-	-	-	-	-

All analytcal results in micrograms per liter (ug/L).

Q = Laboratory Qualifier

NC = No criteria established for this cont

U = Not detected at the reported detection limit for the sample.

"-" = Sample not analyzed for this parameter

J = The concentration given is an approximate value.

R = Rejected

The VOC results were rejected in sample Equipment Blank Northeastern lots du

Analyte detected

Table 9A
Historic SVI Analytical Results NYSDOH Soil
Vapor/Indoor Air Matrix A Comparison
Carman Place Site
BCP No. C130250

Trichloroethene (TCE)			
SS-1 (50.9 mcg/m3) / IA-1 (ND)			
	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	NFA	NFA	ISR or MTG
6 to < 60	NFA	MNTR	MTG
60 and above	MTG	MTG	MTG

Carbon Tetrachloride			
SS-1 (ND) / IA-1 (0.51 mcg/m3)			
	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	NFA	NFA	ISR or MTG
6 to < 60	NFA	MNTR	MTG
60 and above	MTG	MTG	MTG

cis 1,2-DCE			
SS-1 (ND) / IA-1 (ND)			
	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	NFA	NFA	ISR or MTG
6 to < 60	NFA	MNTR	MTG
60 and above	MTG	MTG	MTG

1,1-DCE			
SS-1 (ND) / IA-1 (ND)			
	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	NFA	NFA	ISR or MTG
6 to < 60	NFA	MNTR	MTG
60 and above	MTG	MTG	MTG

Table 9B
Historic SVI Analytical Results NYSDOH Soil
Vapor/Indoor Air Matrix B Comparison
Carman Place Site
BCP No. C130250

Tetrachloroethene (PCE)			
SS-1 (382 mcg/m3) / IA-1 (0.271 mcg/m3)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

1,1,1-TCA			
SS-1 (5.21 mcg/m3) / IA-1 (ND)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

Methylene Chloride			
SS-1 (ND) / IA-1 (3.21 mcg/m3)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

Tetrachloroethene (PCE)			
SS-111 (ND) / IA-111 (0.583 mcg/m3)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

Methylene Chloride			
SS-111 (6.57 mcg/m3) / IA-111 (ND)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

1,1,1-TCA			
SS-111 (ND) / IA-111 (ND)			
INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)			
SUB-SLAB VAPOR	< 3	3 to < 10	10 and above
< 100	NFA	NFA	ISR or MTG
100 to < 1,000	NFA	MNTR	MTG
1,000 and above	MTG	MTG	MTG

Table 9C
Historic SVI Analytical Results NYSDOH Soil
Vapor/Indoor Air Matrix C Comparison
Carman Place Site
BCP No. C130250

Vinyl Chloride		
SS-1 (ND) /IA-1 (ND)		
	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1
< 6	NFA	NFA
6 to < 60	NFA	MNTR
60 and above	MTG	MTG

Vinyl Chloride		
SS-111 (ND) /IA-111 (ND)		
	INDOOR AIR CONCENTRATION of COMPOUND	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1
< 6	NFA	ISR or MTG
6 to < 60	MNTR	MTG
60 and above	MTG	MTG

Table 9D
Historic Sub-Slab/Indoor Air Sample
Results Carman Place Site
BCP No. C130250

Sample Location	EPA VISL - Residential Target Indoor Air Concentration (2)	EPA VISLs - Residential Target Sub-Slab & Exterior Soil Vapor Concentration (1)	NYSDOH Air Guidance Values (3)	Lot 131						Lot 111					
LOCATION				IA-1		OA-1		SS-1		IA-111		OA-111		SS-111	
SAMPLING DATE				4/26/2019		4/26/2019		4/26/2019		7/10/2019		7/10/2019		7/10/2019	
LAB SAMPLE ID				L1917489-02		L1917489-03		L1917489-01		L1930287-02		L1930287-03		L1930287-01	
SAMPLE TYPE				Indoor Air		Outdoor Air		Sub-Slab Vapor		Indoor Air		Outdoor Air		Sub-Slab Vapor	
	Indoor Air	Sub-Slab /Exterior		Results	Q	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
Volatile Organics in Air (ug/m3)															
1,1,1-Trichloroethane	5200	170000	NC	-	-	-	-	5.21	-	-	-	-	-	1.09	U
1,1,2,2-Tetrachloroethane	0.048	1.6	NC	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U	1.37	U
1,1,2-Trichloroethane	0.18	5.8	NC	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U	1.09	U
1,1-Dichloroethane	1.8	58	NC	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
1,1-Dichloroethene	210	7000	NC	-	-	-	-	0.793	U	-	-	-	-	0.793	U
1,2,4-Trichlorobenzene	2.1	70	NC	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U	1.48	U
1,2,4-Trimethylbenzene	63	2100	NC	0.983	U	0.983	U	3.23	-	17.2	-	2.34	-	1.76	-
1,2-Dibromoethane	0.0047	0.16	NC	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U	1.54	U
1,2-Dichlorobenzene	210	7000	NC	1.2	U	1.2	U	1.2	U	1.2	U	1.39	-	1.2	U
1,2-Dichloroethane	0.11	3.6	NC	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U	0.809	U
1,2-Dichloropropane	0.76	25	NC	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U	0.924	U
1,3,5-Trimethylbenzene	63	2100	NC	0.983	U	0.983	U	0.983	U	6.39	-	0.983	U	0.983	U
1,3-Butadiene	0.094	3.1	NC	0.442	U	0.442	U	0.442	U	0.442	U	0.442	U	3.23	-
1,3-Dichlorobenzene	NC	NC	NC	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	3.05	-
1,4-Dichlorobenzene	0.26	8.5	NC	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dioxane	0.56	19	NC	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
2,2,4-Trimethylpentane	NC	NC	NC	0.934	U	0.934	U	0.934	U	0.934	U	0.934	U	0.953	-
2-Butanone	5200	170000	NC	2.72	-	1.47	U	9.08	-	1.92	-	5.99	-	5.84	-
2-Hexanone	31	1000	NC	0.82	U	0.82	U	5.7	-	0.82	U	0.82	U	0.82	U
3-Chloropropene	0.47	16	NC	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U	0.626	U
4-Ethyltoluene	NC	NC	NC	0.983	U	0.983	U	0.983	U	2.54	-	0.983	U	0.983	U
4-Methyl-2-pentanone	3100	100000	NC	2.05	U	2.05	U	2.05	U	2.05	U	3.01	-	27.3	-
Acetone	32000	1100000	NC	14.4	-	4.89	-	138	-	14.2	-	30.2	-	75.3	-
Benzene	0.36	12	NC	0.748	-	0.645	-	1.82	-	0.783	-	0.649	-	1.83	-
Benzyl chloride	0.057	1.9	NC	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U	1.04	U
Bromodichloromethane	0.076	2.5	NC	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U	1.34	U
Bromoform	2.6	85	NC	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U	2.07	U
Bromomethane	5.2	170	NC	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U	0.777	U
Carbon disulfide	730	24000	NC	0.623	U	0.623	U	5.39	-	0.623	U	0.623	U	0.81	-
Carbon tetrachloride	0.47	16	NC	-	-	-	-	1.26	U	-	-	-	-	1.26	U
Chlorobenzene	52	1700	NC	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U	0.921	U
Chloroethane	10000	350000	NC	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U	0.528	U
Chloroform	0.12	4.1	NC	0.977	U	0.977	U	1.75	-	0.977	U	0.977	U	2.89	-
Chloromethane	94	3100	NC	2.01	-	1.33	-	0.413	U	1.18	-	1.29	-	0.605	-
cis-1,2-Dichloroethene	NC	NC	NC	-	-	-	-	0.793	U	-	-	-	-	0.793	U
cis-1,3-Dichloropropene	0.7	23	NC	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
Cyclohexane	6300	210000	NC	0.688	U	0.688	U	0.688	U	0.688	U	0.688	U	0.688	U
Dibromochloromethane	NC	NC	NC	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U	1.7	U
Dichlorodifluoromethane	100	3500	NC	2.43	-	2.45	-	2.49	-	2.2	-	2.29	-	2.49	-
Ethanol	NC	NC	NC	64.4	-	12.7	-	11.4	-	27.7	-	18.6	-	74.6	-
Ethyl Acetate	73	2400	NC	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U	1.8	U
Ethylbenzene	1.1	37	NC	0.869	U	0.869	U	1.09	U	0.912	U	0.869	U	3.05	U
Freon-113	5200	170000	NC	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U	1.53	U
Freon-114	NC	NC	NC	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Heptane	NC	NC	NC	0.82	U	0.82	U	3.2	-	4.14	-	0.82	U	3.19	-
Hexachlorobutadiene	0.13	4.3	NC	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U	2.13	U
Isopropanol	210	7000	NC	19.4	-	1.23	U	3.56	-	4.42	-	9.78	-	128	-
Methyl tert butyl ether	11	360	NC	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U	0.721	U
Methylene chloride	100	3400	60	3.21	-	1.74	U	1.74	U	1.74	U	2.61	-	6.57	-
n-Hexane	730	24000	NC	0.715	-	0.705	U	0.973	-	0.779	-	0.705	U	5	-
o-Xylene	100	3500	NC	0.869	U	0.869	U	1.79	-	1.46	-	0.869	U	4.6	-
p/m-Xylene	100	3500	NC	1.74	U	1.74	U	4.43	-	3.69	-	2.14	-	15.6	-
Styrene	1000	35000	NC	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U	0.852	U
Tertiary butyl Alcohol	NC	NC	NC	1.52	U	1.52	U	5.34	-	1.52	U	1.52	U	7.49	-
Tetrachloroethene	11	360	30	-	-	-	-	382	-	-	-	-	-	1.36	U
Tetrahydrofuran	2100	70000	NC	4.98	-	1.47	U	1.47	U	1.65	-	1.47	U	1.47	U
Toluene	5200	170000	NC	1.8	-	1.22	-	4.9	-	2.91	-	2.26	-	2.82	-
trans-1,2-Dichloroethene	NC	NC	NC	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U	0.793	U
trans-1,3-Dichloropropene	0.7	23	NC	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U	0.908	U
Trichloroethene	0.48	16	2	-	-	-	-	50.9	-	-	-	-	-	1.07	U
Trichlorofluoromethane	NC	NC	NC	1.25	-	1.12	-	11.4	-	1.12	U	1.21	-	1.52	-
Vinyl bromide	0.088	2.9	NC	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U	0.874	U
Vinyl chloride	0.17	5.6	NC	-	-	-	-	0.511	U	-	-	-	-	0.511	U
Volatile Organics in Air by SIM (ug/m3)															
1,1,1-Trichloroethane	5200	170000		0.109	U	0.109	U	-	-	0.109	U	0.109	U	-	-
1,1-Dichloroethene	210	7000		0.079	U	0.079	U	-	-	0.079	U	0.079	U	-	-
Carbon tetrachloride	0.47	16		0.51	-	0.51	-	-	-	0.447	-	0.579	-	-	-
cis-1,2-Dichloroethene				0.079	U	0.079	U	-	-	0.301	-	0.472	-	-	-
Tetrachloroethene	11	360	30	0.271	-	0.509	-	-	-	0.583	-	1	-	-	-
Trichloroethene	0.48	16	2	0.107	U	0.107	U	-	-	0.613	-	0.554	-	-	-
Vinyl chloride	0.17	5.6		0.051	U	0.051	U	-	-	0.051	U	0.051	U	-	-

(1) EPA-VISL: EPA VISL Default Residential Target Sub-Slab & Exterior Soil Gas Concentrations Criteria per VISL Calculator, Version 3.5, Updated October 2017 (June 2017 RSLs).

(2) EPA-VISL: EPA VISL Default Residential Target Indoor Air Concentrations Criteria per VISL Calculator, Version 3.5.

(3) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York

RL concentration is above the comparison criteria

Sample exceeds EPA VISLs - Residential Target Sub-Slab & Exterior Soil

Sample exceeds EPA VISLs - Residential Target Indoor Air Concentration

Qualifier Notes:

": Not Analyzed

U: Not detected at the reported detection limit (RL) for the sample.

RL: Reporting Limits



Appendices



APPENDIX A
Prior reports
(Located in Separate Document)



APPENDIXB
Soil Boring &
Test Pit Logs

LaBella Powered by partnerships. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: TP - 01 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Lakewood			BORING LOCATION: Lot 116			TIME: 2:20 TO 2:35		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE:			START DATE: 1/25/23			END DATE: WEATHER: Overcast		
TYPE OF DRILL RIG: Excavator			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0			0-2	MF brown sand, trace asphalt	0	Samples collected: 0-2 and 2-4		
1				2-6	VF light brown sand		0	
2							0	
3							0	
4	0							
5					0			
6					0			
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	6.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: TP - 01								

[illegible]

 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: TP - 03 SHEET 1 of 1 JOB: CHKD BY: DATE:																			
CONTRACTOR: Lakewood DRILLER: LABELLA REPRESENTATIVE:			BORING LOCATION: Lot 8 GROUND SURFACE ELEVATION NA START DATE: 1/25/23 END DATE:			TIME: 9:05 TO 9:25 DATUM: NA WEATHER: Overcast																			
TYPE OF DRILL RIG: Excavator AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:																						
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS																			
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)																						
0			0-2	MF brown sand, little rocks, trace asphalt	0	Samples collected: 0-2 and 2-4																			
1			2-4	MF brown sand	0																				
2					0																				
3					0																				
4	4-6	VF light brown sand	0																						
5			0																						
6					0																				
<table border="1"> <tr> <th colspan="3">WATER LEVEL DATA</th> <th colspan="3">DEPTH (FT)</th> <th rowspan="3">NOTES:</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>ELAPSED TIME</th> <th>BOTTOM OF CASING</th> <th>BOTTOM OF BORING</th> <th>GROUNDWATER ENCOUNTERED</th> </tr> <tr> <td></td> <td></td> <td></td> <td>N/A</td> <td>6.0</td> <td>No</td> </tr> </table>							WATER LEVEL DATA			DEPTH (FT)			NOTES:	DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED				N/A	6.0	No
WATER LEVEL DATA			DEPTH (FT)			NOTES:																			
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED																				
			N/A	6.0	No																				
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular																									
						BORING: TP - 03																			

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 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: TP - 07 SHEET 1 of 1 JOB: CHKD BY: DATE:																			
CONTRACTOR: Lakewood DRILLER: LABELLA REPRESENTATIVE:			BORING LOCATION: Lot 9 GROUND SURFACE ELEVATION NA START DATE: 1/25/23 END DATE:			TIME: 10:20 TO 10:30 DATUM: NA WEATHER: Overcast																			
TYPE OF DRILL RIG: Excavator AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:																						
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS																			
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)																						
0			0-1.5	MF brown sand, some brick, some asphalt	0	Samples collected: 0-2 and 2-4																			
1			1.5-2	Asphalt	0																				
2			2-3.5	MF brown sand, trace asphalt	0																				
3					0																				
4			3.5-6	VF light brown sand	0																				
5					0																				
6																									
<table border="1"> <tr> <th colspan="3">WATER LEVEL DATA</th> <th colspan="3">DEPTH (FT)</th> <th rowspan="3">NOTES:</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>ELAPSED TIME</th> <th>BOTTOM OF CASING</th> <th>BOTTOM OF BORING</th> <th>GROUNDWATER ENCOUNTERED</th> </tr> <tr> <td></td> <td></td> <td></td> <td>N/A</td> <td>6.0</td> <td>No</td> </tr> </table>			WATER LEVEL DATA			DEPTH (FT)			NOTES:	DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED				N/A	6.0	No	GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular			
WATER LEVEL DATA			DEPTH (FT)			NOTES:																			
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED																				
			N/A	6.0	No																				
BORING: TP - 07																									

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: TP - 08 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Lakewood			BORING LOCATION: Lot 10			TIME: 11:00 TO 11:25		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE:			START DATE: 1/25/23			END DATE: WEATHER: Overcast		
TYPE OF DRILL RIG: Excavator			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0			0-1	MF brown sand, little asphalt, little brick	0	Samples collected: 0-2 and 2-4		
1			1-1.25	Fill layer consisting of: glass, wood, ceramics, asphalt, tiles, metal wires	0			
2			1.25-2	MF brown sand	0			
3			2-6	VF light brown sand	0			
4	0							
5	0							
6					0			
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	6.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: TP - 08								

[illegible]

[illegible]

 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: TP - 11 SHEET 1 of 1 JOB: CHKD BY: DATE:															
CONTRACTOR: Lakewood DRILLER: LABELLA REPRESENTATIVE:			BORING LOCATION: Lot 111 GROUND SURFACE ELEVATION NA START DATE: 1/25/23 END DATE:			TIME: 12:00 TO 12:45 DATUM: NA WEATHER: Overcast															
TYPE OF DRILL RIG: Excavator AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:																		
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS															
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)																		
0			0-1	MF brown sand, trace asphalt	0	Samples collected: 0-2, 0-2 Duplicate, and 2-4															
1			1-4	VF brown sand, some rocks	0																
2					0																
3					0																
4					0																
<table border="1"> <tr> <th colspan="3">WATER LEVEL DATA</th> <th colspan="3">DEPTH (FT)</th> <th rowspan="3">NOTES:</th> </tr> <tr> <th>DATE</th> <th>TIME</th> <th>ELAPSED TIME</th> <th>BOTTOM OF CASING</th> <th>BOTTOM OF BORING</th> <th>GROUNDWATER ENCOUNTERED</th> </tr> <tr> <td></td> <td></td> <td></td> <td>N/A</td> <td>6.0</td> <td>No</td> </tr> </table>			WATER LEVEL DATA			DEPTH (FT)			NOTES:	DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED				N/A	6.0	No
WATER LEVEL DATA			DEPTH (FT)			NOTES:															
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED																
			N/A	6.0	No																
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular																					
						BORING: TP - 11															

BORING: SB - 01/MV

 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS				PROJECT Carman Place Site 157 Main Street, Hempstead, NY				BORING: SB - 03 SHEET 1 of 1 JOB: CHKD BY: DATE:	
CONTRACTOR: Land Air Water Env DRILLER: LABELLA REPRESENTATIVE: OWEN				BORING LOCATION: Lot 8 GROUND SURFACE ELEVATION NA START DATE: 2/2/23 END DATE:				TIME: 9:00 TO 9:25 DATUM: NA WEATHER: Sunny	
TYPE OF DRILL RIG: Geoprobe _____ AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push				DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS			
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)						
0			0-0.25	Asphalt	0	Samples collected: 0-2, 2-4, 4-6, 8-10, 12-14, and 14-16			
1	38		2-4.5	MF brown sand trace asphalt	0				
2					0				
3					0				
4					0				
5			4.5-5	F brown sand	0				
6	39		5-7.5	F brown sand	0				
7					0				
8					0				
9					0				
10			7.5-10	VF light brown sand	0				
11	52		10-16	VF light brown sand	0				
12					0				
13					0				
14					0				
15					0				
16					0				
WATER LEVEL DATA DATE TIME ELAPSED TIME				DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED	NOTES:				
				N/A 16.0 No					
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular									
						BORING: SB - 03			

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 04 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 10			TIME: 9:30 TO 10:00		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/2/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0	37		0-0.25	Asphalt	0	Samples collected: 0-2, 2-4, 4-6, 8-10, 12-14, and 14-16		
1			0.25-4	MF brown sand little asphalt	0			
2					0			
3					0			
4			4-5	VF light brown sand	0			
5					0			
6					0			
7	42		5-10	VF light brown sand	0			
8					0			
9					0			
10			10-16	VF light brown sand	0			
11					0			
12					0			
13					0			
14					0			
15					0			
16								
GENERAL NOTES			DEPTH (FT)				NOTES:	
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface								
NA = Not Applicable								
and = 35 - 50%								
some = 20 - 35%								
little = 10 - 20%								
trace = 1 - 10%								
C = Coarse								
M = Medium								
F = Fine								
VF = Very Fine								
R = Rounded								
A = Angular								
SR = Subrounded								
SA = Subangular								
BORING: SB - 04								

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS						PROJECT Carman Place Site 157 Main Street, Hempstead, NY							BORING: SB - 05/LP-3 SHEET 1 of 1 JOB: CHKD BY: DATE:				
CONTRACTOR: Land Air Water Env									BORING LOCATION: Lot 111					TIME: 11:40 TO 11:55			
DRILLER:									GROUND SURFACE ELEVATION					NA			
LABELLA REPRESENTATIVE: OWEN									START DATE: 2/6/23					END DATE:			
TYPE OF DRILL RIG: Geoprobe									DRIVE SAMPLER TYPE: Macrocore								
AUGER SIZE AND TYPE: NA									INSIDE DIAMETER: 2"								
OVERBURDEN SAMPLING METHOD: Direct Push									OTHER:								
DEPTH(Feet BGS)	SAMPLE			VISUAL CLASSIFICATION						PID FIELD SCREEN (PPM)	REMARKS						
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)														
0				Leaching pool, no soil or sediment for first 8ft-bgs													
1																	
2				Dark grey sand						0	Samples collected: 8-10, 10-12, 12-14, and 14-16						
3																	
4				VF light brown sand						0							
5																	
6				VF light brown sand						0							
7																	
8				VF light brown sand						0							
9																	
10	24		8-10	VF light brown sand						0							
11																	
12				VF light brown sand						0							
13																	
14				VF light brown sand						0							
15																	
16				VF light brown sand						0							
WATER LEVEL DATA				DEPTH (FT)		NOTES:											
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED												
			N/A	16.0	No												
GENERAL NOTES																	
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.																	
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER																	
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded																	
NA = Not Applicable some = 20 - 35% M = Medium A = Angular																	
little = 10 - 20% F = Fine SR = Subrounded																	
trace = 1 - 10% VF = Very Fine SA = Subangular																	
BORING: SB - 05/LP-3																	

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 06 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 138			TIME: 12:10 TO 12:45		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/2/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0	40		0-0.25	Asphalt	0	Samples collected: 0-2, 2-4, 4-6, 8-10, 12-14, and 14-16		
1			0.25-1.5	MF brown sand little asphalt	0			
2			1.5-2	Fill layer consisting of asphalt, brick, white material				
3			2-4	MF brown sand trace asphalt	0			
4			4-5	VF light brown sand	0			
5	51		5-10	VF light brown sand	0			
6							0	
7							0	
8					0			
9					0			
10	51		10-16	VF light brown sand	0			
11							0	
12							0	
13							0	
14							0	
15					0			
16								
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: SB - 06								

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 07 / SD-1 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 138			TIME: 8:00 TO 8:30		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/6/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0				Storm drain, no soil or sediment for first 6 ft-bgs				
1								
2								
3								
4								
5								
6								
7			6-7.25	Saturated dark grey sand	0	Samples collected: 6-8, 8-10, 10-12, 12-14, 14-16, and 14-16 Duplicate		
8	25				0			
9			7.25-10	VF light brown sand	0			
10					0			
11					0			
12					0			
13	51		10-15	VF light brown sand	0			
14					0			
15								
16					0			
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: SB - 07								

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 08 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 138			TIME: 11:40 TO 12:00		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/2/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION		PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0	34		0-0.25	Asphalt		0	Samples collected: 0-2, 0-2 MS/MSD, 2-4, 2-4 Duplicate, 4-6, 6-8, 10-12, and 14-16	
1			0.25-4	MF brown sand trace asphalt		0		
2						0		
3						0		
4	48		4-5	VF light brown sand		0		
5				0				
6				0				
7	46		5-10	VF light brown sand		0		
8						0		
9						0		
10						0		
11			10-16	VF light brown sand		0		
12						0		
13						0		
14						0		
15						0		
16						0		
WATER LEVEL DATA			DEPTH (FT)			NOTES:		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: SB - 08								

 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS				PROJECT Carman Place Site 157 Main Street, Hempstead, NY				BORING: SB - 11/MW-3 SHEET 1 of 1 JOB: CHKD BY: DATE:	
CONTRACTOR: Land Air Water Env DRILLER: LABELLA REPRESENTATIVE: OWEN				BORING LOCATION: Lot 131 GROUND SURFACE ELEVATION NA START DATE: 1/26/23 END DATE:				TIME: 10:45 TO 12:45 DATUM: NA WEATHER: Overcast	
TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push				DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS			
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)						
0	48		0-3	Brown CMF sand, some gravel, little silt, trace asphalt, trace brick, trace wood	1	Samples collected: 0-2, 2-4, 4-6, 8-10, 12-14, 14-16, and 14-16 Duplicate The monitoring well was drilled to a depth of approximately 32 ft bgs. Soil collection via macrocores stopped at 30 ft bgs.			
1			3-5		Tan CM sand, little gravel		2.7		
2							5-6.25	Tan CM sand, some gravel	1
3									6.25-7.25
4	7.25-10	Tan CMF sand, some gravel	0						
5			10-15	Brown MF sand, some gravel	0				
6					15-20		Brown and tan CMF sand, some gravel, trace silt	0	
7	20-25	Tan MF sand, little gravel						0	
8			25-30	Wet tan MF sand, trace gravel				0	
9									0
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									

WATER LEVEL DATA			DEPTH (FT)			NOTES:
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
			N/A	30.0	24.5	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER

BGS = Below Ground Surface

NA = Not Applicable

and = 35 - 50%

some = 20 - 35%

little = 10 - 20%

trace = 1 - 10%

C = Coarse

M = Medium

F = Fine

VF = Very Fine

R = Rounded

A = Angular

SR = Subrounded

SA = Subangular

BORING: SB - 11/MW-3

LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 13 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 131			TIME: 10:45 TO 11:05		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/6/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0	42		0-0.25	Asphalt	0	Samples collected: 0-2, 2-4, 2-4 MS/MSD, 4-6, 8-10, 12-14, and 14-16		
1			0.25-4	MF brown sand, little asphalt, little brick	0			
2					0			
3					0			
4			4-5	VF light brown sand	0			
5				0				
6				0				
7	47		5-10	VF light brown sand	0			
8					0			
9					0			
10					0			
11	48		10-16	VF light brown sand	0			
12					0			
13					0			
14					0			
15					0			
16								
WATER LEVEL DATA			DEPTH (FT)			NOTES:		
DATE	TIME	ELAPSED TIME	BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
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trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: SB - 13								

 LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS				PROJECT Carman Place Site 157 Main Street, Hempstead, NY				BORING: SB - 14 SHEET 1 of 1 JOB: CHKD BY: DATE:											
CONTRACTOR: Land Air Water Env DRILLER: LABELLA REPRESENTATIVE: OWEN				BORING LOCATION: Lot 131 GROUND SURFACE ELEVATION NA START DATE: 2/6/23 END DATE:		TIME: 1:45 TO 2:00 DATUM: NA WEATHER: Sunny													
TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push				DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:															
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS													
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)																
0	40		0-0.25	Asphalt	0	Samples collected: 0-2, 2-4, 4-6, 8-10, 12-14, and 14-16													
1			0.25-2.5	MF brown sand trace asphalt	0														
2			2.5-5	VF light brown sand	0														
3	47		5-10	VF light brown sand	0														
4					0														
5					0														
6	42		10-16	VF light brown sand	0														
7					0														
8					0														
9					0														
10					0														
11					0														
12					0														
13					0														
14					0														
15					0														
16																			
WATER LEVEL DATA <table border="1"> <tr> <th>DATE</th> <th>TIME</th> <th>ELAPSED TIME</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>				DATE	TIME	ELAPSED TIME				DEPTH (FT) <table border="1"> <tr> <th>BOTTOM OF CASING</th> <th>BOTTOM OF BORING</th> <th>GROUNDWATER ENCOUNTERED</th> </tr> <tr> <td>N/A</td> <td>16.0</td> <td>No</td> </tr> </table>		BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	N/A	16.0	No	NOTES:	
DATE	TIME	ELAPSED TIME																	
BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED																	
N/A	16.0	No																	
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular																			
						BORING: SB - 14													

 LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB-15 / LP - 2 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 131			TIME: 10:25 TO 10:40		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE: OWEN			START DATE: 2/6/23			END DATE: WEATHER: Sunny		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0				Leaching pool, no soil or sediment for first 8 ft-bgs		Samples collected: 8-10, 10-12, 12-14, and 14-16		
1								
2								
3								
4								
5								
6								
7								
8								
9	33		8-9	Saturated dark grey sand, little brick	0			
10			9-10	VF light brown sand	0			
11					0			
12					0			
13	47		10-16	VF light brown sand	0			
14					0			
15					0			
16					0			
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	16.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: LP - 2								

 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 100 SHEET 1 of 1 JOB: CHKD BY: DATE:													
CONTRACTOR: Land Air Water Env DRILLER: LABELLA REPRESENTATIVE:			BORING LOCATION: Lot 116 GROUND SURFACE ELEVATION NA START DATE: 2/7/23 END DATE:			TIME: 8:15 TO 8:30 DATUM: NA WEATHER: Partly cloudy													
TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macrocore INSIDE DIAMETER: 2" OTHER:																
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS													
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)																
0	44		0-0.25	Asphalt	0	Samples collected: 0-2 and 2-4													
1			0.25-3.75	MF brown sand, little asphalt, little brick	0														
2					0														
3					0														
4			3.75-4	Brick	0														
WATER LEVEL DATA <table border="1"> <tr> <th>DATE</th> <th>TIME</th> <th>ELAPSED TIME</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table>			DATE	TIME	ELAPSED TIME				DEPTH (FT) <table border="1"> <tr> <th>BOTTOM OF CASING</th> <th>BOTTOM OF BORING</th> <th>GROUNDWATER ENCOUNTERED</th> </tr> <tr> <td>N/A</td> <td>4.0</td> <td>No</td> </tr> </table>			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	N/A	4.0	No	NOTES:	
DATE	TIME	ELAPSED TIME																	
BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED																	
N/A	4.0	No																	
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded NA = Not Applicable some = 20 - 35% M = Medium A = Angular little = 10 - 20% F = Fine SR = Subrounded trace = 1 - 10% VF = Very Fine SA = Subangular																			
						BORING: SB - 100													

[illegible]

 LaBella Powered by partnership. 45 MAIN STREET, SUITE 1018, BROOKLYN, NY ENVIRONMENTAL ENGINEERING CONSULTANTS			PROJECT Carman Place Site 157 Main Street, Hempstead, NY			BORING: SB - 105 SHEET 1 of 1 JOB: CHKD BY: DATE:		
CONTRACTOR: Land Air Water Env			BORING LOCATION: Lot 111			TIME: 11:15 TO 11:30		
DRILLER:			GROUND SURFACE ELEVATION			DATUM: NA		
LABELLA REPRESENTATIVE:			START DATE: 2/7/23			END DATE: WEATHER: Partly cloudy		
TYPE OF DRILL RIG: Geoprobe			DRIVE SAMPLER TYPE: Macrocore					
AUGER SIZE AND TYPE: NA			INSIDE DIAMETER: 2"					
OVERBURDEN SAMPLING METHOD: Direct Push			OTHER:					
DEPTH (FEET BGS)	SAMPLE			VISUAL CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE RECOVERY (INCHES)	SAMPLE NO. AND DEPTH	STRATA CHANGE (FEET BGS)					
0			0-0.25	Asphalt	0	Samples collected: 0-2 and 2-4		
1	35		0.25-3.5	MF brown sand, trace asphalt	0			
2					0			
3					0			
4					0			
			3.5-4	VF light brown sand				
			DEPTH (FT)			NOTES:		
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME						
			N/A	4.0	No			
GENERAL NOTES								
1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.								
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER								
BGS = Below Ground Surface and = 35 - 50% C = Coarse R = Rounded								
NA = Not Applicable some = 20 - 35% M = Medium A = Angular								
little = 10 - 20% F = Fine SR = Subrounded								
trace = 1 - 10% VF = Very Fine SA = Subangular								
BORING: SB - 10								

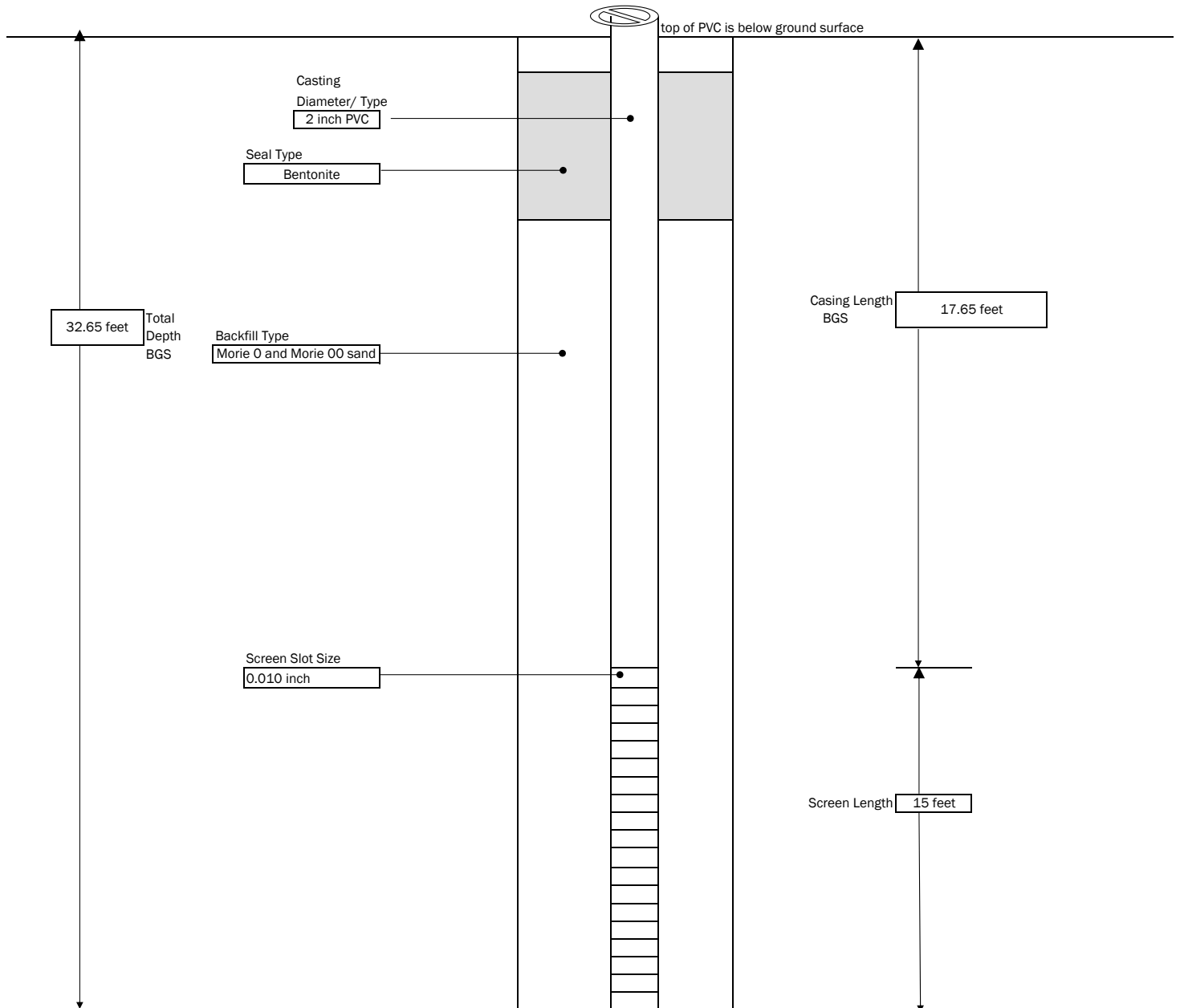


APPENDIXC
Laboratory Analytical
Data Reports
(Located in Separate
Document)



APPENDIXD
Monitoring Well
Construction Logs

 45 MAIN STREET, SUITE 1018, BROOKLYN, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Carman Place Site 157 Main Street, Hempstead, NY	MONITORING WELL : MW-1 BORING LOCATION : Lot 116 SHEET 1 OF 1 JOB # 2230824
CONTRACTOR: Land Air Water Environmental DRILLER: CARL LABELLA REPRESENTATIVE: OWEN	START TIME: 8:15 GROUND SURFACE ELEVATION: NA END TIME: 10:15 DATUM: NA	TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: OVERBURDEN SAMPLING METHOD:

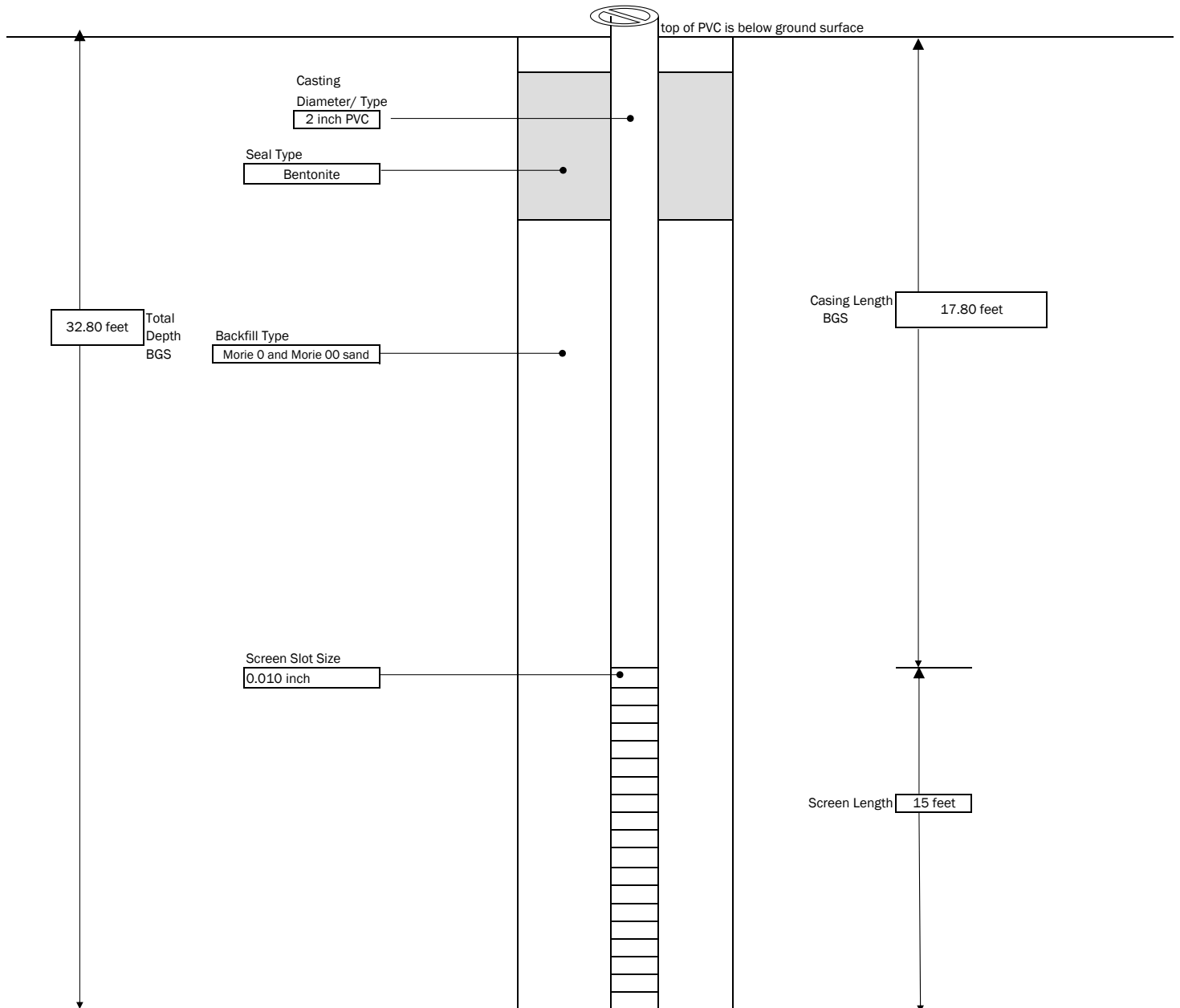


Hole Diameter
inches

GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE

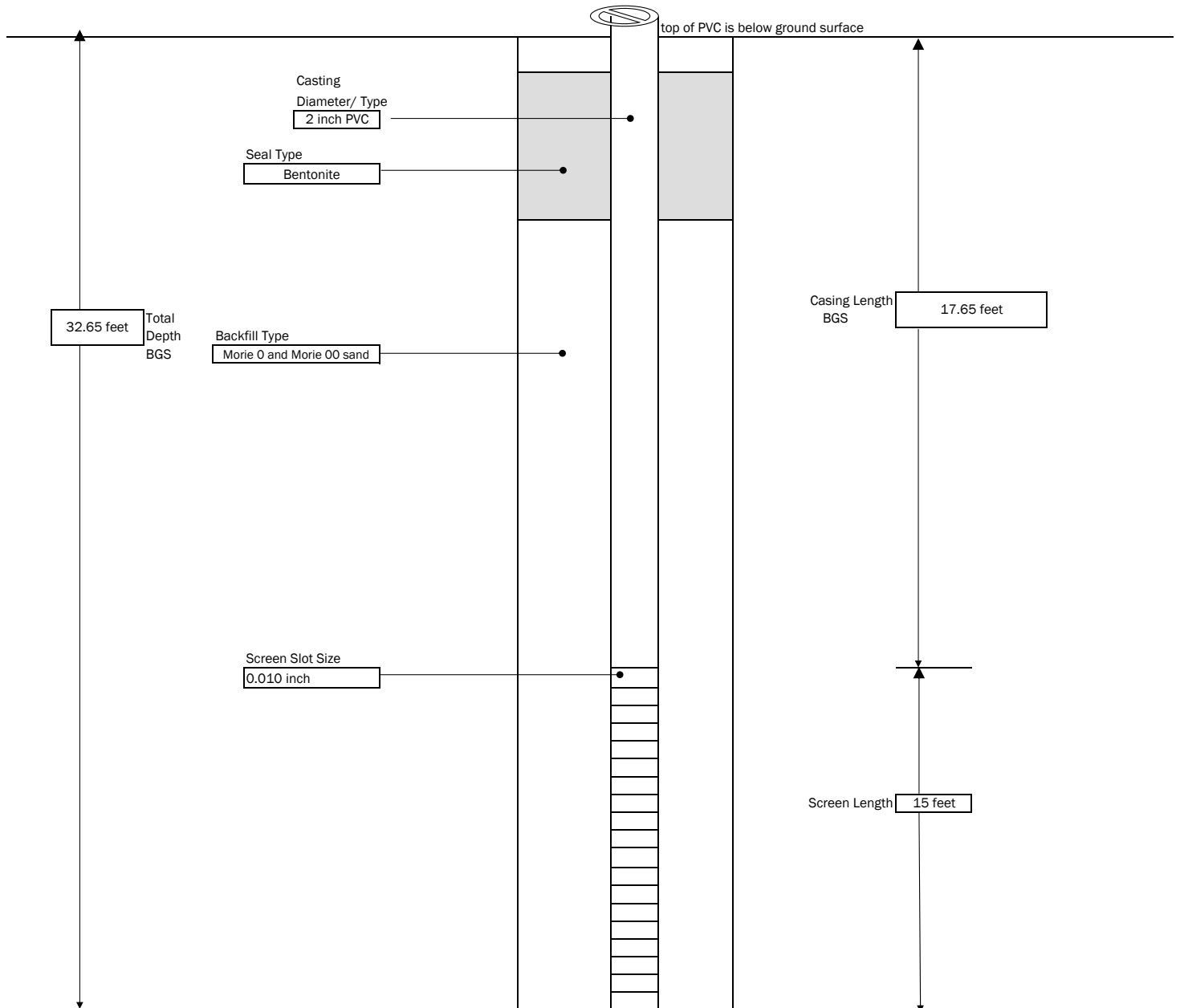
 45 MAIN STREET, SUITE 1018, BROOKLYN, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Carman Place Site 157 Main Street, Hempstead, NY	MONITORING WELL : MW-2 BORING LOCATION : Lot 138 SHEET 1 OF 1 JOB # 2230824
CONTRACTOR: Land Air Water Environmental DRILLER: CARL LABELLA REPRESENTATIVE: OWEN	START TIME: 11:15 GROUND SURFACE ELEVATION: NA END TIME: 1:15 DATUM: NA	TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: OVERBURDEN SAMPLING METHOD:



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE

 45 MAIN STREET, SUITE 1018, BROOKLYN, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Carman Place Site 157 Main Street, Hempstead, NY	MONITORING WELL : MW-3 BORING LOCATION : Lot 131 SHEET 1 OF 1 JOB # 2230824
CONTRACTOR: Land Air Water Environmental DRILLER: CARL LABELLA REPRESENTATIVE: OWEN	START TIME: 10:45 END TIME: 12:45 GROUND SURFACE ELEVATION: NA DATUM: NA	TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: OVERBURDEN SAMPLING METHOD:

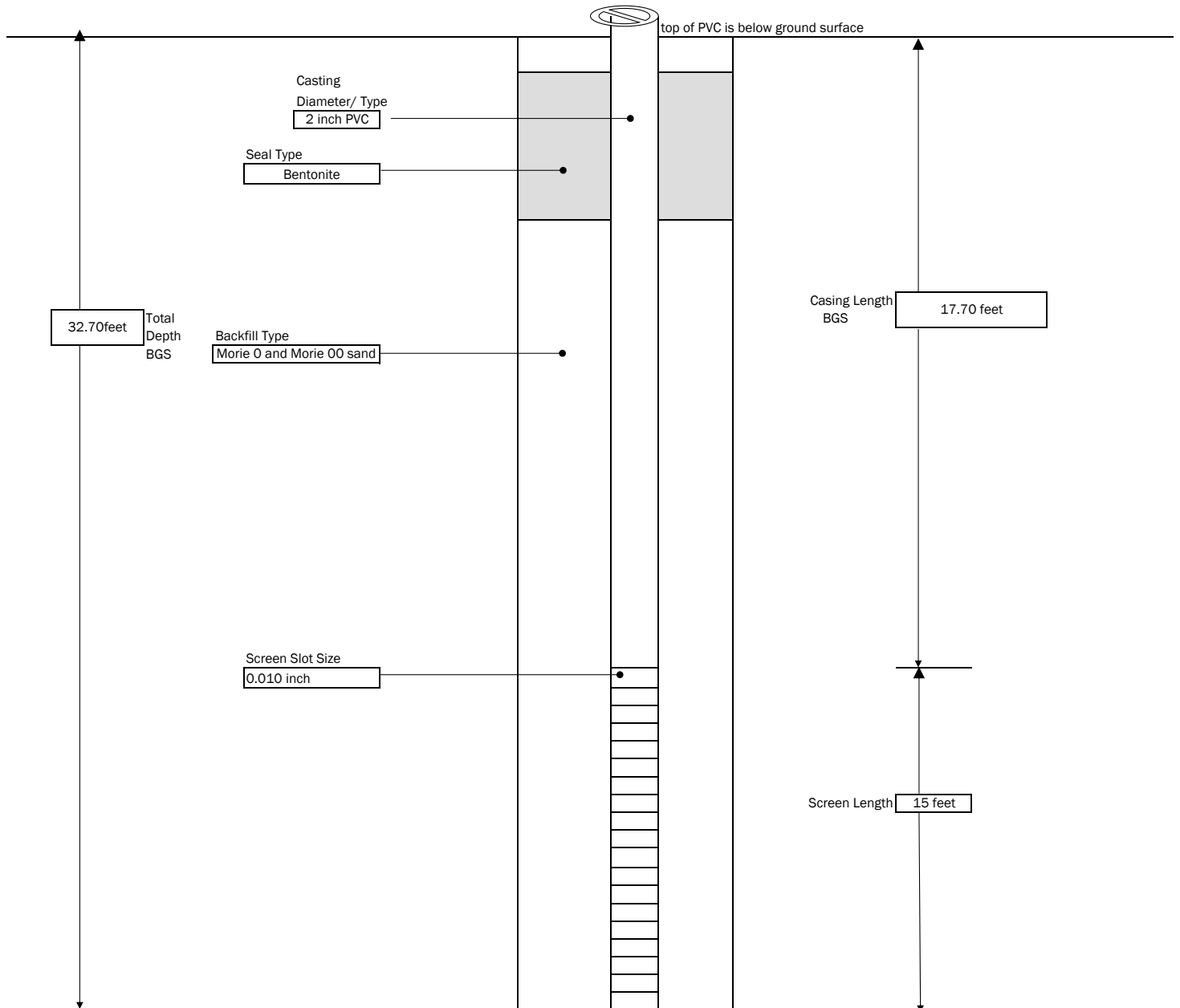


Hole Diameter
inches

GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE

 45 MAIN STREET, SUITE 1018, BROOKLYN, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Carman Place Site 157 Main Street, Hempstead, NY	MONITORING WELL : MW-4 BORING LOCATION : Lot 138 SHEET 1 OF 1 JOB # 2230824
CONTRACTOR: Land Air Water Environmental DRILLER: CARL LABELLA REPRESENTATIVE: OWEN	START TIME: 1:15 GROUND SURFACE ELEVATION: NA END TIME: 3:15 DATUM: NA	TYPE OF DRILL RIG: Geoprobe AUGER SIZE AND TYPE: OVERBURDEN SAMPLING METHOD:



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE



APPENDIXE
Groundwater Sampling Logs



45 Main Street, Suite 1018
Brooklyn, New York 11201
Telephone: (585) 454-6110

Project Name: Cadman Plaza Site
Location: 157 Main Street, Hempstead, NY
Project No.: 2230824
Sampled By: Owen Hennigan
Date: 1/31/2023
Weather: Snowing

WELL I.D.: MW-1

WELL SAMPLING INFORMATION

Well Diameter: 2 Static Water Level: 23.71
Depth of Well: 32.65 Length of Well Screen: 15
Measuring Point: Top of casing Depth to Collection: 27
Pump Type: Peristaltic Tubing Type: HDPE 1/4ID X 3/8OD

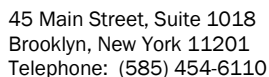
Time	Static Water Level	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	Redox (mV)	Comments
		+/- 0.1						
12:50	23.71	4.94	7.66	0.000	369	21.10	334	
12:55	23.71	6.53	7.30	0.148	371	19.70	289	
1:00	23.70	7.13	7.35	0.716	908	16.81	300	
1:05	23.70	7.03	11.06	0.645	723	13.47	307	
1:10	23.71	7.03	11.70	0.643	483	12.24	311	
1:15	23.71	7.02	11.82	0.640	437	11.26	316	

5 Gallons Purged

Purge Time Start: 12:50 Purge Time End: 1:15 Final Static Water Level: 23.71

OBSERVATIONS

The well was developed at 10:30. A total of 25 gallons were purged during well development. Groundwater sampled for Full Part 375, 1,4-Dioxane, Herbicides, and PFAS. The sample was collected at 1:30.



Location: 157 Main Street, Hempstead, NY

Sampled By: Owen Hennigan

Sampled By: Owen Hennigan

Date: 1/30/2023

Weather: Sunny

WELL I.D.: MW-2

Well Diameter:	2
Depth of Well:	32.80
Measuring Point:	Top of casing
Pump Type:	Peristaltic

Static Water Level: 21.35

Length of Well Screen: 15

Depth to Collection: 27

Tubing Type: HDPE 1/4ID X 3/8OD

[illegible]

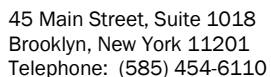
6 Gallons Purged

Purge Time Start: 2:55

Purge Time End: 3:15

Final Static Water Level: 21.35

The well was developed at 11:35. A total of 25 gallons were purged during well development. Groundwater sampled for Full Part 375, 1,4-Dioxane, Herbicides, and PFAS. The sample was collected at 3:30.



Location: 157 Main Street, Hempstead, NY

Sampled By: Owen Hennigan

Sampled By: Owen Hennigan

Date: 1/30/2023

Weather: Sunny

WELL I.D.: MW-3

Well Diameter:	2
Depth of Well:	32.65
Measuring Point:	Top of casing
Pump Type:	Peristaltic

Static Water Level: 23.89

Length of Well Screen: 15

Depth to Collection: 27

Tubing Type: HDPE 1/4ID X 3/8OD

[illegible]

4 Gallons Purged

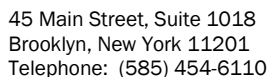
Purge Time Start: 1:15

Purge Time End: 1:25

Final Static Water Level: 23.89

OBSERVATIONS

The well was developed at 9:15. A total of 20 gallons were purged during well development. Groundwater sampled for Full Part 375, 1,4-Dioxane, Herbicides, and PFAS. The sample was collected at 2:00.



Location: 157 Main Street, Hempstead, NY

Sampled By: Owen Hennigan

Sampled By: Owen Hennigan

Date: 1/31/2023

Weather: Snowing

WELL I.D.: MW-4

Well Diameter:	2
Depth of Well:	32.70
Measuring Point:	Top of casing
Pump Type:	Peristaltic

Static Water Level: 19.70

Length of Well Screen: 15

Depth to Collection: 27

Tubing Type: HDPE 1/4ID X 3/8OD

[illegible]

6.5 Gallons Purged

Purge Time Start: 11:20

Purge Time End: 11:35

Final Static Water Level: 19.70

OBSERVATIONS

The well was developed at 9:20. A total of 25 gallons were purged during well development. Groundwater sampled for Full Part 375, 1,4-Dioxane, Herbicides, and PFAS. The sample was collected at 11:45.



APPENDIX F
Soil Vapor
Sampling Logs



45 MAIN STREET, SUITE 1018, BROOKLYN, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

Soil Vapor Sampling Log

157 Main Street, Hempstead, NY

Project Name: Carman Place Site

Project No: 2230824

Sampled By: OWEN

Date: 2/13/2023

Weather/ Wind: Sunny, no wind

Sample ID: SV-01	
Tracer gas in dome (% of atmosphere): 10	
Sample Type: Soil Vapor	
Time	Vacuum Reading ("Hg)
Start: 10:20	30.0
End: 12:28	2.0

Sample ID: SV-02	
Tracer gas in dome (% of atmosphere): 10	
Sample Type: Soil Vapor	
Time	Vacuum Reading ("Hg)
Start: 10:30	30.0
End: 1:30	10.0

Sample ID: SV-02 Duplicate	
Tracer gas in dome (% of atmosphere): 10	
Sample Type: Soil Vapor	
Time	Vacuum Reading ("Hg)
Start: 10:30	30.0
End: 1:30	10.0

Notes/Activities:



45 MAIN STREET, SUITE 1018, BROOKLYN, NY
ENVIRONMENTAL ENGINEERING CONSULTANTS

Soil Vapor Sampling Log

157 Main Street, Hempstead, NY

Project Name: Carman Place Site

Project No: 2230824

Sampled By: OWEN

Date: 2/13/2023

Weather/ Wind: Sunny, no wind

Sample ID: SV-03	
Tracer gas in dome (% of atmosphere): 10	
Sample Type: Soil Vapor	
Time	Vacuum Reading ("Hg)
Start: 10:15	30.0
End: 12:25	5.0

Sample ID: SV-04	
Tracer gas in dome (% of atmosphere): 10	
Sample Type: Soil Vapor	
Time	Vacuum Reading ("Hg)
Start: 10:15	30.0
End: 12:25	5.0

Sample ID: SV-04 OA	
Tracer gas in dome (% of atmosphere): N/A	
Sample Type: Outdoor Air	
Time	Vacuum Reading ("Hg)
Start: 10:05	30.0
End: 12:05	3.0

Notes/Activities:



APPENDIXG
Data Usability Summary Reports
(Located in Separate Document)



APPENDIX H
Completed Fish & Wildlife
Resources Impact

Appendix 3C Fish and Wildlife Resources Impact Analysis Decision Key		If YES Go to:	If NO Go to:
1.	Is the site or area of concern a discharge or spill event?	13	2
2.	Is the site or area of concern a point source of contamination to the groundwater which will be prevented from discharging to surface water? Soil contamination is not widespread, or if widespread, is confined under buildings and paved areas.	13	3
3.	Is the site and all adjacent property a developed area with buildings, paved surfaces and little or no vegetation?	4	9
4.	Does the site contain habitat of an endangered, threatened or special concern species?	Section 3.10.1	5
5.	Has the contamination gone off-site?	6	14
6.	Is there any discharge or erosion of contamination to surface water or the potential for discharge or erosion of contamination?	7	14
7.	Are the site contaminants PCBs, pesticides or other persistent, bioaccumulable substances?	Section 3.10.1	8
8.	Does contamination exist at concentrations that could exceed ecological impact SCGs or be toxic to aquatic life if discharged to surface water?	Section 3.10.1	14
9.	Does the site or any adjacent or downgradient property contain any of the following resources? i. Any endangered, threatened or special concern species or rare plants or their habitat ii. Any DEC designated significant habitats or rare NYS Ecological Communities iii. Tidal or freshwater wetlands iv. Stream, creek or river v. Pond, lake, lagoon vi. Drainage ditch or channel vii. Other surface water feature viii. Other marine or freshwater habitat ix. Forest x. Grassland or grassy field xi. Parkland or woodland xii. Shrubby area xiii. Urban wildlife habitat xiv. Other terrestrial habitat	11	10
10.	Is the lack of resources due to the contamination?	3.10.1	14
11.	Is the contamination a localized source which has not migrated and will not migrate from the source to impact any on-site or off-site resources?	14	12
12.	Does the site have widespread surface soil contamination that is not confined under and around buildings or paved areas?	Section 3.10.1	12
13.	Does the contamination at the site or area of concern have the potential to migrate to, erode into or otherwise impact any on-site or off-site habitat of endangered, threatened or special concern species or other fish and wildlife resource? (See #9 for list of potential resources. Contact DEC for information regarding endangered species.)	Section 3.10.1	14
14.	No Fish and Wildlife Resources Impact Analysis needed.		



APPENDIX I
Community Participation Plan



NEW YORK
STATE OF
OPPORTUNITY.

**Department of
Environmental
Conservation**

Brownfield Cleanup Program

Citizen Participation Plan

for

Carman Place Site

January 2023

BCP Site No. C130250
122 & 126 Bedell St., 155-161 Main St., Bedell St. & Columbia St.,
Hempstead
Nassau County, New York

Contents

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2. Citizen Participation Activities.....	3
3. Major Issues of Public Concern.....	9
4. Site Information.....	9
5. Investigation and Cleanup Process	11
Appendix A - Project Contacts and Locations of Reports and Information	14
Appendix B - Site Contact List.....	15
Appendix C - Site Location Map.....	20
Appendix D - Brownfield Cleanup Program Process	21

* * * * *

Note: The information presented in this Citizen Participation Plan was current as of the date of its approval by the New York State Department of Environmental Conservation. Portions of this Citizen Participation Plan may be revised during the site's investigation and cleanup process.

Applicant: **Carman Place Apartments, LLC (“Applicant”)**
Site Name: **Carman Place Site (“Site”)**
Site Address: **122 & 126 Bedell St., 155-161 Main St., Bedell St. & Columbia St.,
Hempstead, NY**
Site County: **Nassau County**
Site Number: **C130250**

1. What is New York’s Brownfield Cleanup Program?

New York’s Brownfield Cleanup Program (BCP) works with private developers to encourage the voluntary cleanup of contaminated properties known as “brownfields” so that they can be reused and developed. These uses include recreation, housing, and business.

A *brownfield* is any real property that is difficult to reuse or redevelop because of the presence or potential presence of contamination. A brownfield typically is a former industrial or commercial property where operations may have resulted in environmental contamination. A brownfield can pose environmental, legal, and financial burdens on a community. If a brownfield is not addressed, it can reduce property values in the area and affect economic development of nearby properties.

The BCP is administered by the New York State Department of Environmental Conservation (NYSDEC) which oversees Applicants who conduct brownfield site investigation and cleanup activities. An Applicant is a person who has requested to participate in the BCP and has been accepted by NYSDEC. The BCP contains investigation and cleanup requirements, ensuring that cleanups protect public health and the environment. When NYSDEC certifies that these requirements have been met, the property can be reused or redeveloped for the intended use.

For more information about the BCP, go online at:
<http://www.dec.ny.gov/chemical/8450.html> .

2. Citizen Participation Activities

Why NYSDEC Involves the Public and Why It Is Important

NYSDEC involves the public to improve the process of investigating and cleaning up contaminated sites, and to enable citizens to participate more fully in decisions that affect their health, environment, and social well-being. NYSDEC provides opportunities for citizen involvement and encourages early two-way communication with citizens before decision makers form or adopt final positions.

Involving citizens affected and interested in site investigation and cleanup programs is important for many reasons. These include:

- Promoting the development of timely, effective site investigation and cleanup programs that protect public health and the environment
- Improving public access to, and understanding of, issues and information related to a particular site and that site's investigation and cleanup process
- Providing citizens with early and continuing opportunities to participate in NYSDEC's site investigation and cleanup process
- Ensuring that NYSDEC makes site investigation and cleanup decisions that benefit from input that reflects the interests and perspectives found within the affected community
- Encouraging dialogue to promote the exchange of information among the affected/interested public, State agencies, and other interested parties that strengthens trust among the parties, increases understanding of site and community issues and concerns, and improves decision making.

This Citizen Participation (CP) Plan provides information about how NYSDEC will inform and involve the public during the investigation and cleanup of the site identified above. The public information and involvement program will be carried out with assistance, as appropriate, from the Applicant.

Project Contacts

Appendix A identifies NYSDEC project contact(s) to whom the public should address questions or request information about the site's investigation and cleanup program. The public's suggestions about this CP Plan and the CP program for the site are always welcome. Interested people are encouraged to share their ideas and suggestions with the project contacts at any time.

Locations of Reports and Information

The locations of the reports and information related to the site's investigation and cleanup program also are identified in Appendix A. These locations provide convenient access to important project documents for public review and comment. Some documents may be placed on the NYSDEC web site. If this occurs, NYSDEC will inform the public in fact sheets distributed about the site and by other means, as appropriate.

Site Contact List

Appendix B contains the site contact list. This list has been developed to keep the community informed about, and involved in, the site's investigation and cleanup process. The site contact list will be used periodically to distribute fact sheets that provide updates about the status of the project. These will include notifications of upcoming activities at the site (such as fieldwork), as well as availability of project documents and announcements about public comment periods.

The site contact list includes, at a minimum:

- Chief executive officer and planning board chairperson of each county, city, town and village in which the site is located;
- Residents, owners, and occupants of the site and properties adjacent to the site;
- The public water supplier which services the area in which the site is located;
- Any person who has requested to be placed on the site contact list;
- The administrator of any school or day care facility located on or near the site for purposes of posting and/or dissemination of information at the facility;
- Location(s) of reports and information.

The site contact list will be reviewed periodically and updated as appropriate. Individuals and organizations will be added to the site contact list upon request. Such requests should be submitted to the NYSDEC project contact(s) identified in Appendix A. Other additions to the site contact list may be made at the discretion of the NYSDEC project manager, in consultation with other NYSDEC staff as appropriate.

Note: The first site fact sheet (usually related to the draft Remedial Investigation Work Plan) is distributed both by paper mailing through the postal service and through DEC Delivers, its email listserv service. The fact sheet includes instructions for signing up with the appropriate county listserv to receive future notifications about the site. See <http://www.dec.ny.gov/chemical/61092.html> .

Subsequent fact sheets about the site will be distributed exclusively through the listserv, except for households without internet access that have indicated the need to continue to receive site information in paper form. Please advise the NYSDEC site project manager identified in Appendix A if that is the case. Paper mailings may continue during the investigation and cleanup process for some sites, based on public interest and need.

CP Activities

The table at the end of this section identifies the CP activities, at a minimum, that have been and will be conducted during the site's investigation and cleanup program. The

flowchart in Appendix D shows how these CP activities integrate with the site investigation and cleanup process. The public is informed about these CP activities through fact sheets and notices distributed at significant points during the program. Elements of the investigation and cleanup process that match up with the CP activities are explained briefly in Section 5.

- **Notices and fact sheets** help the interested and affected public to understand contamination issues related to a site, and the nature and progress of efforts to investigate and clean up a site.
- **Public forums, comment periods and contact with project managers** provide opportunities for the public to contribute information, opinions and perspectives that have potential to influence decisions about a site's investigation and cleanup.

The public is encouraged to contact project staff at any time during the site's investigation and cleanup process with questions, comments, or requests for information.

This CP Plan may be revised due to changes in major issues of public concern identified in Section 3 or in the nature and scope of investigation and cleanup activities. Modifications may include additions to the site contact list and changes in planned citizen participation activities.

Technical Assistance Grant

NYSDEC must determine if the site poses a significant threat to public health or the environment. This determination generally is made using information developed during the investigation of the site, as described in Section 5.

If the site is determined to be a significant threat, a qualifying community group may apply for a Technical Assistance Grant (TAG). The purpose of a TAG is to provide funds to the qualifying group to obtain independent technical assistance. This assistance helps the TAG recipient to interpret and understand existing environmental information about the nature and extent of contamination related to the site and the development/implementation of a remedy.

An eligible community group must certify that its membership represents the interests of the community affected by the site, and that its members' health, economic well-being or enjoyment of the environment may be affected by a release or threatened release of contamination at the site.

To verify the significant threat status of the site, the interested public may contact the NYSDEC project manager identified in Appendix A.

For more information about TAGs, go online at
<http://www.dec.ny.gov/regulations/2590.html>

Note: The table identifying the citizen participation activities related to the site's investigation and cleanup program follows on the next page:

Citizen Participation Activities	Timing of CP Activity(ies)
Application Process:	
• Prepare site contact list • Establish document repository(ies)	At time of preparation of application to participate in the BCP.
• Publish notice in Environmental Notice Bulletin (ENB) announcing receipt of application and 30-day public comment period • Publish above ENB content in local newspaper • Mail above ENB content to site contact list • Conduct 30-day public comment period	When NYSDEC determines that BCP application is complete. The 30-day public comment period begins on date of publication of notice in ENB. End date of public comment period is as stated in ENB notice. Therefore, ENB notice, newspaper notice, and notice to the site contact list should be provided to the public at the same time.
After Execution of Brownfield Site Cleanup Agreement (BCA):	
• Prepare Citizen Participation (CP) Plan	Before start of Remedial Investigation Note: Applicant must submit CP Plan to NYSDEC for review and approval within 20 days of the effective date of the BCA.
Before NYSDEC Approves Remedial Investigation (RI) Work Plan:	
• Distribute fact sheet to site contact list about proposed RI activities and announcing 30-day public comment period about draft RI Work Plan • Conduct 30-day public comment period	Before NYSDEC approves RI Work Plan. If RI Work Plan is submitted with application, public comment periods will be combined and public notice will include fact sheet. Thirty-day public comment period begins/ends as per dates identified in fact sheet.
After Applicant Completes Remedial Investigation:	
• Distribute fact sheet to site contact list that describes RI results	Before NYSDEC approves RI Report
Before NYSDEC Approves Remedial Work Plan (RWP):	
• Distribute fact sheet to site contact list about draft RWP and announcing 45-day public comment period • Public meeting by NYSDEC about proposed RWP (if requested by affected community or at discretion of NYSDEC project manager) • Conduct 45-day public comment period	Before NYSDEC approves RWP. Forty-five day public comment period begins/ends as per dates identified in fact sheet. Public meeting would be held within the 45-day public comment period.
Before Applicant Starts Cleanup Action:	
• Distribute fact sheet to site contact list that describes upcoming cleanup action	Before the start of cleanup action.
After Applicant Completes Cleanup Action:	
• Distribute fact sheet to site contact list that announces that cleanup action has been completed and that NYSDEC is reviewing the Final Engineering Report • Distribute fact sheet to site contact list announcing NYSDEC approval of Final Engineering Report and issuance of Certificate of Completion (COC)	At the time the cleanup action has been completed. Note: The two fact sheets are combined when possible if there is not a delay in issuing the COC.

3. Major Issues of Public Concern

This section of the CP Plan identifies major issues of public concern that relate to the site. Additional major issues of public concern may be identified during the course of the site's investigation and cleanup process.

There will be areas on the Site where soil excavation is necessary. Therefore, once the remediation commences, there may be concerns regarding odors, noise or truck traffic coming from the Site. However, these impacts will be mitigated through implementation of a Health and Safety Plan and Soil Management Plan approved by the Department, which will be designed to minimize these impacts. A Community Air Monitoring Plan will also be implemented to monitor dust and vapors to ensure the community is not impacted. CAMP implementation involves the placement of air monitoring stations downwind of where work is occurring to capture both dust and vapor emissions. If dust or emissions exceed a set threshold established by DEC and the Department of Health, then work must cease and the cause of the issue must be corrected before work can proceed.

The site is located in an Environmental Justice Area. Environmental justice is defined as the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.

Environmental justice efforts focus on improving the environment in communities, specifically minority and low-income communities, and addressing disproportionate adverse environmental impacts that may exist in those communities.

The site includes a community with a sizable Hispanic-American population, therefore, all future fact sheets will be translated into Spanish.

4. Site Information

Appendix C contains a map identifying the location of the site.

Site Description

**Location - 122 & 126 Bedell St., 155-161 Main St., Bedell St. & Columbia St.,
Hempstead, NY, Nassau County**

Setting - Urban

Site size – 1.72398 Acres

Adjacent properties – Residential, Commercial

History of Site Use, Investigation, and Cleanup

The Site has a long history of mixed-uses including a dry cleaner, auto service station and other uses that used fuel oil housed in prior underground storage tanks.

The Site was originally developed between 1904-1909. Sanborn maps from 1909 depict 14 two-story dwellings, a storage building, a plumbing shop, and sign and paint shop. The residential buildings contained oil tanks. In 1919, the property was developed with a similar configuration to 1909, but the sign and paint shop was replaced by Newman Light and Heating. An automobile garage was also present in 1919. Four additional stores were present on the Site in 1925. Between 1925 and 1937, one dwelling and the Newman Light and Heating store were removed from the Site. A large parking lot is shown on the Site in maps beginning in 1937. Between 1950 and 1963, the Site was developed with 10 two-story dwellings, storage buildings, four stores, a new strip of stores and restaurants, automobile garages, and a parking lot. Sanborn maps from 1970 depict six two-story dwellings, eight stores, two restaurants, and two large parking lots on the site. Aerial photographs from 1970 to the present generally depict a similar configuration.

5. Investigation and Cleanup Process

Application

The Applicant has applied for and been accepted into New York's Brownfield Cleanup Program as a Volunteer. This means that the Applicant was not responsible for the disposal or discharge of the contaminants or whose ownership or operation of the site took place after the discharge or disposal of contaminants. The Volunteer must fully characterize the nature and extent of contamination onsite, and must conduct a "qualitative exposure assessment," a process that characterizes the actual or potential exposures of people, fish and wildlife to contaminants on the site and to contamination that has migrated from the site.

The Applicant in its Application proposes that the site will be used for unrestricted purposes.

To achieve this goal, the Applicant will conduct investigation activities at the site with oversight provided by NYSDEC. The Brownfield Cleanup Agreement executed by NYSDEC and the Applicant sets forth the responsibilities of each party in conducting these activities at the site.

Investigation

The Applicant has completed a site investigation before it entered into the BCP. The Applicant has submitted an investigation report for the full site investigation. NYSDEC will determine if the investigation goals and requirements of the BCP have been met or if additional work is needed before a remedy can be selected.

The Applicant submitted a draft “Remedial Investigation Report / Remedial Action Work Plan” with the application, which was available to the public review during a 45-day public comment period with the application. This Report/Plan identifies that the contaminants of concern are the following as a result of the past used on the site: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) mostly in the form of poly aromatic hydrocarbons (PAHs), emerging contaminants and heavy metals in soil, SVOCs in groundwater, and VOCs in soil vapor.

NYSDEC will use the information in the Remedial Investigation Report to determine if the site poses a significant threat to public health or the environment. If the site is a “significant threat,” it must be cleaned up using a remedy selected by NYSDEC from an analysis of alternatives prepared by the Applicant and approved by NYSDEC. If the site does not pose a significant threat, the Applicant may select the remedy from the approved analysis of alternatives.

Interim Remedial Measures

An Interim Remedial Measure (IRM) is an action that can be undertaken at a site when a source of contamination or exposure pathway can be effectively addressed before the site investigation and analysis of alternatives are completed. If an IRM is likely to represent all or a significant part of the final remedy, NYSDEC will require a 30-day public comment period.

Remedy Selection

When the investigation of the site has been determined to be complete, the project likely would proceed in one of two directions:

1. The Applicant may recommend in its investigation report that no action is necessary at the site. In this case, NYSDEC would make the investigation report available for public comment for 45 days. NYSDEC then would complete its review, make any necessary revisions, and, if appropriate, approve the investigation report. NYSDEC would then issue a “Certificate of Completion” (described below) to the Applicant.

or

2. The Applicant may recommend in its investigation report that action needs to be taken to address site contamination. After NYSDEC approves the investigation report, the Applicant may then develop a cleanup plan, officially called a “Remedial Work Plan”. The Remedial Work Plan describes the Applicant’s proposed remedy for addressing contamination related to the site.

Here, the Applicant has also submitted a draft Remedial Action Work Plan for approval with the application, which was available during a 45-day public comment period.

NYSDEC has already provided comments on the Remedial Investigation Report, and the applicant is in the process of performing more investigation and addressing the Department’s comments. The final results of the updated Remedial Investigation Report may impact the Remedial Action Work Plan.

Cleanup Action

NYSDEC will consider public comments, and revise the draft cleanup plan if necessary, before approving the proposed remedy. The New York State Department of Health (NYSDOH) must concur with the proposed remedy. After approval, the proposed remedy becomes the selected remedy. The selected remedy is formalized in the site Decision Document.

The Applicant may then design and perform the cleanup action to address the site contamination. NYSDEC and NYSDOH oversee the activities. When the Applicant completes cleanup activities, it will prepare a final engineering report that certifies that cleanup requirements have been achieved or will be achieved within a specific time frame. NYSDEC will review the report to be certain that the cleanup is protective of public health and the environment for the intended use of the site.

Certificate of Completion

When NYSDEC is satisfied that cleanup requirements have been achieved or will be achieved for the site, it will approve the final engineering report. NYSDEC then will issue a Certificate of Completion (COC) to the Applicant. The COC states that cleanup goals have been achieved, and relieves the Applicant from future liability for site-related contamination, subject to certain conditions. The Applicant would be eligible to redevelop the site after it receives a COC.

Site Management

The purpose of site management is to ensure the safe reuse of the property if contamination will remain in place. Site management is the last phase of the site cleanup program. This phase begins when the COC is issued. Site management

incorporates any institutional and engineering controls required to ensure that the remedy implemented for the site remains protective of public health and the environment. All significant activities are detailed in a Site Management Plan.

An *institutional control* is a non-physical restriction on use of the site, such as a deed restriction that would prevent or restrict certain uses of the property. An institutional control may be used when the cleanup action leaves some contamination that makes the site suitable for some, but not all uses.

An *engineering control* is a physical barrier or method to manage contamination. Examples include: caps, covers, barriers, fences, and treatment of water supplies.

Site management also may include the operation and maintenance of a component of the remedy, such as a system that pumps and treats groundwater. Site management continues until NYSDEC determines that it is no longer needed.

Appendix A - Project Contacts and Locations of Reports and Information

Project Contacts

For information about the site's investigation and cleanup program, the public may contact any of the following project staff:

New York State Department of Environmental Conservation (NYSDEC):

Melissa Sweet
Project Manager
NYSDEC
Division of Environmental Remediation
625 Broadway
Albany, New York 12233
Meliss.sweet@dec.ny.gov

New York State Department of Health (NYSDOH):

Christine Vooris
Project Manager
NYSDOH
Bureau of Environmental Exposure Investigation
Empire State Plaza
Corning Tower Room 1787
Albany, NY 12237
Christine.vooris@doh.ny.gov

Locations of Reports and Information

The facilities identified below are being used to provide the public with convenient access to important project documents:

Hempstead Public Library
115 James A. Garner Way
Hempstead, NY 11550
Attn: Irene A. Duszkievicz, Director
Phone: (516) 481-6990
irene@hemsteadlibrary.info

Repositories are temporarily unavailable due to COVID-19 precautions. You can get information about this Site at

If you cannot access the online repository at <https://gisservices.dec.ny.gov/gis/dil/>,

and specifically the link to the documents in relation to this site at <https://www.dec.ny.gov/data/DecDocs/C360186/> please contact the NYSDEC project manager listed above for assistance. Type in the site address when accessing this website and then click on DEC Information Layers link. In this link, click "Environmental Cleanup" and check all of the boxes. Then zoom in to see the documents of this site.

Appendix B - Site Contact List

Federal and State Officials		
Hon. Charles Schumer U.S. Senator 780 Third Ave., Suite 2601 New York, NY 10017	Hon. Kristen Gillibrand U.S. Senator 780 Third Ave., Suite 2601 New York, NY 10017	Kathleen M. Rice U.S. House of Representatives 229 7th Street, Suite 300 Garden City, NY 11530
Kevin Thomas N.Y. Senate District 6 990 Stewart Avenue Garden City, NY 11530	Bruce A. Blakeman Nassau County Executive 1550 Franklin Avenue Mineola , NY 11501	Sean Sallie, AICP Nassau County Planning Department, Deputy Commissioner 1194 Prospect Avenue Westbury, NY 11590
Donald X. Clavin Jr. Town of Hempstead Supervisor One Washington Street Hempstead, NY 11550	David Weiss Town of Hempstead Planning Board, Chairman One Washington Street Hempstead, NY 11550	Waylyn Hobbs, Jr. Mayor of the Village of Hempstead 99 James A. Garner Way Hempstead, NY 1155
Media Outlets		
Newsday Media Outlet 235 Pinelawn Road Melville, NY 11550		
Public Water Supplier		
Water Authority of Western Nassau County Public Water Supplier 1580 Union Tpke New Hyde Park, NY 11040		
Schools and Daycare Centers		
Dezmarie Hines The Academy Charter Elementary School 117 N Franklin Street Hempstead, NY 11550	Mr. Peterkin The Academy Charter Middle School 159 N Franklin Street Hempstead, NY 11550	Robert York St. Joseph School 450 Franklin Avenue Garden City, NY 11530
Keesha Keller David Paterson Fulton School 40 Fulton Avenue Hempstead, NY 11550	Richard Brown Jackson Main School 451 Jackson Street Hempstead, NY 11550	Gray Brain ABGS Middle School 70 Greenwich Street Hempstead, NY 11550

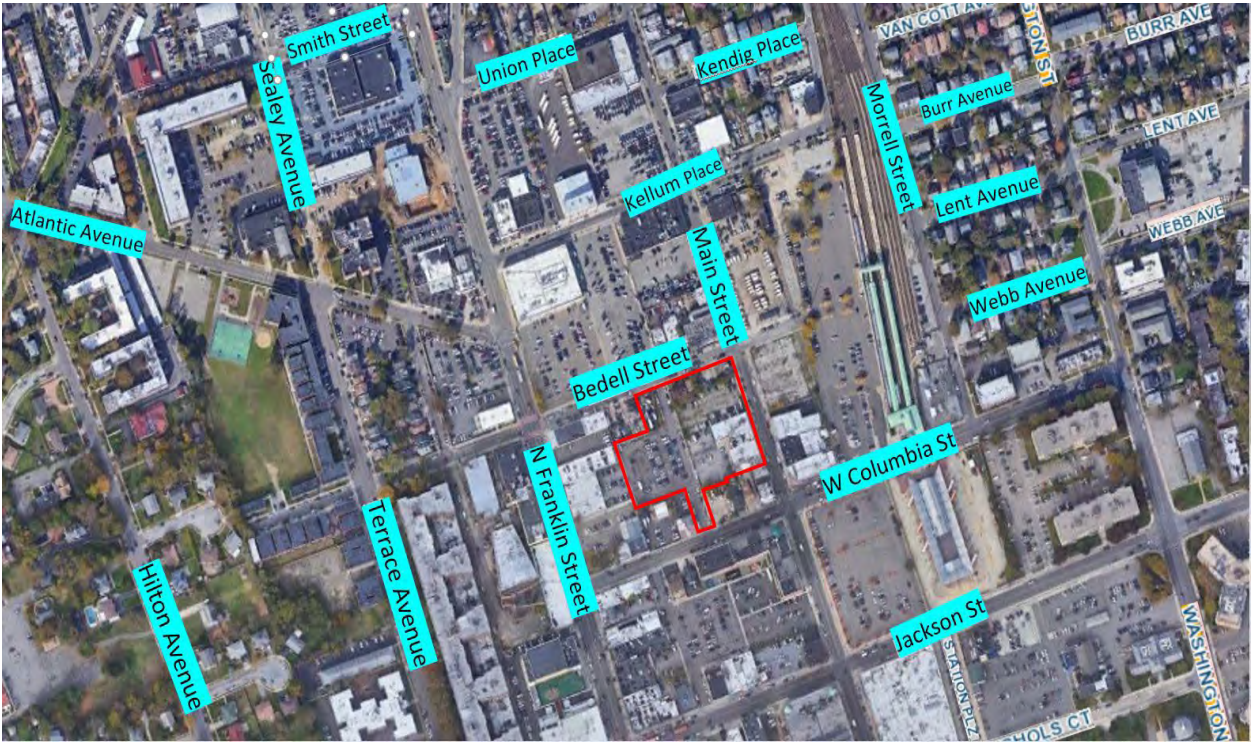
Kelly Fairclough Barack Obama Elementary School 176 William Street Hempstead, NY 11550	Cynthia Moore-Drayton Front Street Elementary School 436 Front Street Hempstead, NY 11550	Carole Eason Prospect School 265 Peninsula Blvd. Hempstead, NY 11550
Merlin E. Kunen CJ Daycare WeeCare 126 Bedell Avenue Hempstead, NY 11550	Emiliana Marino Sunshine Family Group 46 Parsons Drive Hempstead, NY 11550	Vicky McDonald Beginning and Beyond Child Care Inc. 251 Jackson Street Hempstead, NY 11550
Ms. Radha Staar Day Care WeeCare 175 Bennett Avenue Hempstead, NY 11550	Maria Campo Samantha Christian Daycare 17 Peninsula Blvd. Hempstead, NY 11550	Christie O. Ojofeitimi Rainbow Kids International DayCare 610 Front Street Hempstead, NY 11550
Ms. Jennifer Little Lighthouse Daycare 166 Crowell Street Hempstead, NY 11550	Sylvia Victor Abundance Daycare 6 Cedar Street Hempstead, NY 11550	
Adjacent Property Owners		
Rdua Parcel 3 LLC Owner of Lots 135 and 138 (Site) 9 Gerhard Road Plainview, NY 11803	Kev's Landscape and Tree Service Owner of Lot 130 (Site) 2591 Stewart Avenue Westbury, NY 11590	Stewart Plaza LTD Owner of Lot 129 (Site) 2591 Stewart Avenue Westbury, NY 11590
Lau Investment Group, Inc. Owner of Lots 8, 9, 10, 116 and 111 (Site) 134 Rockaway Avenue Garden City, NY 11530	Lau Enterprises LTD Owner of Lots 131 and 132 (Site) 134 Rockaway Avenue Garden City, NY 11530	Latinas Service Express Inc. Operator of Lot 111 (Site) 169 Main Street Hempstead, NY 11550
El Nopal Restaurant Corporation Operator of Lot 111 (Site) 167 Main Street Hempstead, NY 11550	Fatima's Hair Salon Operator of Lot 111 (Site) 165 Main Street Hempstead, NY 11550	Noble Specialists Inc. – Accounting Firm Operator of Lot 111 (Site) 169 Main Street Hempstead, NY 11550
Golden House Chinese Restaurant Operator of Lot 131 (Site) 155 Main Street Hempstead, NY 11550	El Chicanito Mexican Grill Operator of Lot 131 (Site) 161 Main Street Hempstead, NY 11550	Main Street Wireless Operator of Lot 131 (Site) 157 Main Street Hempstead, NY 11550

24 Hour Laundromat Operator of Lot 131 (Site 155 Main Street Hempstead, NY 11550	Town of Hempstead Adjacent Property Owner of 200 Franklin Street One Washington Street Hempstead, NY 11550	Rdua Parcel 5 LLC Adjacent Property Owner of Kellum Place 9 Gerhard Road Plainview, NY 11803
Jaycob LLC Adjacent Property Owner of 121 Bedell Street 220 Rockaway Avenue Westbury, NY 11590	Chelsea Real Properties II LLC Adjacent Property Operator of 127 Bedell Street 180 Hempstead Avenue West Hempstead, NY 11552	Nextgen Realty Incorporated Adjacent Property Owner of 185 Main Street 121 Old Briar Cliff Road Briarcliff Manor, NY 10510
189 Main Street LLC Adjacent Property Owner of 189 Main Street 2950 Hempstead Turnpike Levittown, NY 11756	Rdua Parcel 15 LLC Adjacent Property Owner of 180 Main Street 9 Gerhard Road Plainview, NY 11803	Concern for Independent Living, Inc. Adjacent Property Owner of Bedell Street 312 Expressway Drive South Medford, NY 11763
Rdua Parcel 12A LLC Adjacent Property Owner of Main Street 9 Gerhard Road Plainview, NY 11803	Church of God of Hempstead Adjacent Property Owner of 160 Main Street 160 Main Street Hempstead, NY 11550	Mag 158 LLC Adjacent Property Owner of 158 Main Street PO Box 580262 CT Flushing, NY 11358
153 Main Street Inc. Adjacent Property Owner of 153 Main Street 176 Mineola Blvd. Mineola, NY 11501	Shalom Agency Inc. Adjacent Property Owner of 43 West Columbia Street 43 West Columbia Street Hempstead, NY 11550	Yolany Veliz Adjacent Property Owner of 41 Columbia Street 41 West Columbia Street Hempstead, NY 11550
Medcor Holding Co. Adjacent Property Owner of 35 Columbia Street 139 Oakland Avenue West Hempstead, NY 11552	Rivoli LG Redevelopment Company LLC Adjacent Property Owner of 131-145 Main Street 301 A Central Avenue Lawrence, NY 11559	DMS of Hempstead LLC Adjacent Property Owner of 27 West Columbia Street 80 West Main Street Riverhead, NY 11901

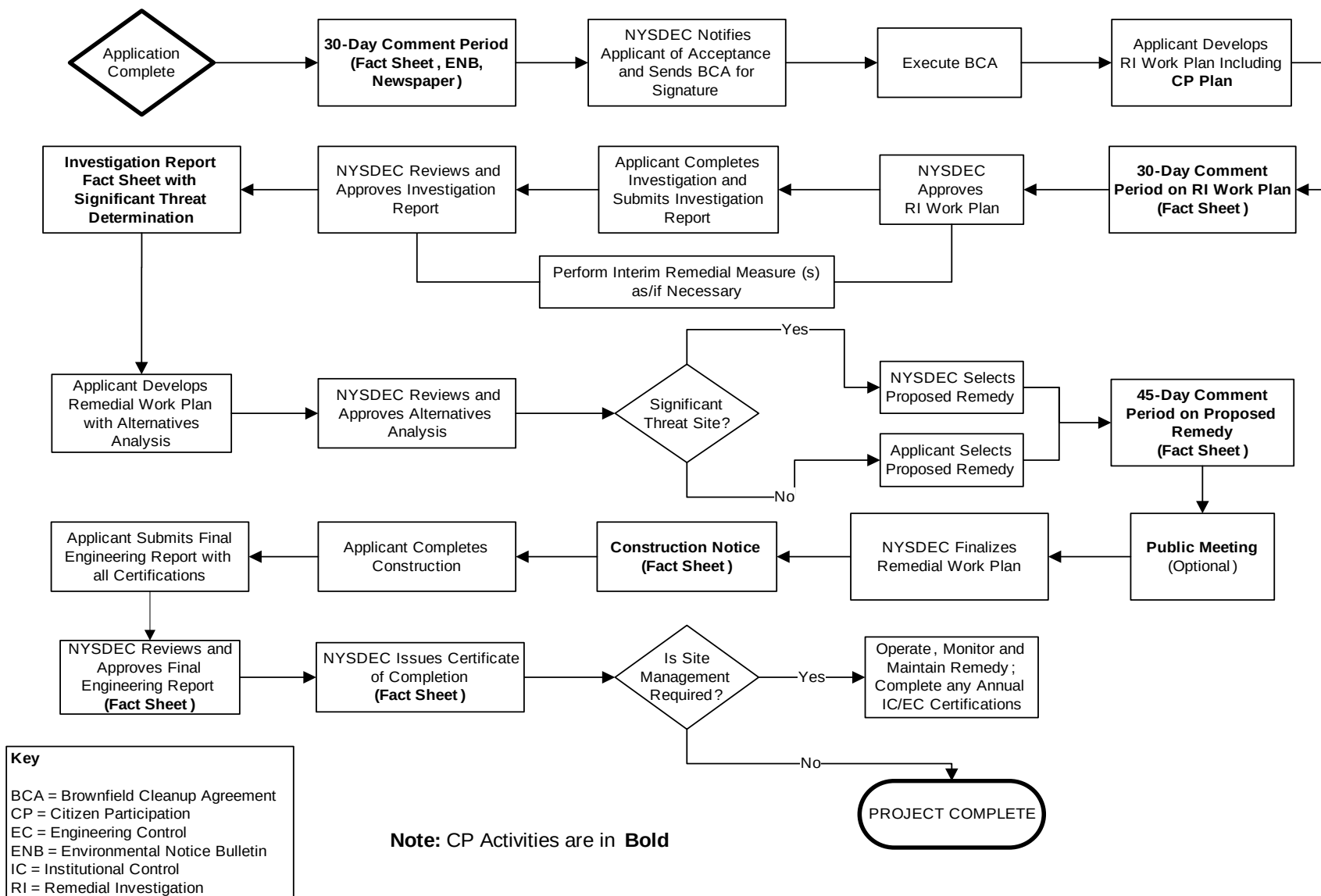
21 West Columbia Street LLC Adjacent Property Owner of 21 West Columbia Street 19 West Columbia Street Hempstead, NY 11550	19 W Columbia St LLC Adjacent Property Owner of 19 West Columbia Street 19 West Columbia Street Hempstead, NY 11550	County of Nassau Adjacent Property Owner of 156 Franklin Street 1 West Street Mineola, NY 11501
Bast Chevrolet Inc. Adjacent Property Owner of 160 North Franklin Street 22 Rancher Place Huntington, NY 11743	Iglesia Pentecostal De Salvacion Ind Adjacent Property Owner of 166-168 Franklin Street 166-168 Franklin Hempstead, NY 11550	Tiffany Crystal Corp Adjacent Property Owner of 102 Bedell Street 78 Bedell Street Hempstead, NY 11550
Robert and Diane Burgan Adjacent Property Owner of 153 Main Street 108 Bedell Street Hempstead, NY 11550	Supreme Collision Concepts Inc Adjacent Property Operator of 121 Bedell Street 121 Bedell Street Hempstead, NY 11550	AAAA Nassau Inc. Collision & Towing Adjacent Property Operator of 127 Bedell Street 127 Bedell Street Hempstead, NY 11550
Xpressions Adult Store Adjacent Property Operator of 185 Main Street 185 Main Street Hempstead, NY 11550	Village Lounge Adjacent Property Operator of 189 Main Street 189 Main Street Hempstead, NY 11550	Dell Transportation Corporation Adjacent Property Operator of 180 Main Street 178 Main Street Hempstead, NY 11550
Iglesia De Dios Adjacent Property Operator of 160 Main Street 160 Main Street Hempstead, NY 11550	Iglesia Avivamiento Mundial Pentecostal Adjacent Property Operator of 158 Main Street 158 Main Street Hempstead, NY 11550	Bella Studios Discount Furniture Adjacent Property Operator of 158 Main Street 150 Main Street Hempstead, NY 11550
Kennedy Fried Chicken Adjacent Property Operator of 158 Main Street 148 Main Street Hempstead, NY 11550	Sorto's Travel Services Adjacent Property Operator of 41 Columbia Street 43 W Columbia Street Hempstead, NY 11550	Fuentes & Son Construction Corp Adjacent Property Operator of 35 Columbia Street 35 W Columbia Street Hempstead, NY 11550

Carranza Insurance Adjacent Property Operator of 27 West Columbia Street 27 W Columbia Street Hempstead, NY 11550	Immigration Law Offices of David M. Sperling Adjacent Property Operator of 27 West Columbia Street 27 W Columbia Street Hempstead, NY 11550	Hazel's Multiple Services & Travel Adjacent Property Operator of 19 West Columbia Street 19 W Columbia Street Hempstead, NY 11550
Automatic Industries Inc Adjacent Property Operator of 19 West Columbia Street 19 W Columbia Street Hempstead, NY 11550	Genesis Hair Salon Adjacent Property Operator of 19 West Columbia Street 19 W Columbia Street Hempstead, NY 11550	Sports Medicine & Spine Rehabilitation PC Adjacent Property Operator of 160 North Franklin Street 160 N Franklin Street Hempstead, NY 11550
Nassau County WIC Program Adjacent Property Operator of 160 North Franklin Street 160 N Franklin Street Hempstead, NY 11550	Iglesia Pentecostal Roca De Adjacent Property Operator of 166-168 Franklin Street 166 N Franklin Street Hempstead, NY 11550	Rivoli House Adjacent Property Operator of 131-145 Main Street 30-40 W Columbia Street Hempstead, NY 11550
Red Door Learning Centers Adjacent Property Operator of 131-145 Main Street 30 W Columbia Street Hempstead, NY 11550	GT Videography Adjacent Property Operator of 131-145 Main Street 147 Main Street, Suite 2 Hempstead, NY 11550	Michelle Photo Studio Adjacent Property Operator of 131-145 Main Street 147 Main Street Hempstead, NY 11550
Shira Portnoy Adjacent Property Operator of 131-145 Main Street 135 Main Street Hempstead, NY 11550		

Appendix C - Site Location Map



Appendix D– Brownfield Cleanup Program Process





Department of
Environmental
Conservation

Division of Environmental Remediation

Remedial Programs Scoping Sheet for Major Issues of Public Concern (see instructions)

Site Name: Carman Place Site

Site Number: C130250

Site Address and County: 122 & 126 Bedell St., 155-161 Main St., Bedell Street and Columbia St., Hempstead, NY Nassau County

Remedial Party(ies): Carman Place Apartments, LLC

Note: For Parts 1. – 3. the individuals, groups, organizations, businesses and units of government identified should be added to the site contact list as appropriate.

Part 1. List major issues of public concern and information the community wants. Identify individuals, groups, organizations, businesses and/or units of government related to the issue(s) and information needs.

The list of potential impacts contained in the CPP are typical impacts related to remediation on brownfield sites.

How were these issues and/or information needs identified?
See response above.

Part 2. List important information needed **from** the community, if applicable. Identify individuals, groups, organizations, businesses and/or units of government related to the information needed.
Nothing is needed from the community at this time

How were these information needs identified?
NA

Part 3. List major issues and information that need to be communicated **to** the community. Identify individuals, groups, organizations, businesses and/or units of government related to the issue(s) and/or information.

Communication of each step in the BCP process must be communicated in Fact Sheets and public hearings if required.

How were these issues and/or information needs identified?
This is part of the CPP process.

Part 4. Identify the following characteristics of the affected/interested community. This knowledge will help to identify and understand issues and information important to the community, and ways to effectively develop and implement the site citizen participation plan (mark all that apply):

a. Land use/zoning at and around site:

☒ **Residential** ☐ **Agricultural** ☐ **Recreational** ☒ **Commercial** ☒ **Industrial**

b. Residential type around site:

☒ **Urban** ☐ **Suburban** ☐ **Rural**

c. Population density around site:

☒ **High** ☐ **Medium** ☐ **Low**

d. Water supply of nearby residences:

☐ **Public** ☐ **Private Wells** ☒ **Mixed**

e. Is part or all of the water supply of the affected/interested community currently impacted by the site?

☐ **Yes** ☒ **No**

Provide details if appropriate:

[Click here to enter text.](#)

f. Other environmental issues significantly impacted/impacting the affected community?

☐ **Yes** ☒ **No**

Provide details if appropriate:

[Click here to enter text.](#)

g. Is the site and/or the affected/interested community wholly or partly in an Environmental Justice Area?

☒ **Yes** ☐ **No**

h. Special considerations:

☒ **Language** ☐ **Age** ☐ **Transportation** ☐ **Other**

Explain any marked categories in **h**:

All Facts Sheets will be translated to Spanish

Part 5. The site contact list must include, at a minimum, the individuals, groups, and organizations identified in Part 2. of the Citizen Participation Plan under 'Site Contact List'. Are *other* individuals, groups, organizations, and units of government affected by, or interested in, the site, or its remedial program? (Mark and identify all that apply, then adjust the site contact list as appropriate.)

☐ **Non-Adjacent Residents/Property Owners:** [Click here to enter text.](#)

☐ **Local Officials:** [Click here to enter text.](#)

☐ **Media:** [Click here to enter text.](#)

☐ **Business/Commercial Interests:** [Click here to enter text.](#)

☐ **Labor Group(s)/Employees:** [Click here to enter text.](#)

☐ **Indian Nation:** [Click here to enter text.](#)

☐ **Citizens/Community Group(s):** [Click here to enter text.](#)

☐ **Environmental Justice Group(s):** [Click here to enter text.](#)

☐ **Environmental Group(s):** [Click here to enter text.](#)

☐ **Civic Group(s):** [Click here to enter text.](#)

☐ **Recreational Group(s):** [Click here to enter text.](#)

☐ **Other(s):** [Click here to enter text.](#)

Prepared/Updated By: Linda R. Shaw, Esq.

Reviewed/Approved By: [Click here to enter text.](#)

Date: 2/6/2023

Date: [Click here to enter text.](#)