Site Management Plan
Los Flamboyanes
Rochester, New York

Prepared for:

Ms. Kimberlie M. Burkhart
Landsman Real Estate Services, Inc.
3 Townline Circle
Rochester, New York 14614

Prepared by:

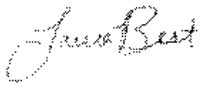
Stantec Consulting Services Inc.
61 Commercial Street, Suite 100
Rochester, New York 14614

Project No. 195602766
July 2023

This document, entitled “Site Management Plan, Los Flamboyanes, Rochester, New York”, was prepared by Stantec Consulting Services Inc. (“Stantec”) for Landsman Real Estate Services, Inc. (Landsman, the “Client”). The material in it reflects Stantec’s professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes in conditions or information. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by 
(signature)

Stephanie Reynolds-Smith, PG
Associate Hydrogeologist

Technical Review by 
(signature)

Laura Best, PG
Hydrogeologist

Independent Review by 
(signature)

Craig Gendron, PG, PE, LSRP
Senior Principal

Table of Contents

LIST OF FIGURES

LIST OF APPENDICES

Abbreviations

ACM	Asbestos Containing Material
BUD	Beneficial Use Determination
CAMP	Community Air Monitoring Plan
DEQ	Division of Environmental Quality
DER-10	DER-10 Technical Guidance for Site Investigation and Remediation
DPW	Division of Pure Waters
EC	Engineering Control
ELAP	Environmental Laboratory Approval Program
SMP	Site Management Plan
ESA	Environmental Site Assessment
eV	electronVolt
ft bgs	feet below ground surface
HASP	Health and Safety Plan
HUD	U.S. Department of Housing and Urban Development
IDW	Investigation-Derived Waste
MCDES	Monroe County Department of Environmental Services
NLLAP	National Lead Laboratory Accreditation Program
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OSHA	Occupational Health and Safety Administration
PAH	Poly-Nuclear Aromatic Hydrocarbon
PCBs	Polychlorinated Biphenyls
PID	Photoionization Detector
POGW	Protection of Groundwater
PPE	Personal Protective Equipment
QEP	Qualified Environmental Professional
REC	Recognized Environmental Condition
RU	Residential Use
SCO	Soil Cleanup Objective
SMP	Site Management Plan
SSD	Sub-Slab Depressurization
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TOGS	Technical and Operational Guidance Series
TPH	Total Petroleum Hydrocarbons
UFPO	Underground Facilities Protection Organization
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1.0 INTRODUCTION

This document presents a Site Management Plan (SMP) to be used during excavation and construction activities for the Los Flamboyanes Project ("Project"). The Project includes the following four parcels (hereinafter referred to as the "Property"):

- 675 North Clinton Avenue (Parcel ID: 106.46-2-24);
- 676 North Clinton Avenue (Parcel ID: 106.47-1-1);
- 720 North Clinton Avenue (Parcel ID: 106.39-4-63); and
- 744 North Clinton Avenue (Parcel ID: 106.39-4-64).

The Property location is depicted on Figure 1.

It is understood that Landsman Real Estate Services, Inc. (Landsman) proposes to redevelop portions of the Property including demolishing existing townhouses on the 676, 720 and 744 North Clinton parcels, renovating a new high rise apartment building on the 720 North Clinton parcel, and rebuilding the townhouse units on the 675 North Clinton parcel.

The Project is being supported by New York State Homes and Community Renewal (HCR). This SMP has been developed in connection with the process for obtaining environmental clearance of the Project by HCR. The SMP has also been developed with the understanding that the City of Rochester must provide environmental approvals.

2.0 BACKGROUND INFORMATION

Stantec performed a Phase I Environmental Site Assessment for the Property in December 2015. The Phase I revealed the following evidence of recognized environmental conditions (RECs) in connection with the Property.

- Staining and petroleum odors were observed around two pad mounted transformers on the Property. Although PCBs were not detected in prior surface soil samples collected within the stained area, the observed staining and odors were considered to be an REC for the Property.

- Four fuel oil tanks were depicted, one on each parcel, on the undated survey maps and a prior Phase I ESA identified a permit issued in 1991 for the removal of four 10,000-gallon fuel oil USTs. A tank closure report was not provided, thus we were not able to verify the reported removal of these tanks. Additionally, it was unknown if soil samples were collected to confirm that the surrounding soil was not impacted.

- Historical uses of the Property included dry cleaners (675, 676, and 720 North Clinton), auto repair/sales/parts facilities (744 North Clinton), fire engine house (676 North Clinton), junk yard (720 North Clinton), electrical contractors (720 North Clinton), printing company (744 North

Clinton), coal and coke company (720 North Clinton), paint storage (675 North Clinton), and an oil burning system manufacturing agent (720 North Clinton).

- Multiple spills were identified for 799 North Clinton Avenue, located approximately 0.08 miles (420+/- ft.) north of the Property. A subsurface investigation encountered metals, solvent and multiple areas of petroleum impacts in soils. The spill file for this incident remains open and no information regarding cleanup was provided. Given the lack of cleanup information, active spill status, proximity of this incident to the Property and the potential for impacted groundwater or soil vapor to travel along preferential pathways such as utility lines located along North Clinton, there is potential that the Property has been impacted.

Ravi Engineering & Land Surveying, P.C. (Ravi) conducted a Phase I ESA for the Property in April 2021. The 2021 identified the following RECs:

- Potential contaminated soil and/or groundwater from historic dry cleaners and auto stations; and

- Potential contaminated soil and/or groundwater related to the USTs that were removed in 1991.

A Phase II Environmental Site Assessment (ESA) was conducted in May 2022 to characterize subsurface media on the four parcels to assess for potential environmental impacts related to the historical usage of the parcels as an automotive junk yard, fire engine house, electrical contractors, printing company, paint storage facility, dry cleaning facility, and coal and coke company.

The following scope of work was completed as part of the Phase II ESA:

- Preliminary ground-penetrating radar (GPR) survey of sampling locations;
- Installation of thirteen (13) test borings and four (4) bedrock interface groundwater monitoring wells;
- Well purging and development with associated field testing of turbidity;
- Collection of soil and groundwater samples and submission of the samples for laboratory analysis;
- Containerization of investigation-derived waste (IDW);
- Generation of figures depicting investigation locations and associated activities at the Property;
- Generation of tables summarizing field data; and
- Comparison of analytical results to applicable regulatory criteria.

Investigation locations are shown on Figures 2A though 2D. Data collected during the Phase II ESA has provided the following findings.

- None of the soil samples analyzed had exceedances of polychlorinated biphenyls (PCBs) above applicable New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) and, based on these data, do not appear to represent a concern in soil for the Property.

- Commonly occurring metals (calcium, magnesium and iron) were detected in the soil samples analyzed for metals above the applicable NYSDEC SCOs and Commissioner's Policy (CP-51) Soil Cleanup Levels (SCLs). These metals are often present in soil and the concentrations are generally consistent with the concentrations of these naturally occurring metals at other locations within the City of Rochester. Based on this analysis, the detections of commonly occurring metals in soil does not appear to be a site concern.

- Fill with urban fill components (brick, cinders, glass, asphalt and/or concrete) was observed throughout the Property ranging from 2.2 to 8.8 ft thick. In one location (TB-7), wood debris with a creosote like odor and slightly elevated PID readings was observed in the fill. Several exceedances of applicable SCOs and SCLs were identified from samples collected within urban fill:

    - TB-9 had a detection of lead (517 mg/kg) above the SCOs for restricted residential (RR) use (400 mg/kg) and Protection of Groundwater (POGW) (450 mg/kg). The sample collected from TB-9 was collected from 1 to 4 ft bgs where bricks, sand, gravel, and cinders were observed.

    - TB-7, which was collected between 6 and 8 ft bgs from an interval containing urban fill and wood debris with a creosote like odor, had seven semi volatile organic compounds (SVOCs) and one volatile organic compound (VOC) detected above applicable SCOs/SCLs.

    - One SVOC (Benzo(b)fluoranthene) was detected in TB-12 above the Restricted Residential Soil Cleanup Objective (RR SCO) and fuel oil contaminated soil SCL. This sample was collected from 1 to 3 ft bgs in fill containing sand, gravel, brick fragments, and trace cinders.

- No SVOCs or VOCs were detected in groundwater samples above NYSDEC Class GA Water Quality Standards and Guidance Values (SGVs) for groundwater.

The Phase II ESA report recommended that a Site Management Plan (SMP) be developed and implemented so that, during site-development, the soils containing the urban fill components across the Property can be properly managed and addressed as encountered during redevelopment of the Property, whether taken off-site for disposal to ensure proper disposal of soils that need to be removed from the Property or remaining on-site to limit contact the public has with impacted materials after development.

Additionally, given the exceedance of lead above RR Use in shallow soils (between 1 and 4 ft), the Phase II ESA recommended that placement of either a cap (such as concrete, asphalt or building foundation) or two feet of clean fill be considered during site redevelopment across the Property.

3.0 SITE MANAGEMENT PLAN

3.1 OBJECTIVES

The SMP describes procedures and methods to be used to address known and potential impacts from surface and subsurface environmental contamination that may be encountered during Project construction and excavation activities. The SMP is intended to provide guidance for the identification, characterization, and management (on-site handling and ultimate on- or off-site disposition) of environmentally impacted soil and other surficial and subsurface materials that may be encountered during excavation or construction. This SMP is not intended to provide guidance on above ground materials, such as building and demolition materials and activities, such as building demolition and interior construction/renovation tasks.

The SMP specifies screening procedures to be used during subsurface excavation or construction activities and health and safety and materials-handling and disposal procedures to be used during those activities to address known conditions and to address currently-unknown conditions should contaminated soil or groundwater or other evidence of unanticipated potential contamination be encountered.

Proper management of impacted soil and, if encountered, groundwater requires that care be taken in identifying and characterizing the soil and groundwater encountered or disturbed during site development. Careful monitoring and characterization must allow for determination of the appropriate status of the materials (whether regulated or non-regulated) which will in turn allow for re-use of the soil on the Project Property as clean fill if appropriate, proper implementation of engineering and institutional controls if the soil is to remain on-site, proper off-site beneficial use or controlled off-site disposal as waste.

3.2 NOTIFICATIONS, REVIEWS AND APPROVALS

The SMP is subject to review and approval by HCR and the City of Rochester before it can be implemented. Advance approval by the City is also required before modifications to the SMP can be implemented, and approval from the City must be received for all off-site soil re-use sites and off-site waste disposal sites before Project materials can be transported to an off-site location. Finally, the City must be notified in advance of the start of ground-intrusive Project activities, and City personnel or a third-party representative of the City must have free access to observe Project work as necessary to monitor compliance with the SMP. Contact information for the City regarding requests to modify this SMP and notifications for ground-breaking is provided in Section 3.8.

3.3 CONSTRUCTION PLANNING CONSIDERATIONS

During planning for the construction activities of the Project, the following elements will, or may be, affected by environmental management requirements:

- It is anticipated that contaminated material that is not eligible for beneficial use will be transported to a regulated landfill for disposal off-site in accordance with the subsequent provisions of this SMP and Part 360 requirements.

- Scheduling of construction must allow for management of unanticipated potentially contaminated material that is encountered during the course of construction. Should unanticipated materials or conditions be observed during excavation work, additional sampling may be required. Sampling will entail laboratory analysis, which typically takes at least a few days, and perhaps considerably longer, to be completed. Construction schedules and design plans must allow for adequate flexibility for sampling, segregation, and temporary stockpiling of unanticipated materials on-site.

- Construction schedules must also provide both contingency time and measures to address variability in subsurface conditions and the presence of groundwater. For example, if hazardous conditions are encountered, additional site safety measures and use of personal protective equipment (PPE) by site workers may be required, as well as additional community air monitoring. Excavation dewatering and work stoppage could also affect construction schedules and costs.

- Given the exceedance of metals and PAHs above RR Use in shallow soils (between 1 and 4 ft), either a cap (such as concrete, asphalt or building foundation) or two feet of clean fill will be placed during site redevelopment across the Property as an Engineering Control (EC). Thus, where the planned depth for construction-related excavation to place topsoil or landscaping cover is less than 2 feet (ft), over-excavation and removal of urban fill to the bottom of the urban fill or a maximum depth of 2 feet may be required in order to establish a 2-foot thickness of clean cover. This may generate additional fill material for off-Site disposal beyond the volume that would otherwise have been removed for construction. Similarly, where construction excavation is performed to prepare other Site areas to be covered by landscaping beds or lawn areas, over-excavation to a depth of 2 feet bgs may be necessary to remove urban fill prior to placement of landscaping soil. The over-excavation to a depth of 2 feet would allow for 2 feet of clean soil to be installed as cover. Prior to placement of clean cover, a demarcation layer, such as construction fencing, will be required. As an alternative to a Property-wide EC, such as a cap or placement of two feet of clean fill, a sampling program may be implemented under the direction of a QEP as per Section 3.4.3. In the event that an approved surface soil sampling program demonstrates that surface soils are suitable for restricted residential development in the designed green-space areas, the location of the shallow exceedances (i.e. TB-9 and TB-12) will be capped or remediated separately via excavation in a 5 ft x 5 ft area around the investigation location to a depth of 2 ft followed by confirmatory sampling and backfill with clean soil.

  As with all underground excavation work, the parties performing invasive subsurface work are responsible for the safe performance of the work, including the provisions of Occupational Health and Safety Administration (OSHA) regulations (i.e., 1910.120, etc.), the integrity and safety of excavations, and for protection of structures that may be affected by excavations (such as

underground or aboveground utility lines, sidewalks or road surfaces and building foundations). Prior to commencement of any intrusive work, the presence of utilities and easements on the Property must be ascertained via a Dig Safely NY stakeout, review of utility drawings, exploratory excavations or other tactics, such as Ground Penetrating Radar (GPR), and interviews with knowledgeable parties to determine if they are likely to be encountered so that appropriate plans can be developed.

- Development plans for the Project may include installation of a passive sub-slab depressurization (SSD) system in each new Project building as an engineering control to mitigate the potential for vapor intrusion of contaminant compounds into the new buildings. Construction plans may also call for installation at each unit of the electrical components that would be needed for installing and operating an SSDS fan should an active system be warranted at any given unit.

  The Property is not known at this time to have VOC contamination concerns, the potential need for installing an active system for each new structure may need to be evaluated prior to occupancy by testing indoor air on the lowest level of the building for both radon and VOCs using standard methods. Results of that testing should be used to determine if conditions meet USEPA Action Level guidance for radon in indoor air (do not exceed 4 picoCuries per liter) and meet general recommendations for VOCs in indoor air published by the New York State Department of Health (are below the concentration thresholds established in NYSDOH's May 2017 Soil Vapor Intrusion Evaluation guidance matrices). If they do not meet either of those criteria, further testing or implementation of active SSD may be warranted.

3.4 IDENTIFICATION AND CHARACTERIZATION OF ENVIRONMENTAL IMPACTS

3.4.1 Monitoring During Excavation

Monitoring of materials encountered during construction is generally needed for three reasons:

- To protect the health and safety of project site workers during construction,
- To determine that soil/fill materials and groundwater conditions are consistent with the results of the previous characterization and sampling that has been performed, and
- To facilitate the proper and complete characterization of materials to be removed in accordance with disposal or re-use site requirements and applicable local, state and federal regulations.

3.4.1.1 Health and Safety Monitoring

Past investigations have shown that fill materials will be encountered during construction activities, and that contaminated soil is present in the area. Based on the historical uses of the project area, other contaminated materials may be encountered. These include materials that could be present in site fill,

contaminated soil in areas of past fuel storage or equipment maintenance, and contaminants that may be present in groundwater.

General groups of potentially hazardous materials subject to health and safety planning include:

- VOCs – can be related to former gasoline station operations or residential petroleum storage, also with paint or solvents.
- Semi-volatile organic compounds (SVOCs) – some are present in fuel-oil, also in motor oil or other lubricants or waste oil; Poly-Nuclear Aromatic Hydrocarbons (PAHs) commonly result from the incomplete combustion of organic matter including fossil fuels, such as coal or fuel oil, and are often found in ash, cinders and soot.
- Metals – present incidentally in ash and cinders or other fill materials.
- PCBs – can be associated with electrical equipment fluids or hydraulic oils.
- Pesticides and herbicides – could have been used in yard maintenance activities.

While all of these groups were not sampled for and/or identified above applicable standards during the Phase II ESA; this does not preclude the potential for unidentified contamination to be encountered during excavations.

Health and safety planning must also give consideration to other construction-related issues, such as use of heavy equipment, weather conditions, confined space entry, excavation safety and other construction-related Occupational Health and Safety Administration (OSHA) regulations.

Health and safety planning must be performed prior to construction activities. This should include the preparation of a written Health and Safety Plan (HASP) for construction activities. The HASP would be based on the results of the previous chemical analyses, information specific to the proposed development, specific construction tasks to be completed and the potential for exposure of Site workers to the Site contaminants.

Previous investigations show that the potential for worker exposure exists. Therefore, all contractors and developers involved in earth moving and excavation activities must consider the need for health and safety planning relative to their specific tasks and planned activities. Furthermore, if unanticipated hazardous waste or potentially hazardous conditions are encountered during project excavation activities, further work at the site is to be stopped until qualified contractor personnel with current OSHA HAZWOPER Health & Safety training (and equipped with appropriate personal protective and monitoring equipment) can be mobilized to continue the work until potentially hazardous conditions have been addressed or eliminated.

Presently available information indicates that site conditions do not warrant preparation and implementation of a Community Air Monitoring Plan (CAMP). However, should either (1) visible dust

depart the site that cannot be controlled with dust suppression, or (2) contamination be encountered that could present a risk of exposure to neighboring residents or others in the community from airborne vapors or particulates (dust) that may be generated during excavation or site grading activities, it may be necessary to implement a CAMP in the future. If a CAMP is needed, it should reflect the approach outlined in the NYSDOH Generic CAMP as described in Appendices 1A and 1B of the NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (DER-10). A copy of the Generic CAMP from DER-10 is presented in Appendix B. To guard against potential exposures of site workers and neighborhood residents to ACM encountered during soil excavation activities at the Property, implementation of a CAMP is required during excavation of every occurrence of a significant concentration of ACM demolition debris that may be encountered during project development activities.

Should suspect ACM be encountered during excavation work, the Contractor shall spray down the material with water and surfactant and place the material on poly sheeting until it can be confirmed if ACM is present. If it is determined that ACM is present then work shall continue by a licensed Asbestos Abatement Contractor in accordance with New York State Industrial Code Rule 56.

3.4.1.2 Soil/Fill/Groundwater Monitoring

Field monitoring of soil and fill materials that are excavated, groundwater that is pumped during construction, and accumulated surface water must be performed during all excavation and invasive work performed during development, such as excavations for foundations, utility work, etc.. Visual, olfactory and instrument-based (e.g. photoionization detector) soil screening must be performed by a trained environmental engineer, scientist, or geologist working under the direction of a qualified environmental professional (QEP) during all excavations into known or potentially contaminated material (like urban fill). Monitoring must generally consist of documentation of visible characteristics of the soil, fill and groundwater encountered, including obvious staining, sheens, odors, or other indicators of contamination such as oils, tars or containers. Monitoring must be performed during all earth moving, excavation, and groundwater work.

Portable monitoring instruments are available to assist in field monitoring of materials. Such instruments are primarily used for detection of VOCs or dust and particulates. Types of instruments available for this purpose include:

- PIDs such as a MiniRae 3000 or equivalent – These instruments operate by pumping a sample of ambient air into a chamber where the air is ionized using a light source of specific energy (10.2, 10.6, or 11.7 eV).
- Combustible gas meters/gas monitors – These instruments are capable of measuring combustible gases such as petroleum vapors, methane or hydrogen sulfide and would be used during construction activities if orphan petroleum storage tanks or large amounts of wood debris such as railroad timbers are encountered.
- Dust/Particulate Meters (aerosol monitors such as a TSI DustTrak II or equivalent) – These instruments are capable of measuring dust and particulates in ambient air.

These instruments must be operated by individuals trained and experienced in their use, limitations and capability for data generation. Readings generated from monitoring instruments must be recorded in the field along with visual observations and calibration records.

As long as excavation monitoring at the Property shows soil, fill, and groundwater material to be either uncontaminated or consistent with the findings for that property that were documented by the results of the Phase II ESA, then the material will be manageable as determined prior to construction as detailed in this SMP. If conditions are different from those anticipated, then sampling and additional characterization may be necessary.

3.4.2 Additional Soil, Fill and Groundwater Characterization

Supplemental sampling of excavated soil or subsurface materials or groundwater removed during subsurface work must be conducted as detailed in this SMP and if conditions encountered during construction are significantly different than those observed during pre-construction investigations. Examples include unusual odors or visual observations such as unusual colors, stained soils, petroleum sheens or free-product, concentrations of demolition or debris or waste material, buried tanks, vaults, drums, containers, or unknown piping, etc.

In these situations, sampling frequency and analyses will depend on the types, conditions and quantities of material encountered and the anticipated re-use, re-cycling or disposal of the removed materials. The associated chemical analysis of samples obtained must adequately characterize materials in light of current NYSDEC 6 NYCRR Part 375 or Commissioner's Policy CP-51 Recommended SCOs, and/or permitted disposal or wastewater treatment facility requirements, depending on the intended destination of waste materials.

Potentially impacted soil and soil with known or apparent impacts intended for re-use off-site or being considered for re-use on the Property must have been tested in accordance with the procedures and sampling frequency specified in 6NYCRR 360.13, if testing is deemed necessary based on the Part 360 Fill Type.

Characterization of soil for the purposes of obtaining approval for disposal at a permitted solid waste landfill may include some, or all, of the following analyses:

- Total or TCLP SVOCs;
- Total or TCLP VOCs;
- Total or TCLP Metals;
- Total or TCLP Pesticides and Herbicides;
- PCBs;

- Bulk asbestos; and
- pH, Ignitability (or Flashpoint), and Reactivity.

Generally speaking, groundwater was encountered in bedrock at depths ranging from approximately 9.6 to 14.8 ft bgs during the Phase II ESA investigation activities. If groundwater is encountered during construction under conditions where pumping of groundwater from excavations becomes necessary, sampling of groundwater must be completed as detailed in this SMP, such as when there is visual, olfactory, or PID indications of petroleum or other contamination from a historical release. In order to obtain approval to discharge potentially impacted groundwater to the Monroe County sewer system, the typical wastewater analyses that may be required include:

- Total VOCs, SVOCs (Acids and Base Neutrals), PCBs and chlorinated Pesticides;
- Total Petroleum Hydrocarbons (TPH); and
- arsenic, cadmium, chromium, copper, lead, nickel, silver and zinc.

A copy of a Monroe County Department of Environmental Services Specialty Short Term Discharge Permit application is presented in Appendix C.

Analysis of samples collected for characterization of excavated materials or groundwater or other liquids generated by construction activities must be analyzed by an environmental testing laboratory accredited to perform the required analyses under the NYSDOH ELAP.

3.4.3 Supplemental Shallow Soil Sampling

HCR typically requires, as a condition for environmental clearance of the project, that if any bare soil or play areas will be present following completion of construction the surface soil in those areas be sampled for lead in accordance with HUD guidance following construction to confirm that lead concentrations in soil in those areas are less than the HUD guideline of 400 mg/kg. Sampling must be performed under the direction of a QEP, and analysis of the samples must be performed by a laboratory certified under the National Lead Laboratory Accreditation Program (NLLAP).

In addition, this sampling program is recommended to include a full metals list and PAH analyses on at least a portion of the samples given the indications that they are present. If 2 feet of clean cover or other cap (i.e. building, asphalt) is installed, then it is assumed that this sampling program would not be needed.

3.5 MANAGEMENT OF EXCAVATED MATERIAL

Management of soil/fill excavated during construction activities must be performed in accordance with local, state and federal regulations. Methods to be used will depend on the nature and levels of

contaminants present in the material and on the options for re-use or off-site disposal that are available at the time the work is performed.

3.5.1 Over-Excavation in Landscaping Areas

Urban fill, which is fill material containing non-native components such as ash, cinders and slag which may have contaminant concentrations above NYSDEC SCOs (as identified by Phase II sampling), was observed in the subsurface in areas of the Site. Landscaped areas will be required to have at least two feet of clean cover over underlying soil containing urban fill. Where the planned depth for construction-related excavation to place topsoil or landscaping cover is less than 2 feet, over-excavation and removal of contaminated urban fill to a depth of 2 ft may be required in order to establish the required 2-foot thickness of clean cover.

3.5.2 Re-Use of Excavated Materials

3.5.2.1 Soil Material Without Known Impacts

1. Previously Undisturbed and Non-Impacted Native Overburden

For the purposes of this SMP, it is presumed that throughout the Project area, undisturbed native overburden present beneath fill material, or beneath well-established topsoil layers at locations where fill deposits may be absent, can be managed for re-use on the Property as clean backfill or cover material on-site without testing (Part 360 Fill Type 1). This presumption only applies if the native overburden:

- exhibits physical characteristics which identify it as undisturbed natural soil (characteristics such as sedimentary bedding or recognizable glacial till fabric);
- exhibits no apparent staining, no petroleum, solvent or chemical odors, no VOC impacts based on field monitoring results, and no other visible evidence of potential contamination; and
- is unsaturated (occurs above the water table), or if below the water table has been field-screened and exhibits no evidence of VOC or other contamination.

This presumption is based on the results of the soil sampling and analysis performed during the Phase II ESA, which indicated that the contamination present on project properties is essentially limited to urban fill and only to metals and PAHs in the urban fill, contaminant classes with low mobility in soil. This presumption would not apply if unanticipated petroleum contamination or industrial waste materials, or any other evidence of a release of oil or hazardous materials were to be encountered in overlying fill deposits during construction.

2. Non-Native Material (Fill) Without Apparent Impacts

Excavated non-native material consisting of only silt, sand, gravel and rock and without urban fill components such as ash and cinders can be managed for re-use as fill on Site without further testing subject to the following requirements:

- Environmental monitoring during the excavation of the fill material must be performed to determine and document that it contains no more than a de minimis component of ash, cinders, brick fragments, concrete pieces, wood, asphalt, and/or glass. Soil containing layers or pockets of ash and cinders material or urban fill that are more than a few inches thick and are laterally extensive for multiple feet must be segregated from other material slated for re-use and managed as specified in this plan for appropriate off-site disposal as regulated solid waste. Pockets or large items of debris such as bricks, wood, foundation stone, or pipes must similarly be segregated and managed for appropriate off-site recycling or disposal.

- The soil must not exhibit evidence of staining, petroleum, solvent or chemical odors, VOC impacts (based on field monitoring results), or other evidence of potential contamination.

- Fill soil which meets the two criteria listed above must if re-used on-Site be covered with 12 inches of soil or clean fill that contains only silt, sand, gravel and/or rock (i.e. Part 360 Fill Type 1 or Fill Type 2 containing no non-soil constituents such as brick pieces) or some other Engineering Control (EC). This is described in the conditional exemption for on-site re-use of excavated material described in Part 360.12 and Section 3.7, Engineering Controls.

3.5.2.2 Environmentally Impacted Excavated Material

This section describes the methods to be followed for re-use of impacted materials on the Property. ‘Re-use on the Property’ means re-use on the property of material that originates at the Property and which does not leave the Property during the excavation.

Materials that will be re-used on the Property must be segregated based upon field screening, previous investigation findings, and/or additional pre-construction and/or construction sampling and analyses. A QEP must oversee the proper management of the excavated material for re-use on the Property and ensure that procedures defined for materials re-use in this SMP are followed.

Results of prior investigations indicated urban fill in some areas of the Property may have concentrations of metals and PAHs exceeding RR SCOs. As such, urban fill – and soil that exhibits evidence of potential contamination – must not be considered appropriate for on-Site re-use for purposes other than as excavation backfill and must not be used without having been tested. Potentially contaminated urban fill and soil that has been confirmed by analysis to be acceptable for re-use on the Property must be placed below an impervious surface or one foot of clean soil cover and must not be re-used within a cover soil layer or as backfill for subsurface utility lines. The analyses must have included the following:

- TCL and CP-51 list VOCs, analyzed by USEPA SW846 Method 8260 (if there is evidence of VOC impacts);
- TCL SVOCs, analyzed by USEPA SW846 Method 8270;
- TCL Pesticides/Herbicides and PCBs by USEPA SW846 Methods 8081/8151 and 8082; and
- NYSDEC DER-10 Appendix 5 metals and cyanide (also listed in 6 NYCRR Part 375 Table 375-6.8(b)), all by applicable SW846 Methods.

Excavated materials with high PID readings or with signs of staining or petroleum product or nuisance odor must not be considered appropriate for re-use on the Property and must be managed for proper disposal off of the Property. Organic matter debris (wood, roots, stumps, etc.) encountered during construction excavations and other solid waste derived from clearing and grubbing of the Site must not be re-used on-Site.

3.5.2.3 Uncontaminated Bedrock

Rock debris produced by excavation of undisturbed bedrock during excavations may be re-used on-site. The material to be re-used must not exhibit evidence of staining, petroleum, solvent or chemical odors, VOC impacts (based on field monitoring results), or other evidence of the potential presence of contamination. The maximum length or width of an individual piece rock debris that may be re-used is 3 feet; approximate average thickness should be no more than 18 inches. Larger pieces will need to be broken before re-use. Unless capped by pavement, eligible material must be placed at a depth that will allow a minimum of two (2) feet of surface cover, and the top 12 inches of the clean fill must contain only silt, sand, and/or gravel (the top 12 inches may not contain non-soil constituents such as brick pieces; i.e. Part 360 Fill Types 1 and 2).

Information must be provided to the City's Bureau of Buildings & Zoning for each of the Project Properties (by address) at which the rock debris material has been re-used for grade re-adjustment or backfill. The information to be provided must include the approximate amount of material placed and a rough sketch of the location and depth of the rock debris on the property. The City will update the building permit for the Property with the information provided. The information is to be provided to the City of Rochester's Permit Office at City Hall, Room 121B.

3.5.2.4 Recognizable and Uncontaminated Coarse Inert Debris

Select construction and demolition debris (concrete, asphalt pavement, building stone, and brick from prior demolition of on-site structures) that is excavated may be re-used in the same manner as uncontaminated bedrock described above in Section 3.5.2.3 if the material is clearly recognizable, observed to be uncontaminated by a QEP, does not contain friable asbestos, and is not part of a matrix of soil/fill containing waste components such as ash, cinders, and refuse.

3.5.3 Off-Site Use, Recycling or Disposal of Soil, Bedrock Debris and Solid Materials

Excavated material that does not meet the 6NYCRR 360.13 special requirements for pre-determined beneficial use or is otherwise exempt that is not hazardous waste and will be exported off-site must be managed under the supervision of a QEP. The exported excavated materials must either be re-used at a pre-approved off-site location for which a Beneficial Use Determination petition has been approved in advance by NYSDEC or disposed of as non-hazardous regulated solid waste at a NYSDEC-permitted landfill which has pre-approved the material for acceptance in accordance with its permit.

If hazardous wastes are encountered, they must be disposed properly off-site at an approved hazardous-waste disposal facility.

Non-impacted soil or uncontaminated bedrock/coarse inert debris derived from Project excavations that are proposed for unregulated off-site beneficial use (under a pre-determined beneficial use) require advance approval of the receiving site by the City. Uncontaminated soil or bedrock that is proposed for transport off-site for recycling must be transported to a C&D processing facility that is registered or permitted by New York State, and the proposed recycling site must have advance approval by the City. Additional information on requirements for approval is presented below in Section 3.5.3.5.

Appropriate measures must be employed for on-site management of excavated materials to be managed by disposition off-site. This must involve either sufficient pre-characterization and pre-approval for off-site re-use or landfill disposal such that the material can be loaded directly from an excavation onto appropriately-permitted trucks for transport off-site, or temporary stockpiling of excavated soils and solids pending disposal characterization and approval.

3.5.3.1 Petitioning for Case-Specific Beneficial Use Determinations

For impacted soils which are to be exported for beneficial re-use offsite, a petition for a case-specific beneficial use determination (BUD) must be submitted to the NYSDEC Division of Materials Management for approval prior to export. A copy of a BUD petition form to be used for application for off-site re-use of material as structural or grade-adjustment fill or as ground surface cover material is presented in Appendix D.

Soil for which BUD approval will be sought must be tested in accordance with 6 NYCRR Part 360.13€. A sampling plan describing the sampling approach, locations, frequency and methods and analysis parameters must be submitted to both the City and the NYSDEC Region 8 BUD coordinator for approval prior to sampling.

3.5.3.2 Soil Staging Methods

Measures that must be incorporated into on-site soil management should staging and stockpiling of excavated material be required include:

- Stockpiles of contaminated soils, fill or hazardous materials (e.g. drums, containers, odiferous fill) must be placed on and covered with plastic sheeting composed of polyethylene (poly) plastic with a minimum thickness of 6-mil, and both the liner and the cover must overlap perimeter berms.
- Covering stockpiles of contaminated soils, fill, or hazardous materials (e.g. drums, containers, odiferous fill) with weighted-down poly sheeting at the end of each day of placement to prevent migration by wind-blown dust or stormwater runoff until final placement and final cover is established. Stockpiles must be routinely inspected, and damaged covers must be promptly replaced. Stockpiles must be inspected at a minimum of once each week and after every storm event.
- Stockpiles are to be located away from storm sewers, downwind property boundaries, and drainage courses. Stockpiles must be continuously encircled with a berm and/or silt fence. Hay bales must be used as needed near catch basins, surface waters and other discharge points.
- Use dust suppression techniques, as necessary.

3.5.3.3 Materials Excavation and Load-Out

A QEP or person under their supervision must oversee all invasive work and the excavation and load-out of all contaminated excavated material. The QEP must receive copies of all waste disposal documentation.

The owner of the property and its contractors are responsible for safe execution of all invasive and other work performed under this Plan.

Loaded vehicles leaving the Property must be appropriately lined (as needed)/tarped, securely covered, manifested, and placarded in accordance with appropriate Federal, State, local, and NYSDOT requirements (and all other applicable transportation requirements).

Locations where vehicles enter or exit the site must be inspected daily for evidence of off-site soil tracking. The contractor will be responsible for ensuring that all egress points for truck and equipment transport from the site are clean of dirt and other materials derived from the site during intrusive excavation activities. Cleaning of the adjacent streets must be performed as needed to maintain a clean condition with respect to site-derived materials.

3.5.3.4 Materials Transport Off-Site

All transport of impacted, regulated materials must be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364.

Haulers must be appropriately licensed and trucks properly placarded. If loads contain wet material capable of producing free liquid, truck liners must be used. Truck transport routes must be the most appropriate routes and take into account: (a) use of city mapped truck routes; (b) prohibiting off-site queuing of trucks entering the facility; (c) promoting safety in access to highways; and (d) overall safety in transport. Stopping and idling or trucks in the neighborhood of the project site must be minimized to the

extent possible. Egress points for truck and equipment transport from the site must be kept clean of dirt and other materials during site development. Queuing must be performed in a manner that minimizes off-site disturbance.

3.5.3.5 Fill Material Use, Recycling or Disposal Off-Site

If fill material from construction excavations on this Project is proposed for unregulated off-site beneficial use (for example: clean soil or uncontaminated bedrock debris to be used as grade adjustment fill for development or mine reclamation purposes) or for recycling at a registered or permitted C&D processing facility, a formal request with an associated plan must be made to the owner of the receiving site. Off-site re-use or recycling of any non-regulated soils or rock debris must have advance approval by the City of Rochester DEQ and the receiving site. Approval from the City will be contingent on a letter from the site owner to the Project contractor or owner acknowledging approval for receipt of the material, and, for soil only (not required for uncontaminated bedrock debris), a record that sampling analytical results demonstrating that the soil meets the applicable NYSDEC Part 375 SCOs for the current site use code and zoning of the receiving site have been provided to the owner of the receiving site.

Materials that will be re-used off-Site under the terms of a BUD must be segregated from non-approved material based upon field screening and previous investigation findings. A trained environmental engineer, scientist, or geologist working under the direction of a QEP must oversee the proper management of the excavated soils for off-site re-use. The QEP must ensure that procedures defined for identifying materials are followed and that unacceptable material does not get exported to the BUD site. Any excavated materials in known areas of contamination (based on previous sampling results) or with high PID readings or with signs of staining or petroleum product or nuisance odor must not be considered appropriate for re-use at the BUD site and must be managed for proper off-site disposal at a permitted landfill.

All other material excavated and removed from the site must be transported and disposed in accordance with all local, State (including 6 NYCRR Part 360) and Federal regulations. Non-hazardous urban fill waste material and contaminated soils taken off-site must be handled, at a minimum, as a Municipal Solid Waste per 6NYCRR Part 360-1.2. Material that does not meet Unrestricted SCOs is prohibited from being taken to a New York State recycling facility (6NYCRR Part 360-16 Registration Facility).

3.5.4 Backfill from Off-Site Sources

All materials proposed for import onto the Property must be approved by the QEP, must be in compliance with provisions in this SMP prior to receipt at the Property, and must be in compliance with Part 360. Material from industrial sites, spill sites, or other environmental remediation sites or potentially contaminated sites must not be imported to the Property.

All imported soils intended for use on this Property as clean cover material must meet the Part 360 Fill Type 1 and Fill Type 2 requirements established in 6 NYCRR 360.13 (similar to the previously-used term "General Fill" prior to the 2023 regulatory update).

Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360 but do not meet Part 375 RR Use SCOs must not be imported onto the Property without prior approval by the City of Rochester DEQ. Solid waste must not be imported onto the Site.

3.5.5 Fluids Management and Off-Site Disposal of Impacted Water

During construction, all surface water runoff and construction dewatering shall be managed in accordance with the approved construction or design plans. At a minimum, use of sediment barriers and other best management practices for stormwater must be implemented to limit the downstream discharge of sediment-laden water to the combined sewer.

All liquids to be removed from the Property must be handled, discharged or transported (as needed) and treated/disposed in accordance with applicable local, State, and Federal regulations.

Should influx of groundwater into an excavation or the accumulation of stormwater occur under conditions which would necessitate excavation dewatering to complete the excavation and construction activities, the management of the excavation water must be conducted under the supervision of a QEP. Similarly, should accumulated stormwater or groundwater be found to exhibit petroleum sheen or odors, solvent or chemical odors, or other indications of the potential presence of petroleum or chemical contamination, removal and management of this water must be conducted under the supervision of a QEP. In these cases, excavation dewatering fluids must not be recharged back to the land surface or subsurface of the site or discharged to the sewer unless prior approval is obtained from a QEP.

Management of water (stormwater or groundwater) generated during project development activities and destined for off-site disposal may need to include characterization (sampling and laboratory analysis) as required to obtain approval from the municipal sewer authority for sewer discharge or approval from an off-site disposal facility. A temporary sewer use permit must be obtained from the Monroe County Department of Environmental Services (MCDES) – Division of Pure Waters (DPW) in advance of discharge of impacted water to the sewer system. Information on an MCDES-DPW application to obtain a temporary permit is included in Appendix C. If disposal to the MCDES sewer system is not approved, transport to, and disposal at, a permitted disposal facility will be required.

Appropriate measures for management of impacted water must include temporary containerization and measures to prevent water from contaminating other materials or migrating off-site. Measures that must be incorporated into such plans include:

- Containerize water prior to pumping or transport off-site.
- Stage containers away from drainage sources.

- Pump water directly into containers.
- Perform necessary sampling prior to disposal.
- Coordinate with the MCDES or alternate facility to receive permission for disposal.

3.6 DOCUMENTATION AND REPORTING

Records must be developed and maintained throughout the development activity period documenting:

- waste characterization and post-excavation confirmatory sample locations and sample analytical data (if applicable);
- mapping indicating impacted-material removal locations and quantities and any remaining exceedances of Residential Use SCOs (if applicable);
- excavated or dewatered material management including on-site or off-site re-use and disposal of materials exported to a permitted landfill or discharged to the sewer;
- Field observations from regular screenings for evidence of impacts to soil or water; and
- documentation of use of Engineering Controls (see Section 3.7.2) like asphalt, concrete, clean fill, etc., demarcation layers, and imported fill.

During those weeks during which ground-intrusive activities involving environmental management are being conducted (for example, weeks during which excavation or soil transport activities are being performed), brief weekly email summaries will be submitted to the City DEQ summarizing the activities initiated or completed during the reporting period and noting and explaining any deviations from the SMP. Monthly progress reports must be submitted to the City DEQ in letter format consolidating the information provided in the weekly emails and providing supporting data such as sample location maps, laboratory analysis reports, and summaries of exported soil locations, quantities and destinations (when applicable).

Upon project completion, a report must be developed to document SMP activities throughout the duration of the Project along with associated analytical results, appropriate disposal information and documentation, applicable photographic documentation, field logs and notes, and finalized mapping.

3.7 ENGINEERING CONTROLS

3.7.1 Radon and SVI Mitigation

Development plans for the Project may include a requirement for installation of a passive sub-slab depressurization (SSD) system in each new Project building as an engineering control to mitigate the potential for vapor intrusion of contaminant compounds into the buildings. The need for active SSD in new Project buildings may be assessed by pre-occupancy testing of radon and VOC levels in indoor air in each structure.

3.7.2 Other ECs

Should circumstances be encountered which would necessitate implementation of Engineering Controls (ECs) to allow contaminated soil to remain, such as being covered by a structure, pavement, or two feet

of clean fill, the circumstances and proposed remedial approach which would be implemented to address the residual contamination must be discussed with, and approved by, the City of Rochester and HCR on a site-by-site basis as a requested variance to this SMP. As noted above, ECs could include measures such as construction of permanent pavements or structures to prevent potential contact with remaining soil contamination or placement of 2 feet of clean soil cover over areas of impacted soil not intended to be covered by pavement. The potential need for ECs as part of the Property redevelopment must be evaluated by a QEP in the context of remaining contamination, as detailed in this SMP or as characterized by actions or sampling during development.

3.8 CONTACT INFORMATION

The following is a list of entities who can be contacted regarding environmentally-related issues at the Site:

- **City of Rochester**
  Division of Environmental Quality
  City Hall Room 300B
  30 Church Street
  Rochester, NY 14614
  Jane M. H. Forbes, Sr. Environmental Specialist
  Email: jane.forbes@cityofrochester.gov
  Phone: 585.428.7892 (office), 585.314.1719 (mobile)

  Neighborhood and Business Development
  City Hall Room 005A
  30 Church Street
  Rochester, NY 14614
  Lia Anselm, Sr. Community Housing Planner
  Email: lia.anselm@cityofrochester.gov
  Phone: 585.428.9368 Fax: 585.428.6229

- **NYSDEC Spills Hotline**
  800.457.7362

- **Stantec Consulting Services Inc. (QEP)**
  61 Commercial Street, Suite 100
  Rochester, NY 14614
  585.475.1440
  Stephanie Reynolds-Smith: 585.298.2382 (mobile) or Laura Best: 585.301.0166 (mobile)

4.0 CONTINGENCY PLAN

If during construction activities excavated material is encountered which contains waste materials of a significantly different type than the material observed in the Phase II investigation, or indications of petroleum or chemical contamination are observed, such material would need to be segregated, staged on, and under, polyethylene sheeting, and sampled to determine whether it would need to be managed for off-site landfill disposal under a separate (or amended) waste profile or could otherwise be managed on the Property in a manner that meets the requirements of the Part 360 regulations and this SMP. Identification of unknown or unexpected contaminated materials identified during construction will be promptly communicated by phone to the Project QEP and in turn the Property owner and, if necessary, reported to the appropriate regulatory authority. Evidence of releases of reportable quantities of chemicals or petroleum product will be reported to the NYSDEC spills hotline.

If underground tanks are found during subsurface excavations or development-related construction, excavation activities will be suspended until sufficient equipment is mobilized to address the condition under the supervision of a QEP.

Sampling will be performed on product and surrounding potentially-impacted media (sediment, soils, groundwater, etc.) as necessary to determine the nature of the material and the proper disposal method. Chemical analysis will be performed for a full list of analytes (TAL metals, TCL VOCs, TCL SVOCs, TCL pesticides, and TCL PCBs), unless the Property history, previous sampling results, or other condition-specific information provides sufficient justification to limit the list of analytes, in which case a reduced list of analytes appropriate to the nature of the occurrence may be used.

Any tank removal should be performed in accordance with NYSDEC Petroleum Bulk Storage (PBS) regulations, NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation (DER-10, CP-51) and 6 NYCRR Parts 703 and 375.

5.0 REFERENCES

1. Phase I Environmental Site Assessment, 100 Borinquen Plaza, Rochester, Monroe County, New York. Stantec Consulting Services Inc., December 14, 2015.

2. Phase I Environmental Site Assessment, Borinquen Plaza, 675, 6767, 720 and 744 North Clinton Avenue, Rochester, New York. Ravi, April 14, 2021.

3. Phase II Environmental Site Assessment, Los Flamboyanes, Rochester, New York. Stantec Consulting Services Inc., May 10, 2022.

4. Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, U.S. Department of Housing and Urban Development (HUD), July 2012.

5. DER-10 Technical Guidance for Site Investigation and Remediation, NYSDEC Div. of Environmental Remediation, May 2010.

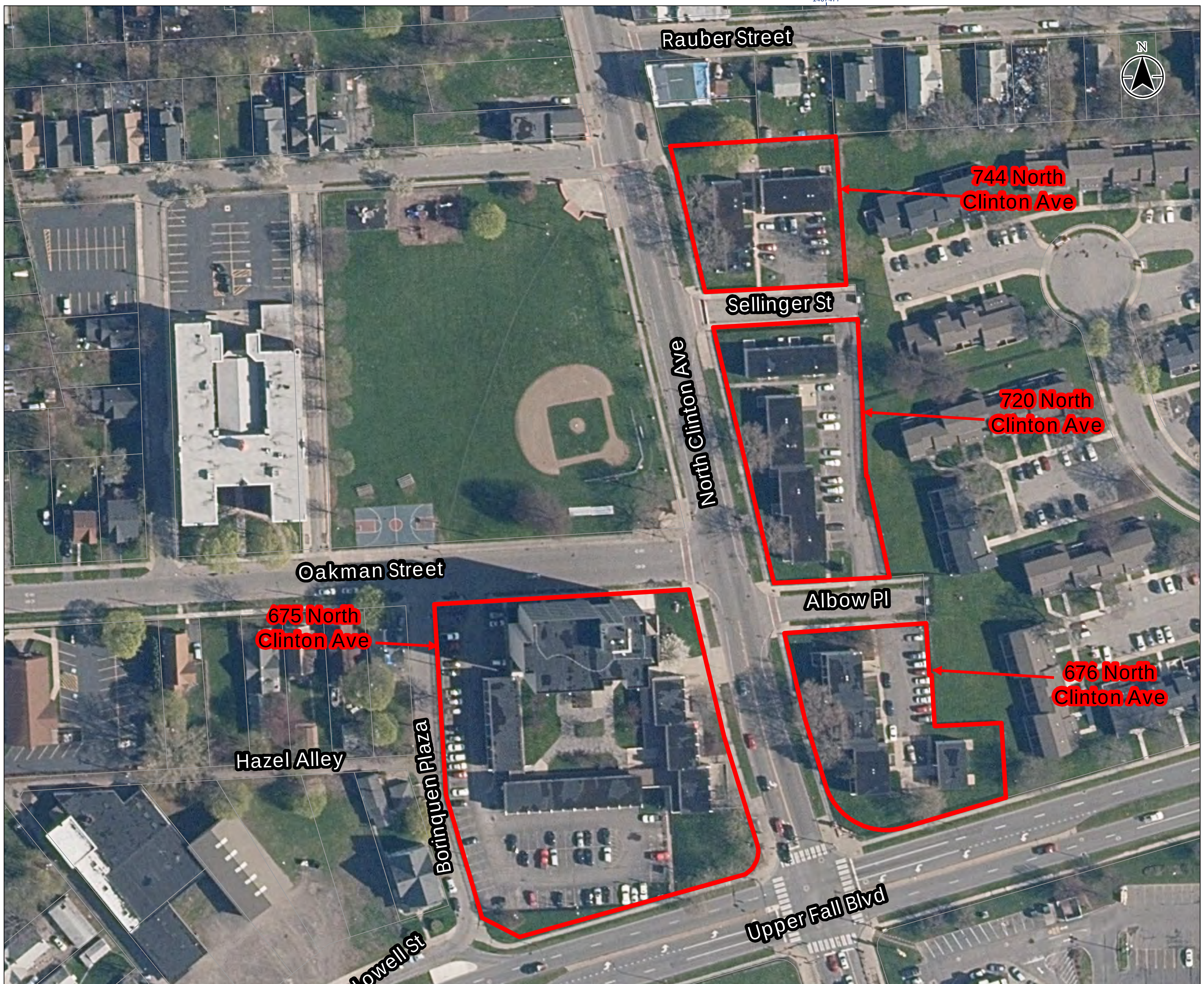
6. CP-51 / Soil Clean-up Guidance, NYSDEC Div. of Environmental Remediation, October 2010.

7. Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, NYSDEC Division of Water, June 1998.

8. New York Codes, Rules and Regulations 6 NYCRR Parts 360, 370 and 375.

Attachments

Figures



Stantec

Legend

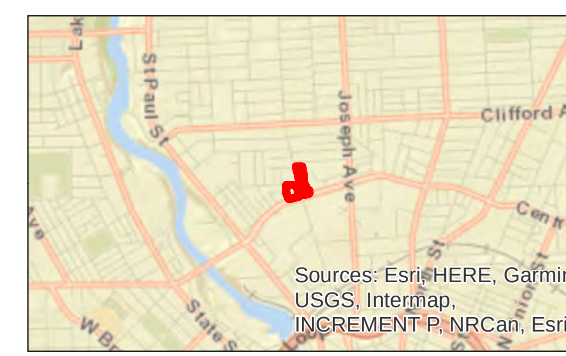
Property Boundaries

0 60 120 180 240 Feet

1:1,200 (At Original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.



North Clinton Avenue
100 Borinquen Plaza
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

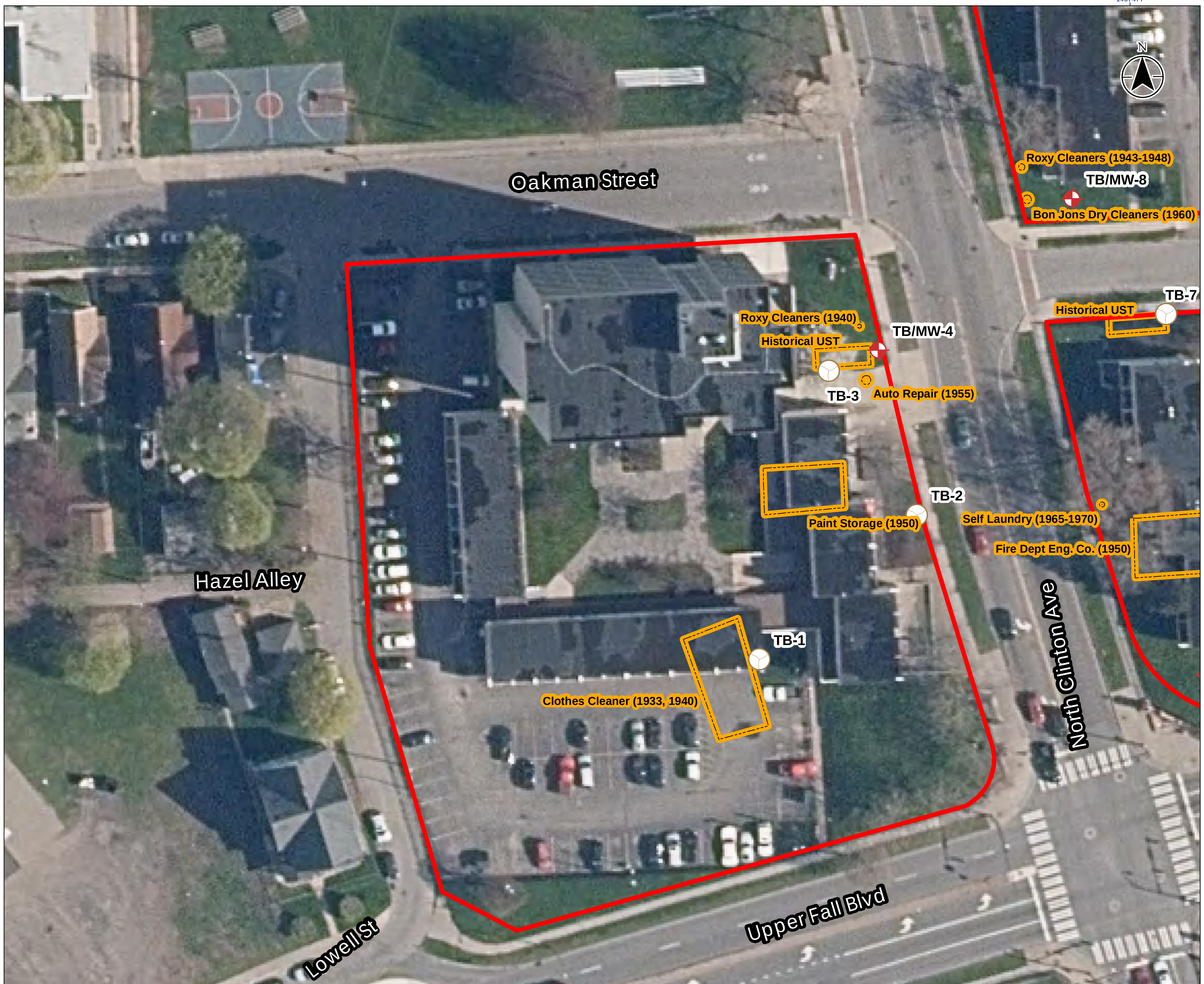
Client/Project

Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
1

Title

Property Location



Stantec

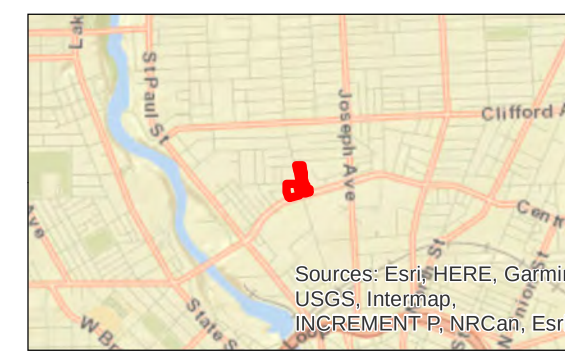
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate.



Project Location:
North Clinton Avenue
Rochester, NY

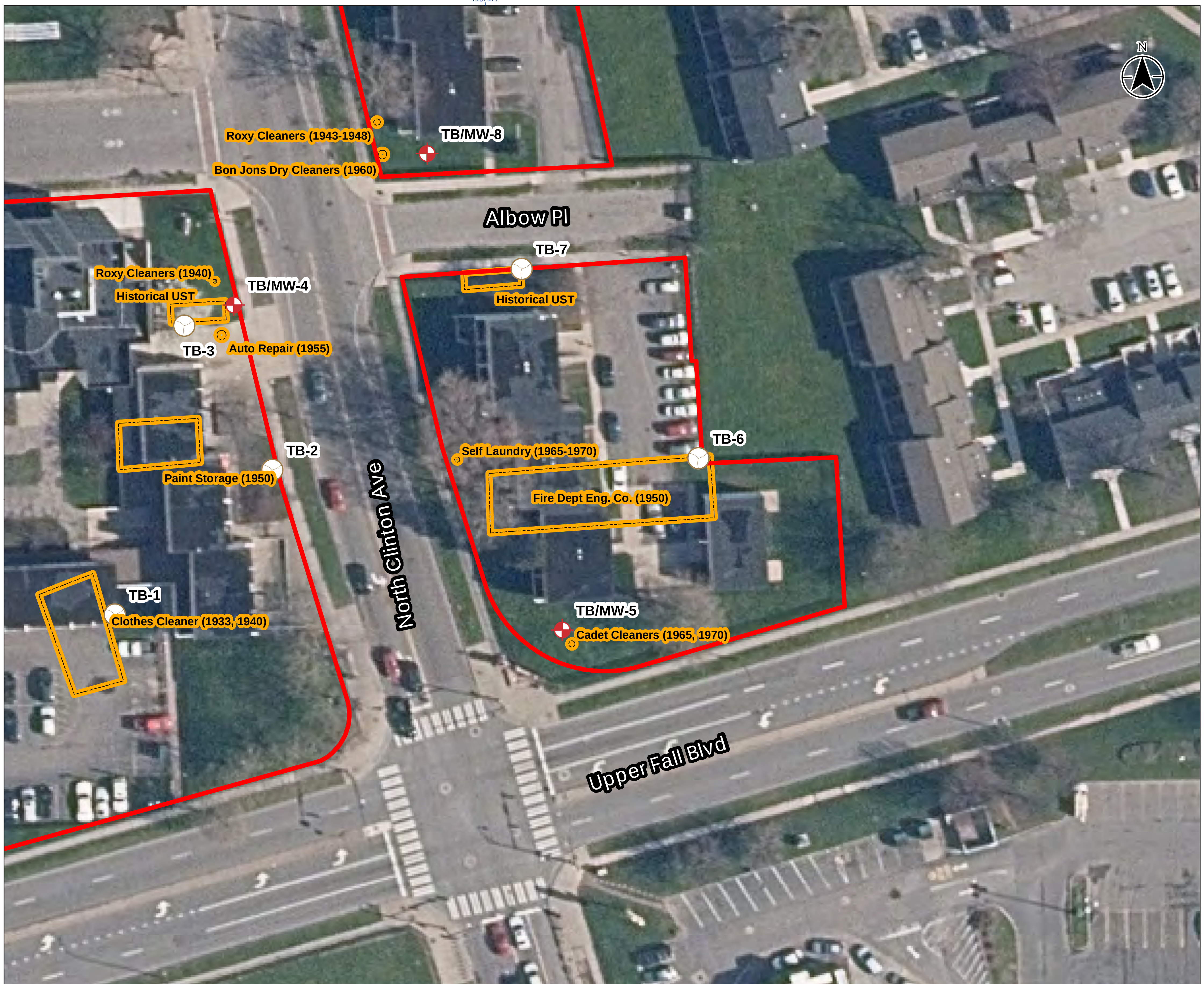
Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2A

Title
Investigation Locations
675 N Clinton Ave

U:\213414077\05_report_deliv\dwgs_design\GIS_figures\PhaseIIESA\GIS\Figure 2A 675 N Clinton.mxd Revised: 2022-01-27 By: kpnelson



Stantec

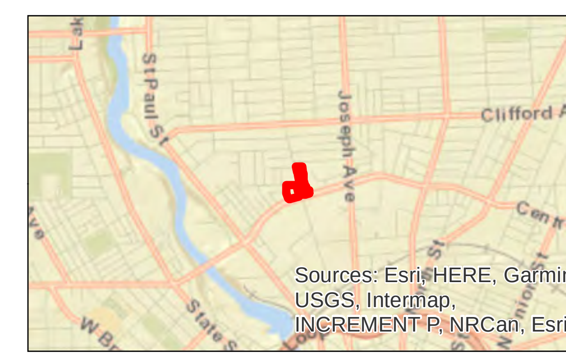
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate



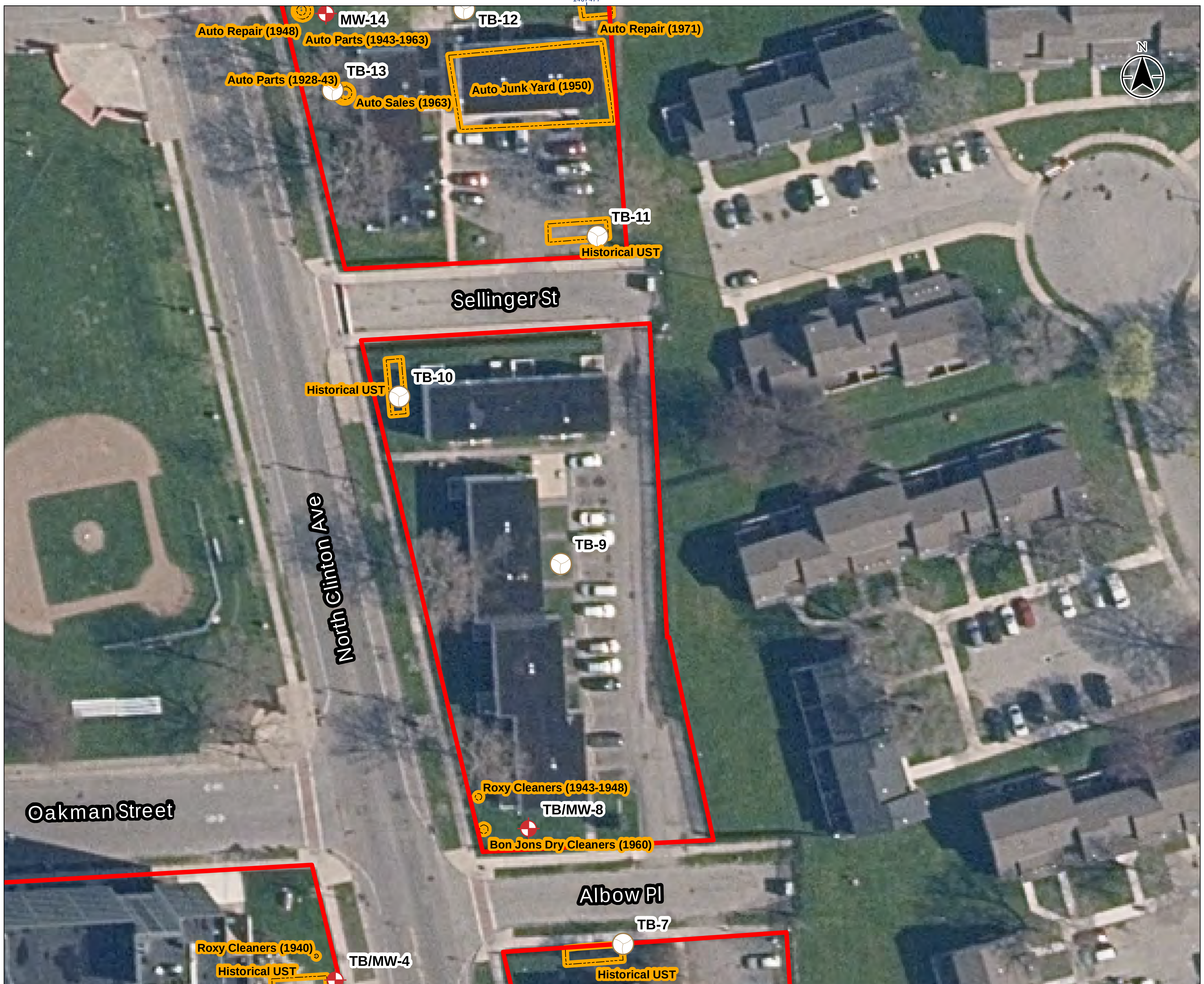
Project Location:
North Clinton Avenue
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2B

Title
Investigation Locations
676 N Clinton Ave



Stantec

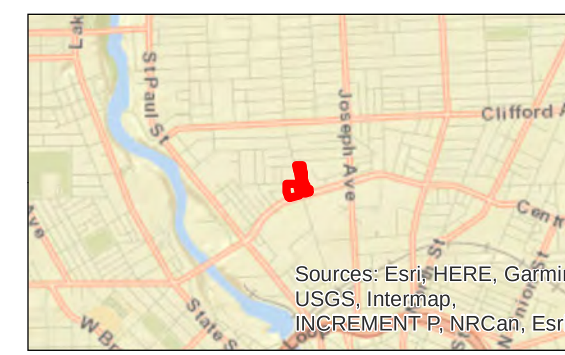
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate



Project Location:
North Clinton Avenue
Rochester, NY

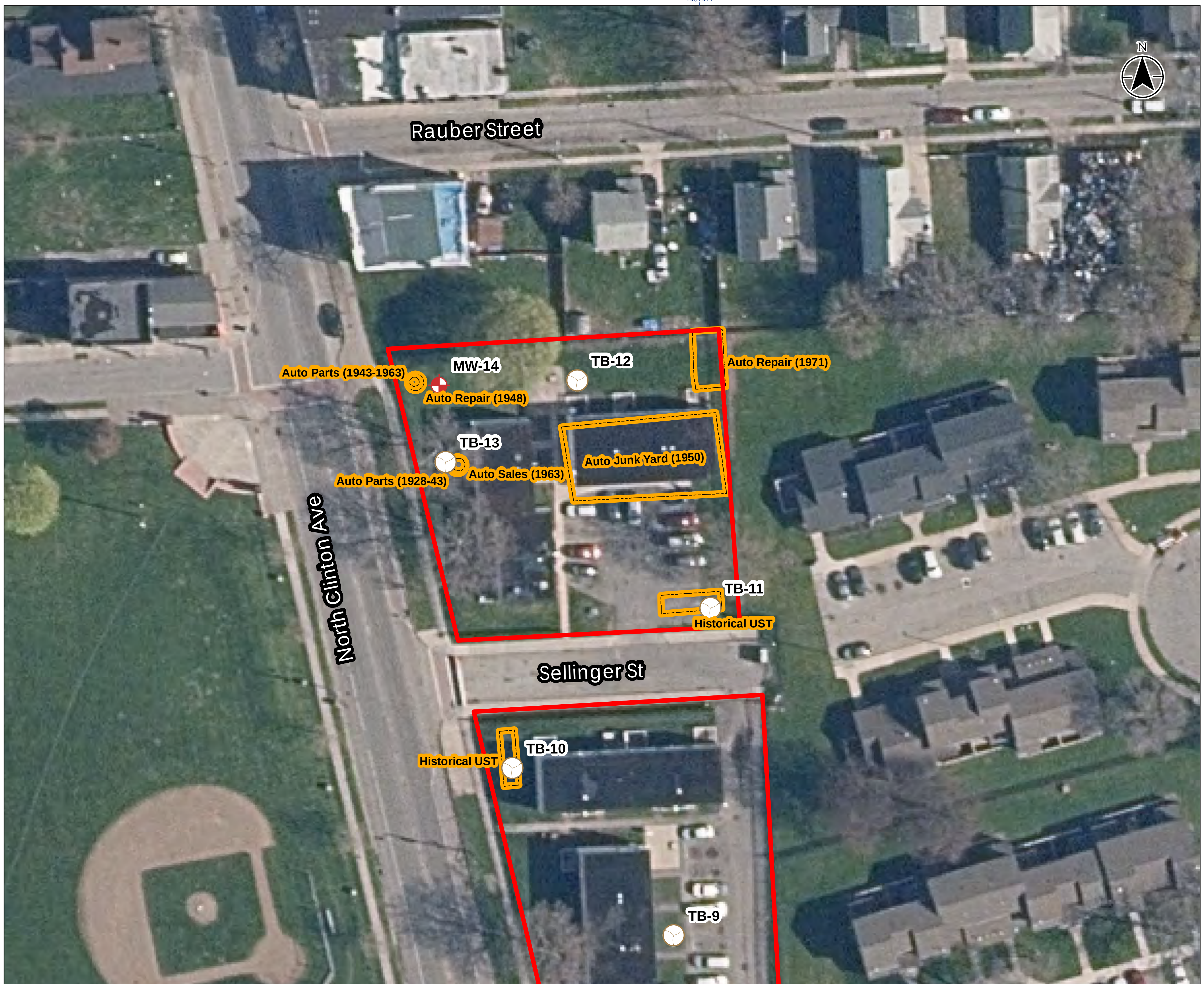
Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2C

Title
Investigation Locations
720 N Clinton Ave

U:\1213414077\05_report_deliv\dwg_design\GIS_figures\PhaseIIESA\GIS\Figure 2C 720 N Clinton.mxd Revised: 2022-01-27 By: kgnelson



Stantec

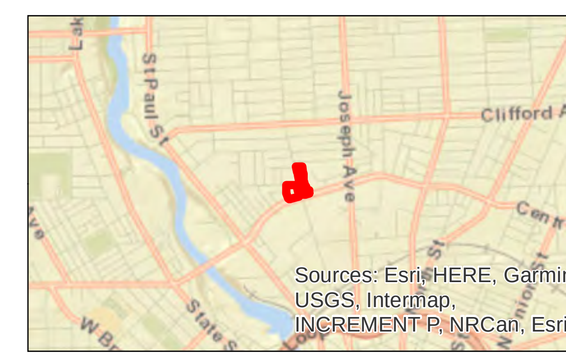
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate.



Project Location:
North Clinton Avenue
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2D

Title
Investigation Locations
744 N Clinton Ave

Appendix A

Phase II Environmental Site Assessment Report (2022)

Los Flamboyanes
Phase II Environmental Site Assessment

May 10, 2022

Prepared for:

Ms. Kimberlie M. Burkhart
Landsman Real Estate Services, Inc.
3 Townline Circle
Rochester, New York 14614

Prepared by:

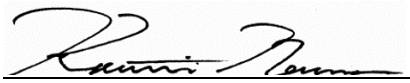
Stantec Consulting Services, Inc.
61 Commercial Street, Suite 100
Rochester, New York 14614

Project No.: 213414077

This document entitled Los Flamboyanes Phase II Environmental Site Assessment was prepared by Stantec Consulting Services Inc. (“Stantec”) for the account of Landsman Real Estate Services, Inc. (the “Client”). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec’s professional judgment in light of the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not take into account any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party as a result of decisions made or actions taken based on this document.

Prepared by: 

Steven Rife
Environmental Scientist

Prepared by: 

Katherine Nelson
Senior Environmental Scientist

Approved by: 

Steven Campbell
Associate

Table of Contents

Executive Summary

On behalf of Landsman Real Estate Services, Inc. (Landsman), Stantec Consulting Services Inc. (Stantec) has performed a Phase II Environmental Site Assessment (ESA) on four (4) parcels located in the vicinity of North Clinton Avenue in the City of Rochester, Monroe County, New York (Figure 1). These parcels are currently developed with a high-rise apartment tower and townhouse apartment buildings.

The purpose of the Phase II ESA was to characterize subsurface media on the four parcels to assess for potential environmental impacts related to the historical usage of the parcels as an automotive junk yard, fire engine house, electrical contractors, printing company, paint storage facility, dry cleaning facility, and coal and coke company. Pursuant to this objective, subsurface investigations were conducted at the following four (4) parcels (see Figure 1):

- 675 North Clinton Avenue (Parcel ID: 106.46-2-24);
- 676 North Clinton Avenue (Parcel ID: 106.47-1-1);
- 720 North Clinton Avenue (Parcel ID: 106.39-4-63); and
- 744 North Clinton Avenue (Parcel 106.39-4-64).

The following scope of work was completed as part of the Phase II ESA:

- Preliminary ground-penetrating radar (GPR) survey of sampling locations;
- Installation of thirteen (13) test borings and four (4) bedrock interface groundwater monitoring wells;
- Well purging and development with associated field testing of turbidity;
- Collection of soil and groundwater samples and submission of the samples for laboratory analysis;
- Containerization of investigation-derived waste (IDW);
- Generation of figures depicting investigation locations and associated activities at the Property;
- Generation of tables summarizing field data; and
- Comparison of analytical results to applicable regulatory criteria.

Data collected during the Phase II ESA has provided the following findings.

- None of the soil samples analyzed had exceedances of polychlorinated biphenyls (PCBs), above applicable New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) and do not represent a concern in soil for the Property.

- Commonly occurring metals (calcium, magnesium and iron) were detected in the soil samples analyzed for metals above the applicable NYSDEC SCOs and Commissioner's Policy (CP-51) Soil Cleanup Levels (SCLs). These metals are often present in soil and the concentrations are generally consistent with the concentrations of these naturally occurring metals at other locations within the City of Rochester. The detections of commonly occurring metals in soil is not a site concern.

- Fill with urban fill components (brick, cinders, glass, asphalt and/or concrete) was observed throughout the Property ranging from 2.2 to 8.8 ft thick. In one location (TB-7) wood debris with a creosote like odor and slightly elevated PID was observed in the fill. Several exceedances of applicable SCOs and SCLs were identified from samples collected within urban fill:
    - TB-9 had a detection of lead (517 mg/kg) above the SCOs for restricted residential (RR) use (400 mg/kg) and Protection of Groundwater (POGW) (450 mg/kg). The sample collected from TB-9 was collected from 1 to 4 ft bgs where bricks, sand, gravel, and cinders were observed.
    - TB-7, which was collected between 6 and 8 ft bgs from an interval containing urban fill and wood debris with a creosote like odor, had seven semi volatile organic compounds (SVOCs) and one volatile organic compound (VOC) detected above applicable SCOs/SLCs.
    - One SVOC (Benzo(b)fluoranthene) was detected in TB-12 above the RR SCO and fuel oil contaminated soil SCL. This sample was collected from 1 to 3 ft bgs in fill containing sand, gravel, brick fragments and trace cinders.
- No SVOCs or VOCs were detected in groundwater samples above NYSDEC Class GA Water Quality Standards and Guidance Values (SGVs) for groundwater.

Stantec recommends that a Site Management Plan (SMP) be developed and implemented so that, during site-development, the soils containing the urban fill components across the can be properly managed and addressed as encountered during redevelopment of the Property, whether taken off-site for disposal to ensure proper disposal of soils that need to be removed from the Property or remaining on-site to limit contact the public has with impacted materials after development.

Additionally, given the exceedance of lead above RR Use in shallow soils (between 1 and 4 ft) it is recommended that placement of either a cap (such as concrete, asphalt or building foundation) or two feet of clean fill be considered during site redevelopment across the Property.

Abbreviations

CP-51	Commissioner's Policy 51
DER	Division of Environmental Remediation
DNAPL	Dense Non-Aqueous Phase Liquid
ELAP	Environmental Laboratory Approval Program
ESA	Environmental Site Assessment
ft bgs	feet below ground surface
GPR	Ground-Penetrating Radar
GPS	Global Positioning System
IDW	Investigation Derived Waste
LNAPL	Light Non-Aqueous Phase Liquid
MW	Monitoring Well
mg/kg	Milligram per kilogram
µg/L	microgram per liter
Nothnagle	Nothnagle Drilling, Inc.
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
POGW	Protection of Groundwater
REC	Recognized Environmental Condition
RR	Restricted Residential
SCL	Soil Cleanup Level
SCO	Soil Cleanup Objective
SGVs	Standards and Guidance Values
SVOCs	Semi-volatile Organic Compounds
TAL	Target Analyte List
TB	Test Boring
TCL	Target Compound List
USEPA	United States Environmental Protection Agency
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

On behalf of Landsman, a Phase II ESA was performed by Stantec Consulting Services, Inc. (Stantec) on following four parcels collectively known as the Los Flamboyanes apartments located on North Clinton Avenue (the Property):

- 675 North Clinton Avenue (Parcel ID: 106.46-2-24);
- 676 North Clinton Avenue (Parcel ID: 106.47-1-1);
- 720 North Clinton Avenue (Parcel ID: 106.39-4-63); and
- 744 North Clinton Avenue (Parcel 106.39-4-64).

Property location is depcited on Figure 1.

1.1 BACKGROUND

It is understood that Landsman Real Estate Services, Inc. (Landsman) proposes to redevelop portions of the Property including demolishing existing townhouses on the 676, 720 and 744 North Clinton parcels, renovating a new high rise apartment building on the 720 North Clinton parcel, and rebuilding the townhouse units on the 675 North Clinton parcel.

Stantec performed a Phase I Environmental Site Assessment for the Property in December 2015. The Phase I revealed the following evidence of recognized environmental conditions (RECs) in connection with the Property.

- Staining and petroleum odors were observed around two pad mounted transformers on the Property. Although PCBs were not detected in surface soil samples collected within the stained area, the observed staining and odors were considered to be an REC for the Property.

- Four fuel oil tanks were depicted, one on each parcel, on the undated survey maps and a prior Phase I ESA identified a permit issued in 1991 for the removal of four 10,000-gallon fuel oil USTs. A tank closure report was not provided, thus we were not able to verify the reported removal of these tanks. Additionally, it was unknown if soil samples were collected to confirm that the surrounding soil was not impacted.

- Historical uses of the Property included dry cleaners (675, 676 and 720 North Clinton), auto repair/sales/parts facilities (744 North Clinton), fire engine house (676 North Clinton), junk yard (720 North Clinton), electrical contractors (720 North Clinton), printing company (744 North Clinton), coal and coke company (720 North Clinton), paint storage (675 North Clinton), and an oil burning system manufacturing agent (720 North Clinton).

- Multiple spills were identified for 799 North Clinton Avenue, located approximately 0.08 miles (420+/- ft.) north of the Property. A subsurface investigation encountered metals, solvent and multiple areas of petroleum impacts in soils. The spill file for this incident remains open and no information regarding cleanup was provided. Given the lack of cleanup information, active spill

status, proximity of this incident to the Property and the potential for impacted groundwater or soil vapor to travel along preferential pathways such as utility lines located along North Clinton, there is potential that the Property has been impacted.

Ravi Engineering & Land Surveying, P.C. (Ravi) conducted a Phase I ESA for the Property in April 2021. The 2021 identified the following RECs:

- Potential contaminated soil and/or groundwater from historic dry cleaners and auto stations; and
- Potential contaminated soil and/or groundwater related to the USTs that were removed in 1991.

The scope of work executed by Stantec was designed to investigate the above RECs and is based in part on conceptual redevelopment plans provided by Landsman (provided in Appendix A). The 2021 Phase I ESA discussed correspondence from KBH Environmental regarding the cleanup of the transformer spills, which were identified by Stantec, in 2015. Given this information, Stantec did not conduct further investigate related to the transformer spills.

Activities conducted as part of the Phase II ESA were performed in accordance with the project objectives and terms and conditions identified in Stantec's June 16, 2021 proposal letter. Field investigation activities were completed in November 2021.

1.2 SCOPE OF WORK

The following scope of work was completed as part of the Phase II ESA:

- Preliminary ground-penetrating radar (GPR) survey of sampling locations,
- Installation of thirteen (13) test borings and four (4) bedrock interface groundwater monitoring wells;
- Well purging and development with associated field testing of turbidity;
- Collection of soil and groundwater samples and submission of the samples for laboratory analysis;
- Containerization of investigation-derived waste (IDW);
- Generation of figures depicting investigation locations and associated activities at the Property;
- Generation of tables summarizing field data; and
- Comparison of analytical results to applicable regulatory criteria.

2.0 FIELD PROGRAM

2.1 SUBSURFACE EVALUATION

The following components of the field program were completed in November 2021. Investigation locations are presented on Figures 2A-2D and a summary of samples collected is included in Table 1.

2.1.1 Ground Penetrating Radar Survey

Prior to subsurface intrusive work, an underground utilities stakeout was called in and publicly-owned and utility-owned infrastructure on each parcel was marked. To further confirm the accuracy of utility markings, Stantec retained a subcontractor, Ground-Penetrating Radar Systems (GPRS), to perform a geophysical survey of exploration locations. GPRS staff mobilized on November 5, 2021.

During this event, Stantec staff used a Trimble GeoExplorer 7-Series GPS unit to locate and stake the proposed exploration locations. Field adjustments were subsequently made to offset the test boring locations due to drill rig access constraints and the presence of utilities. Final exploration locations were surveyed with the GPS after these field adjustments.

GPRS staff used an EMP-400 induction unit to scan an approximately 10-foot radius around test boring locations to test for the presence of utilities and/or subsurface anomalies. Two (2) test borings (TB-2 and MW-14) were identified to be hand-cleared by the drilling contractor to a depth of 5 feet below ground surface (ft bgs). These boring locations were relocated outside the previously scanned areas due to equipment constraints (i.e., the size of the drilling rig, proximity to pedestrian right-of-way) and the presence of nearby subsurface electrical utilities. The remaining test boring locations were declared free of obstructions by GPRS and did not require relocation or hand clearing.

A summary of the work completed by GPRS is provided in Appendix B.

2.1.2 Test Boring and Monitoring Well Installation

To perform the subsurface program, Stantec retained Nothnagle Drilling, Inc. (Nothnagle) to advance test borings (TB-1 through TB-13) and install bedrock interface monitoring wells (MW-4, MW-5, MW-8 and MW-14). On November 8 and 9, 2021, Nothnagle mobilized a Geoprobe 66-Series unit to install direct-push test borings. Borings were advanced continuously with a 2.25 inch (in) outer diameter MacroCore® sampler to equipment refusal. Work was conducted under the observation of a Stantec geologist. Overburden soil recovered in direct push samples was screened with a MiniRae® 3000 Photoionization Detector (PID) for volatile organic vapors.

Overburden soils were not observed in MW-14, which was added to the field program for the purposes of bedrock monitoring well installation only. Additionally, TB-2 was only hand cleared to 3.7 ft bgs and no drilling occurred at this location given the suspected presence of utilities.

Field Program

Upon completion of soil characterization, on November 10 and 11, 2021, a Central Mine Equipment 85-Series (CME-85) drilling rig was mobilized to the Property for bedrock monitoring well installation. Two wells, MW-5 and MW-8 were installed with the CME-85. The remaining two monitoring well locations (MW-4 and MW-14) could not be accessed by the CME-85 due to access restrictions. On November 16 and 17, 2021, a Geoprobe 77-Series with bedrock coring capabilities was mobilized to the Property for installation of monitoring wells MW-4 and MW-14.

The overburden was drilled at the monitoring well locations using 4.25 in hollow-stem augers to the surface of bedrock. Boring refusal was observed Property-wide on the bedrock surface which ranged in depth from approximately 9.7 to 12.7 ft bgs. In most instances, weathered bedrock fragments were observed within the drilling shoe upon refusal. At each monitoring well location, ten feet of competent bedrock was cored using air rotary methods and an NX core barrel. After each core run was completed in the boreholes, the NX tools were removed, and the bedrock cores were retrieved. Prior to the installation of the monitoring well, a roller bit was used to over-drill the boreholes to an approximate diameter of 4 inches in an attempt to evacuate residual bedrock fines.

Four (4) 2 in diameter PVC monitoring wells were installed within the borings and were designated MW-4, MW-5, MW-8 and MW-14. Solid 2-inch diameter schedule 40 PVC riser was attached to 15-feet of 0.010-inch (10-slot) screen. Screened sections were installed to span the overburden/bedrock interface where the saturated zone was generally observed to occur. The annular space surrounding the screen was backfilled with silica sand and a 2-foot-thick bentonite plug was placed on top of the sand pack. Approximately 3.5 to 5 gallons of potable water was poured into the surface of each borehole upon completion to saturate the bentonite layer and prohibit surface water infiltration. The remaining annulus was sealed with a Portland cement/bentonite grout. A J-plug or cap was installed on the top of the PVC riser, and a flush-mounted curb box surrounded by a concrete pad was installed at the ground surface.

Monitoring well locations are depicted on Figures 2A-2D. Test Boring and Well Logs are included in Appendix C.

2.1.3 Well Development

A total of two (2) well development events were completed at the Property. Monitoring wells MW-5 and MW-8 were developed on November 12, 2021 and monitoring wells MW-4 and MW-14 were developed on November 17, 2021. Stantec retained Nothnagle to assist with development tasks on these days. To prepare the wells for the collection of representative groundwater samples, Stantec attempted to remove the volume of drilling water that was introduced to the borehole during drilling (approximately 3.5 to 5 gallons in each well) and three (3) additional well volumes from each monitoring well.

A Proactive Environmental Products® Water Spout 1 submersible pump connected to polyethylene tubing was used to evacuate purge water from each well. The pump was decontaminated before and between each well with an Alconox® and potable water wash and potable water rinse. Generally, sufficient groundwater recharge was observed in the bedrock monitoring wells. Target development volumes were removed in wells MW4, MW-5 and MW-8 after approximately 10 to 30 minutes of pumping. One well,

MW-14, was purged dry three times during development. Due to time constraints 6.25 gallons were removed rather than the target volume of 9.4 gallons. Given the amount of time between well development and sampling (11 days) the inability to extract the last 3.2 gallons is not considered significant.

2.1.4 Soil Sampling

During drilling activities at the Property, portions of soil samples were placed in Ziploc bags, the bags were sealed, and headspace vapors inside the bags were screened for the presence of volatile organic vapors using a MiniRae 3000 PID equipped with a 10.6 eV lamp.

Selection of samples for laboratory analysis was based on field observations from the subsurface soils program (see Section 3.1 for field observations). Stantec submitted a total of seven (7) soil samples to Eurofins TestAmerica of Buffalo, NY (TestAmerica), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory. Soil samples were submitted for analysis (note not all samples were submitted for all analysis):

- Target Compound List (TCL) and Commissioner's Policy 51 (CP-51) Volatile Organic Compounds (VOCs) by United States Environmental Protection Agency (USEPA) Method 8260;
- TCL Semi-volatile Organic Compounds (SVOCs) by USEPA Method 8270;
- Target Analyte List (TAL) Metals by USEPA Methods 6010 and 7471; and
- Polychlorinated Biphenyls (PCBs) by USEPA Method 8082.

One sample each was submitted for laboratory analysis from test borings TB-1 (5 to 7 ft bgs), TB-6 (4 to 6 ft bgs), TB-7 (6 to 8 ft bgs), TB-9 (1 to 4 ft bgs), TB-10 (8 to 11.3 ft bgs), TB-11 (10 to 11.4 ft bgs) and TB-12 (1 to 3 ft bgs). A summary of samples collected is presented in Table 1.

A discussion of soil analytical results is presented in Section 3.2. Soil sample descriptions are presented in the Test Boring Logs in Appendix C.

2.1.5 Groundwater Sampling and Elevation Measurements

Monitoring well sampling occurred on November 29, 2021. Prior to sampling static water levels were collected and all monitoring wells were gauged. Using a submersible pump and dedicated polyethylene tubing, at least three well volumes were purged from each well before sampling. Following recharge, groundwater samples were retrieved using dedicated polyethylene bailers. Turbidity will be measured at the time of sample collection using a LaMotte® 2020 Turbidity Meter.

Stantec submitted a total of four (4) groundwater samples to TestAmerica of Buffalo, NY. Groundwater sample shipments to the laboratory that contained VOC samples were also accompanied by a trip blank sample. Groundwater samples were submitted for analysis of:

Field Program

- TCL + CP-51 VOCs by USEPA Method 8260; and
- TCL SVOCs by USEPA Method 8270;

A groundwater sample and analytical parameter summary is presented in Table 1.

2.1.6 Decontamination

Non-dedicated equipment was decontaminated prior to and following each use. Decontamination of drilling equipment was accomplished with a high-pressure washer. Decontamination of smaller equipment (such as MacroCore samplers and hand-sampling tools) consisted of a wash with Alconox solution and a potable water rinse.

2.1.7 Investigation-Derived Waste

Investigation derived waste (IDW) materials were managed and containerized. Where permitted by DER-10, IDW from non-impacted investigation locations was replaced. When not replaced, soil cuttings from monitoring wells and borings were containerized and stored after each workday concluded in 55-gallon drums. Well development, decontamination, and purge water, as well as decontamination pad solid waste, were also containerized and stored in 55-gallon drums for characterization and future off-site disposal. The following IDW was generated during the project:

- 4 drums of mixed soil cuttings and drill water; and
- 1 drum of development groundwater.

3.0 RESULTS

3.1 HYDROGEOLOGY

The interpreted sequence of overburden units observed on the Property, in descending order from the surface include (note not all units were observed in all borings):

- Asphalt, concrete, sub-base or top soil;
- Apparent re-worked native soil, fill (sand and gravel) or fill with urban fill materials (brick, cinders, glass, asphalt and/or concrete). In one location (TB-7) wood debris with a creosote like odor was observed in fill.
- Native overburden consisting of sand, gravel and in some locations trace silt; and
- Weathered bedrock.

The thickness of the overburden units varied across the Property. Apparent re-worked native soil and/or fill without urban fill components were observed in TB-2 and TB-11. Thicknesses of this layer were found to range from at least 3.2 ft to 6 ft. Urban fill components were observed in TB-1, TB-3, TB/MW-4, TB/MW-5, TB-6, TB/MW-8, TB-9, TB-10, TB-12 and TB-13 with thicknesses ranging from 2.2 ft to 8.8 ft.

Elevated volatile organic vapor headspace PID readings were not observed in soil samples obtained during the Phase II ESA except in TB-7 (3.9 ppm) where wood debris with a creosote like odor was observed.

Competent bedrock was encountered during the installation of monitoring wells, MW-4, MW-5, MW-8, MW-14, at depths ranging from 11.4 to 12.9 ft. bgs.

The water table was found to occur below the top of bedrock in MW-4 and above the top of rock in MW-5, MW-8 and MW-14. Groundwater levels measured in the wells ranged in depth from 9.2 to 14.33 ft bgs. No LNAPL or DNAPL was identified in the monitoring wells installed.

3.2 SOIL SAMPLE ANALYTICAL RESULTS

Analytical results for soil samples are presented in Table 2, and analytical laboratory reports are included in Appendix D. The tables compare the soil analytical results to New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) which apply to use of the Property as an apartment building/townhouse owned and maintained by single entity. In addition to residential SCOs, the results were compared to SCOs applicable to the protection of groundwater and soil cleanup levels (SCLs) for gasoline and fuel contaminated soils. The criteria used for comparison of the soil analytical results are as follows:

Results

- NYSDEC 6 NYCRR §375-6.8(b) SCOs for Restricted Residential Use (RR) and Protection of Groundwater (POGW).
- NYSDEC Commissioner's Policy 51 (CP-51) SCLs for RR and POGW use and gasoline and fuel oil contaminated soil.

Metals

Several exceedances of SCOs were detected in samples analyzed for metals.

- A total of three samples collected from TB-7, TB-9 and TB-12 were analyzed for TAL metals. Common naturally occurring metals including calcium, magnesium, and iron that are often present in soil were detected in the three samples. The observed concentrations of these metals are generally consistent with the concentrations of these naturally occurring metals at other locations within the City of Rochester.
- TB-9 had a detection of lead (517 mg/kg) above the SCO for RR (400 mg/kg) and POGW (450 mg/kg). The sample collected from TB-9 was collected from 1 to 4 ft bgs where bricks, sand, gravel, and cinders were observed.

PCBs

Three samples were collected for PCB analysis. There were no detections of PCBs reported in the soil samples tested during the Phase II ESA.

SVOCs

Seven samples were collected for SVOC analysis. Two samples had detections of SVOCs above applicable SCOs/SCLs:

- TB-7, which was collected between 6 and 8 ft bgs from an interval containing urban fill and wood debris with a creosote like odor, had seven SVOCs detected above applicable SCOs/SLCs.
- One SVOC (Benzo(b)fluoranthene) was detected in TB-12 above the RR SCO and fuel oil contaminated soil SLC. This sample was collected from 1 to 3 ft bgs in fill containing sand, gravel, brick fragments and trace cinders.

VOCs

Seven samples were collected for VOC analysis. Only on VOC was detected above SCOs/SCLs. Naphthalene (which is often considered a SVOC) was detected above the RR SCO in TB-7 collected between 6 and 8 ft bgs from an interval containing urban fill and wood debris with a creosote like odor.

3.3 GROUNDWATER SAMPLE ANALYTICAL RESULTS

Groundwater samples were collected on November 29, 2021 from four overburden/bedrock interface wells as shown on Figures 2A-2D and Table 1. Analytical laboratory test results for groundwater samples are summarized in Table 3. The results are compared to NYSDEC Class GA Water Quality Standards and Guidance Values (SGVs) for groundwater (TOGS 1.1.1; NYSDEC, 1998) even though the City of Rochester code prohibits the use of groundwater as a drinking water supply and the municipal water supply is provided from sources located outside the City limits. Analytical laboratory reports are presented in Appendix C.

As shown in Table 3 no SVOCs or VOCs were detected in the samples above SGVs. In the four samples collected only one compound was detected above laboratory detection limits. Tetrachloroethene in MW-8 was detected at 3.1 ug/L; however, this is below the SGV of 5 ug/L.

4.0 SUMMARY AND CONCLUSIONS

Data collected during the Phase II ESA indicates the following:

- None of the soil samples analyzed had exceedances of polychlorinated biphenyls (PCBs), above applicable New York State Department of Environmental Conservation (NYSDEC) Soil Cleanup Objectives (SCOs) and do not represent a concern in soil for the Property.

- Commonly occurring metals (calcium, magnesium and iron) were detected in the soil samples analyzed for metals above the applicable NYSDEC SCOs and Commissioner's Policy (CP-51) Soil Cleanup Levels (SCLs). These metals are often present in soil and the concentrations are generally consistent with the concentrations of these naturally occurring metals at other locations within the City of Rochester. The detections of commonly occurring metals in soil is not a site concern.

- Fill with urban fill components (brick, cinders, glass, asphalt and/or concrete) was observed throughout the Property ranging from 2.2 to 8.8 ft thick. In one location (TB-7) wood debris with a creosote like odor and slightly elevated PID was observed in the fill. Several exceedances of applicable SCOs and SCLs were identified from samples collected within urban fill:

    - TB-9 had a detection of lead (517 mg/kg) above the SCOs for restricted residential (RR) use (400 mg/kg) and Protection of Groundwater (POGW) (450 mg/kg). The sample collected from TB-9 was collected from 1 to 4 ft bgs where bricks, sand, gravel, and cinders were observed.

    - TB-7, which was collected between 6 and 8 ft bgs from an interval containing urban fill and wood debris with a creosote like odor, had seven semi volatile organic compounds (SVOCs) and one volatile organic compound (VOC) detected above applicable SCOs/SLCs.

    - One SVOC (Benzo(b)fluoranthene) was detected in TB-12 above the RR SCO and fuel oil contaminated soil SCL. This sample was collected from 1 to 3 ft bgs in fill containing sand, gravel, brick fragments and trace cinders.

- No SVOCs or VOCs were detected in groundwater samples above NYSDEC Class GA Water Quality Standards and Guidance Values (SGVs) for groundwater.

Stantec recommends that a Site Management Plan (SMP) be developed and implemented so that, during site-development, the soils containing the urban fill components across the can be properly managed and addressed as encountered during redevelopment of the Property, whether taken off-site for disposal to ensure proper disposal of soils that need to be removed from the Property, or remaining on-site to limit contact the public has with impacted materials after development.

Additionally, given the exceedance of lead above RR Use in shallow soils (between 1 and 4 ft) it is recommended that placement of either a cap (such as concrete, asphalt or building foundation) or two feet of clean fill be considered during site redevelopment across the Property.

5.0 REFERENCES

NYSDEC, 1998	*Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*, Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. June 1998 (April 2000 and June 2004 addenda).
NYSDEC, 2006	6NYCRR Part 375 Environmental Remediation Programs, December 14, 2006.
NYSDEC, 2010a	*Technical Guidance for Site Investigation and Remediation* (DER-10), May 3, 2010.
NYSDEC, 2010b	*Soil Cleanup Guidance*, Commissioner's Policy CP-51. October 21, 2010.
Stantec, 2015	Phase I Environmental Site Assessment, 100 Borinquen Plaza, Rochester, Monroe County, New York, December 14, 2015.
Ravi, 2021	Phase I Environmental Site Assessment, Borinquen Plaza, 675, 6767, 720 and 744 North Clinton Avenue, Rochester, New York, April 14, 2021.

Table 1
Sample Summary
Los Famboyanes
Phase II Environmental Site Assessment

Sample ID	Location	Location Type	Parcel	Media	Date Collected	PID Reading (PPM)	Depth (ft bgs)	TCL + CP-51 VOCs	TCL SVOCs	RCRA Metals	PCBs
Soil Samples											
TB-1 5-7'	TB-1	TB	675 North Clinton Ave	Soil	11/8/2021	0.0	5.0-7.0	X	X		
TB-6 4-6'	TB-6	TB	676 North Clinton Ave	Soil	11/9/2021	0.0	4.0-6.0	X	X		
TB-7 6-8'	TB-7	TB	676 North Clinton Ave	Soil	11/8/2021	3.9	6.0-8.0	X	X	X	X
TB-9 1-4'	TB-9	TB	720 North Clinton Ave	Soil	11/9/2021	0.0	1.0-4.0	X	X	X	X
TB-10 8-11.3'	TB-10	TB	720 North Clinton Ave	Soil	11/9/2021	0.0	8.0-11.3	X	X		
TB-11 10-11.4'	TB-11	TB	744 North Clinton Ave	Soil	11/9/2021	0.1	10-11.4	X	X		
TB-12 1-3'	TB-12	TB	744 North Clinton Ave	Soil	11/9/2021	0.0	1.0-3.0	X	X	X	X
Groundwater Samples											
MW-4	TB/MW-4	TB/MW	675 North Clinton Ave	Groundwater	11/29/2021	NA	NA	X	X		
MW-5	TB/MW-5	TB/MW	676 North Clinton Ave	Groundwater	11/29/2021			X	X		
MW-8	TB/MW-8	TB/MW	720 North Clinton Ave	Groundwater	11/29/2021			X	X		
MW-14	MW-14	MW	744 North Clinton Ave	Groundwater	11/29/2021			X	X		
Quality Control Blank Samples											
Trip Blank 1	Trip Blank			Water	11/26/2021	NA	NA	X			

Notes:

CP-51	Commissioner's Policy 51
ft bgs	Feet Below Ground Surface
MW	Monitoring Well
NA	Not Applicable
PCBs	Polychlorinate Biphynels
PID	Photoionization Detector
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
SVOC	Semi-Volatile Organic Compounds
TB	Test Boring
TCL	Target Compound List
VOC	Volatile Organic Compounds

Table 2
Summary of Soil Analytical Results
Los Flamboyanes
Phase II Environmental Site Assessment

Sample Location				TB-1	TB-6	TB-7	TB-9	TB-10	TB-11	TB-12
Sample Date				8-Nov-21	9-Nov-21	8-Nov-21	9-Nov-21	9-Nov-21	9-Nov-21	9-Nov-21
Sample ID				TB-1 5-7'	TB-6 4-6'	TB-7 6-8'	TB-9 1-4'	TB-10 8-11.3'	TB-11 10-11.4'	TB-12 1-3'
Sample Depth				5 - 7 ft	4 - 6 ft	6 - 8 ft	1 - 4 ft	8 - 11.3 ft	10 - 11.4 ft	1 - 3 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				ERF	ERF	ERF	ERF	ERF	ERF	ERF
Laboratory Work Order				480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1
Laboratory Sample ID	Units	NYSDEC-Part 375	NYSDEC CP-51	480-192295-1	480-192295-2	480-192295-3	480-192295-4	480-192295-5	480-192295-6	480-192295-7
Metals										
Aluminum	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	5,730	8,690	-	-	7,430
Antimony	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	17.4 U	17.9 U	-	-	16.1 U
Arsenic	mg/kg	16$_q$[AB]	n/v	-	-	4.0	11.6	-	-	6.1
Barium	mg/kg	400[A] 820[B]	n/v	-	-	33.4	130	-	-	81.3
Beryllium	mg/kg	72[A] 47[B]	n/v	-	-	0.30	0.59	-	-	0.42
Cadmium	mg/kg	4.3[A] 7.5[B]	n/v	-	-	0.23	0.50	-	-	1.1
Calcium	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	**80,700[ABD]**	**25,000[ABD]**	-	-	**30,200[ABD]**
Chromium	mg/kg	180$_i$[A] $_{NS,q}$[B]	n/v	-	-	7.9	24.2	-	-	11.2
Cobalt	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	4.3	6.3	-	-	4.8
Copper	mg/kg	270[A] 1,720[B]	n/v	-	-	18.5	83.0	-	-	42.5
Iron	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	**10,200[ABD]**	**33,900[ABD]**	-	-	**13,000[ABD]**
Lead	mg/kg	400[A] 450[B]	n/v	-	-	41.6	**517[AB]**	-	-	244
Magnesium	mg/kg	10,000$_e$[AB]	n/v	-	-	**38,500[AB]**	9,290	-	-	8,630
Manganese	mg/kg	2,000$_o$[AB]	n/v	-	-	543	279	-	-	288
Mercury	mg/kg	0.81$_k$[A] 0.73[B]	n/v	-	-	0.31	0.31	-	-	0.36
Nickel	mg/kg	310[A] 130[B]	n/v	-	-	8.4	31.6	-	-	12.5
Potassium	mg/kg	10,000$_e$[AB]	n/v	-	-	1,950	1,370	-	-	1,700
Selenium	mg/kg	180[A] 4$_q$[B]	n/v	-	-	4.6 U	4.8 U	-	-	4.3 U
Silver	mg/kg	180[A] 8.3[B]	n/v	-	-	0.70 U	0.72 U	-	-	0.64 U
Sodium	mg/kg	10,000$_e$[AB]	n/v	-	-	162	558	-	-	168
Thallium	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	7.0 U	7.2 U	-	-	6.4 U
Vanadium	mg/kg	10,000$_e$[AB]	10,000$_a$[D]	-	-	13.7	27.6	-	-	16.8
Zinc	mg/kg	10,000$_e$[A] 2,480[B]	n/v	-	-	54.5 ^+	169 ^+	-	-	124 ^+
Polychlorinated Biphenyls										
Aroclor 1016	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1221	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1232	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1242	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1248	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1254	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Aroclor 1260	mg/kg	$_o$[AB]	n/v	-	-	0.21 U	0.21 U	-	-	0.21 U
Polychlorinated Biphenyls (PCBs)	mg/kg	1[A] 3.2[B]	n/v	-	-	ND	ND	-	-	ND
Semi-Volatile Organic Compounds										
Acenaphthene	µg/kg	100,000$_b$[A] 98,000[B]	20,000[F]	190 U	190 U	5,400	5,900 U	970 U	190 U	940 U
Acenaphthylene	µg/kg	100,000$_b$[A] 107,000[B]	100,000[F]	190 U	190 U	1,700	5,900 U	970 U	190 U	940 U
Acetophenone	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Anthracene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100,000[F]	190 U	190 U	5,500	5,900 U	970 U	190 U	940 U
Atrazine	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Benzaldehyde	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Benzo(a)anthracene	µg/kg	1,000$_g$[AB]	1,000[F]	190 U	190 U	**11,000[ABF]**	5,900 U	970 U	190 U	970
Benzo(a)pyrene	µg/kg	1,000$_g$[A] 22,000[B]	1,000[F]	190 U	190 U	**6,300[AF]**	5,900 U	970 U	190 U	1,000
Benzo(b)fluoranthene	µg/kg	1,000$_g$[A] 1,700[B]	1,000[F]	190 U	190 U	**9,600[ABF]**	5,900 U	970 U	190 U	**1,400[AF]**
Benzo(g,h,i)perylene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100,000[F]	190 U	190 U	2,800	5,900 U	970 U	190 U	940 U
Benzo(k)fluoranthene	µg/kg	3,900[A] 1,700[B]	800[F]	190 U	190 U	**4,800[ABF]**	5,900 U	970 U	190 U	940 U
Biphenyl	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Bis(2-Chloroethoxy)methane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Bis(2-Chloroethyl)ether	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	435,000[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Bromophenyl Phenyl Ether, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Butyl Benzyl Phthalate	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	122,000[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Caprolactam	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Carbazole	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Chloro-3-methyl phenol, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Chloroaniline, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	220[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Chloronaphthalene, 2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Chlorophenol, 2- (ortho-Chlorophenol)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Chlorophenyl Phenyl Ether, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Chrysene	µg/kg	3,900[A] 1,000$_g$[B]	1,000[F]	190 U	190 U	**9,900[ABF]**	5,900 U	970 U	190 U	1,000
Cresol, o- (Methylphenol, 2-)	µg/kg	100,000$_b$[A] 330$_f$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Cresol, p- (Methylphenol, 4-)	µg/kg	100,000$_b$[A] 330$_f$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Dibenzo(a,h)anthracene	µg/kg	330[A] 1,000,000$_d$[B]	330[F]	190 U	190 U	**1,100[AF]**	5,900 U	970 U	190 U	940 U
Dibenzofuran	µg/kg	59,000[A] 210,000[B]	6,200[D]	190 U	190 U	3,800	5,900 U	970 U	190 U	940 U
Dibutyl Phthalate (DBP)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	8,100[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Dichlorobenzidine, 3,3'-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Dichlorophenol, 2,4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	400[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Diethyl Phthalate	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	7,100[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Dimethyl Phthalate	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	27,000[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Dimethylphenol, 2,4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Dinitro-o-cresol, 4,6-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Dinitrophenol, 2,4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	200[D]	1,900 U	1,900 U	9,000 U	58,000 U	9,500 U	1,800 U	9,200 U
Dinitrotoluene, 2,4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Dinitrotoluene, 2,6-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	1,000/170$_{b,s1}$[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Di-n-Octyl phthalate	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	120,000[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Fluoranthene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100,000[F]	190 U	190 U F1	23,000	5,900 U	970 U	190 U	2,000
Fluorene	µg/kg	100,000$_b$[A] 386,000[B]	30,000[F]	190 U	190 U	6,200	5,900 U	970 U	190 U	940 U
Hexachlorobenzene	µg/kg	1,200[A] 3,200[B]	1,400[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Hexachlorocyclopentadiene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Hexachloroethane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Indeno(1,2,3-cd)pyrene	µg/kg	500$_g$[A] 8,200[B]	500[F]	190 U	190 U	**2,900[AF]**	5,900 U	970 U	190 U	940 U
Isophorone	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	4,400[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Methylnaphthalene, 2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	36,400[D]	190 U	190 U	1,900	5,900 U	970 U	190 U	940 U
Naphthalene	µg/kg	100,000$_b$[A] 12,000[B]	12,000[EF]	190 U	190 U	3,100	5,900 U	970 U	190 U	940 U
Nitroaniline, 2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	400[D]	380 U	370 U F1	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Nitroaniline, 3-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	500[D]	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Nitroaniline, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Nitrobenzene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	15,000[C] 170$_b$[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Nitrophenol, 2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	300[D]	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Nitrophenol, 4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100[D]	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
N-Nitrosodi-n-Propylamine	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
n-Nitrosodiphenylamine	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U F2	920 U	5,900 U	970 U	190 U	940 U
Pentachlorophenol	µg/kg	6,700[A] 800$_f$[B]	n/v	380 U	370 U	1,800 U	11,000 U	1,900 U	360 U	1,800 U
Phenanthrene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100,000[F]	190 U	190 U	23,000	5,900 U	970 U	190 U	940 U
Phenol	µg/kg	100,000$_b$[A] 330$_f$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U
Pyrene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100,000[F]	190 U	190 U	18,000	5,900 U	970 U	190 U	1,600
Trichlorophenol, 2,4,5-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	100[D]	190 U	190 U F1	920 U	5,900 U	970 U	190 U	940 U
Trichlorophenol, 2,4,6-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	190 U	190 U	920 U	5,900 U	970 U	190 U	940 U

See notes on last page.

Table 2
Summary of Soil Analytical Results
Los Flamboyanes
Phase II Environmental Site Assessment

Sample Location				TB-1	TB-6	TB-7	TB-9	TB-10	TB-11	TB-12
Sample Date				8-Nov-21	9-Nov-21	8-Nov-21	9-Nov-21	9-Nov-21	9-Nov-21	9-Nov-21
Sample ID				TB-1 5-7'	TB-6 4-6'	TB-7 6-8'	TB-9 1-4'	TB-10 8-11.3'	TB-11 10-11.4'	TB-12 1-3'
Sample Depth				5 - 7 ft	4 - 6 ft	6 - 8 ft	1 - 4 ft	8 - 11.3 ft	10 - 11.4 ft	1 - 3 ft
Sampling Company				STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory				ERF	ERF	ERF	ERF	ERF	ERF	ERF
Laboratory Work Order				480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1	480-192295-1
Laboratory Sample ID	Units	NYSDEC-Part 375	NYSDEC CP-51	480-192295-1	480-192295-2	480-192295-3	480-192295-4	480-192295-5	480-192295-6	480-192295-7
Volatile Organic Compounds										
Acetone	µg/kg	100,000$_b$[A] 50[B]	n/v	29 U vs	28 U vs	2,300 U	29 U	29 U vs	27 U vs	28 U vs
Benzene	µg/kg	4,800[A] 60[B]	60[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Bromodichloromethane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Bromoform (Tribromomethane)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Bromomethane (Methyl bromide)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Butylbenzene, n-	µg/kg	100,000$_b$[A] 12,000[B]	12,000[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Butylbenzene, sec- (2-Phenylbutane)	µg/kg	100,000$_b$[A] 11,000[B]	11,000[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Butylbenzene, tert-	µg/kg	100,000$_b$[A] 5,900[B]	5,900[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Carbon Disulfide	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	2,700[D]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Carbon Tetrachloride (Tetrachloromethane)	µg/kg	2,400[A] 760[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Chlorobenzene (Monochlorobenzene)	µg/kg	100,000$_b$[A] 1,100[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Chloroethane (Ethyl Chloride)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	1,900[D]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Chloroform (Trichloromethane)	µg/kg	49,000[A] 370[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Chloromethane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Cyclohexane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dibromochloromethane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichlorobenzene, 1,2-	µg/kg	100,000$_b$[A] 1,100[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichlorobenzene, 1,3-	µg/kg	49,000[A] 2,400[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichlorobenzene, 1,4-	µg/kg	13,000[A] 1,800[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichlorodifluoromethane (Freon 12)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloroethane, 1,1-	µg/kg	26,000[A] 270[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloroethane, 1,2-	µg/kg	3,100[A] 20$_g$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloroethene, 1,1-	µg/kg	100,000$_b$[A] 330[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloroethene, cis-1,2-	µg/kg	100,000$_b$[A] 250[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloroethene, trans-1,2-	µg/kg	100,000$_b$[A] 190[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloropropane, 1,2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloropropene, cis-1,3-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Dichloropropene, trans-1,3-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Ethylbenzene	µg/kg	41,000[A] 1,000[B]	1,000[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Hexanone, 2- (Methyl Butyl Ketone)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	29 U vs	28 U vs	2,300 U	29 U	29 U vs	27 U vs	28 U vs
Isopropylbenzene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	2,300[DEF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Isopropyltoluene, p- (Cymene)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	10,000[DEF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Methyl Acetate	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	29 U vs	28 U vs	2,300 U	29 U	29 U vs	27 U vs	28 U vs
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/kg	100,000$_b$[A] 120[B]	300[D]	29 U vs	28 U vs	2,300 U	29 U	29 U vs	27 U vs	28 U vs
Methyl Isobutyl Ketone (MIBK)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	1,000[D]	29 U vs	28 U vs	2,300 U	29 U	29 U vs	27 U vs	28 U vs
Methyl tert-butyl ether (MTBE)	µg/kg	100,000$_b$[A] 930[B]	930[E]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Methylcyclohexane	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Methylene Chloride (Dichloromethane)	µg/kg	100,000$_b$[A] 50[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Naphthalene	µg/kg	100,000$_b$[A] 12,000[B]	12,000[EF]	5.7 U vs	5.6 U vs	**15,000[BEF]**	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Propylbenzene, n-	µg/kg	100,000$_b$[A] 3,900[B]	3,900[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Styrene	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Tetrachloroethane, 1,1,2,2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	600[D]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Tetrachloroethene (PCE)	µg/kg	19,000[A] 1,300[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Toluene	µg/kg	100,000$_b$[A] 700[B]	700[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichlorobenzene, 1,2,4-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	3,400[D]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichloroethane, 1,1,1-	µg/kg	100,000$_b$[A] 680[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichloroethane, 1,1,2-	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichloroethene (TCE)	µg/kg	21,000[A] 470[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichlorofluoromethane (Freon 11)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trichlorotrifluoroethane (Freon 113)	µg/kg	100,000$_b$[A] 1,000,000$_d$[B]	6,000[D]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trimethylbenzene, 1,2,4-	µg/kg	52,000[A] 3,600[B]	3,600[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Trimethylbenzene, 1,3,5-	µg/kg	52,000[A] 8,400[B]	8,400[EF]	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Vinyl Chloride	µg/kg	900[A] 20[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Xylene, m & p-	µg/kg	100,000$_{b,o}$[A] 1,600$_o$[B]	n/v	11 U vs	11 U vs	910 U	11 U	11 U vs	11 U vs	11 U vs
Xylene, o-	µg/kg	100,000$_{b,o}$[A] 1,600$_o$[B]	n/v	5.7 U vs	5.6 U vs	460 U	5.7 U	5.7 U vs	5.5 U vs	5.6 U vs
Xylenes, Total	µg/kg	100,000$_b$[A] 1,600[B]	260[EF]	11 U vs	11 U vs	910 U	11 U	11 U vs	11 U vs	11 U vs

Notes:

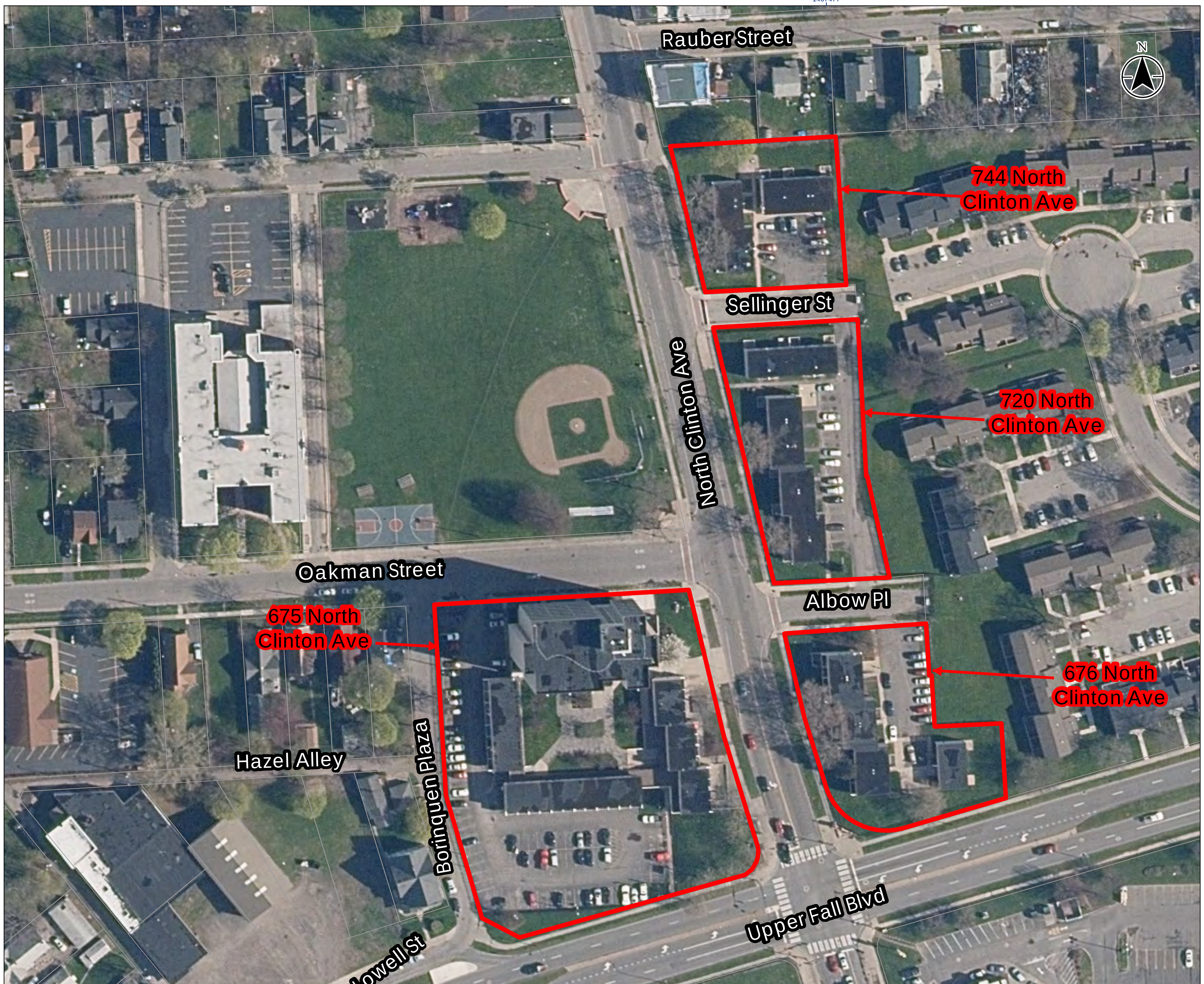
NYSDEC-Part 375	NYSDEC 6 NYCRR Part 375 Soil Clean-up Objectives (SCOs)
A	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Human Health - Restricted Residential
B	NYSDEC 6 NYCRR Part 375 - Restricted Use SCO - Protection of Groundwater
NYSDEC CP-51	New York State Department of Environmental Conservation, DEC Policy CP-51, October 21, 2010
C	Table 1 Supplemental Soil Cleanup Objectives - Restricted Residential
D	Table 1 Supplemental Soil Cleanup Objectives - Protection of Groundwater
E	Table 2 Soil Cleanup Levels for Gasoline Contaminated Soils
F	Table 3 Soil Cleanup Levels for Fuel Oil Contaminated Soil
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
a	SCOs for organic contaminants (volatile organic compounds, semivolatile organic compounds, and pesticides) are capped at 100 ppm for residential use, 500 ppm for commercial use, 1000 ppm for industrial use. SCOs for metals are capped at 10,000 p
b[A]	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
b[D]	Based on rural background study
b,p	The SCOs for residential, restricted-residential and ecological resources use were capped at a maximum value of 100 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3. The criterion is applicable to total xylenes, and the individual isomers should be adde
b,s1	Based on rural background study. The value of 1.0 refers to SVOC analses while the 0.17b refers to VOC analyses.
d	The SCOs for industrial use and the protection of groundwater were capped at a maximum value of 1000 mg/kg (Organics) and 10000 mg/kg (Inorganics). See 6 NYCRR Part 375 TSD Section 9.3.
e	The SCOS for metals were capped at a maximum value of 10,000 mg/kg. See 6 NYCRR Part 375 TSD Section 9.3.
f	For constituents where the calculated SCO was lower than the CRQL, the CRQL is used as the SCO value.
g	For constituents where the calculated SCO was lower than the rural soil background concentration as determined by the DEC/DOH rural soil survey, the rural soil background concentration is used as the Track 2 SCO value for this use of the site.
i	The SCO for this specific compound (or family of compounds) is considered to be met if the analysis for the total species of this contaminant is below the specific SCO.
k	This SCO is the lower of the values for mercury (elemental) or mercury (inorganic salts). See 6 NYCRR Part 375 TSD Table 5.6-1.
NS,q	No SCO has been established for this compound. No SCO has been established for total chromium; however, see standards for trivalent and hexavalent chromium.
o	Standard is applicable to total PCBs, and the individual Aroclors should be added for comparison.
p	The criterion is applicable to total xylenes, and the individual isomers should be added for comparison.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits.
ND	Not detected.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.
ERF	Eurofins TestAmerica, Buffalo, NY

Table 3
Summary of Groundwater Analytical Results
Los Flamboyanes
Phase II Environmental Site Assessment

Sample Location			MW-4	MW-5	MW-8	MW-14	TRIP BLANK
Sample Date			29-Nov-21	29-Nov-21	29-Nov-21	29-Nov-21	29-Nov-21
Sample ID			MW-4	MW-5	MW-8	MW-14	TRIP BLANK 2
Sampling Company			STANTEC	STANTEC	STANTEC	STANTEC	STANTEC
Laboratory			ERF	ERF	ERF	ERF	ERF
Laboratory Work Order			480-192876-1	480-192876-1	480-192876-1	480-192876-1	480-192876-1
Laboratory Sample ID			480-192876-1	480-192876-2	480-192876-3	480-192876-4	480-192876-5
Sample Type	Units	TOGS					Trip Blank
Semi-Volatile Organic Compounds							
Acenaphthene	µg/L	20[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Acenaphthylene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Acetophenone	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Anthracene	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Atrazine	µg/L	7.5[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Benzaldehyde	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzo(a)anthracene	µg/L	0.002[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzo(a)pyrene	µg/L	ND[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzo(b)fluoranthene	µg/L	0.002[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzo(g,h,i)perylene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Benzo(k)fluoranthene	µg/L	0.002[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Biphenyl	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Bis(2-Chloroethoxy)methane	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Bis(2-Chloroethyl)ether	µg/L	1[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Bis(2-Chloroisopropyl)ether (2,2-oxybis(1-Chloropropane))	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Bis(2-Ethylhexyl)phthalate (DEHP)	µg/L	5[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Bromophenyl Phenyl Ether, 4-	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Butyl Benzyl Phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Caprolactam	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Carbazole	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Chloro-3-methyl phenol, 4-	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Chloroaniline, 4-	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Chloronaphthalene, 2-	µg/L	10[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Chlorophenol, 2- (ortho-Chlorophenol)	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Chlorophenyl Phenyl Ether, 4-	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Chrysene	µg/L	0.002[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Cresol, o- (Methylphenol, 2-)	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Cresol, p- (Methylphenol, 4-)	µg/L	n/v	10 U	10 U	10 U	10 U	-
Dibenzo(a,h)anthracene	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Dibenzofuran	µg/L	n/v	10 U *+	10 U *+	10 U *+	10 U *+	-
Dibutyl Phthalate (DBP)	µg/L	50[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Dichlorobenzidine, 3,3'-	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Dichlorophenol, 2,4-	µg/L	5**[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Diethyl Phthalate	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Dimethyl Phthalate	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Dimethylphenol, 2,4-	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Dinitro-o-cresol, 4,6-	µg/L	n/v	10 U *+	10 U *+	10 U *+	10 U *+	-
Dinitrophenol, 2,4-	µg/L	10[A]	10 U	10 U	10 U	10 U	-
Dinitrotoluene, 2,4-	µg/L	5**[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Dinitrotoluene, 2,6-	µg/L	5**[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Di-n-Octyl phthalate	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Fluoranthene	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Fluorene	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Hexachlorobenzene	µg/L	0.04[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Hexachlorobutadiene (Hexachloro-1,3-butadiene)	µg/L	0.5[B]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Hexachlorocyclopentadiene	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Hexachloroethane	µg/L	5**[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Indeno(1,2,3-cd)pyrene	µg/L	0.002[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Isophorone	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Methylnaphthalene, 2-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Naphthalene	µg/L	10[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Nitroaniline, 2-	µg/L	5**[B]	10 U	10 U	10 U	10 U	-
Nitroaniline, 3-	µg/L	5**[B]	10 U	10 U	10 U	10 U	-
Nitroaniline, 4-	µg/L	5**[B]	10 U *+	10 U *+	10 U *+	10 U *+	-
Nitrobenzene	µg/L	0.4[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Nitrophenol, 2-	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
Nitrophenol, 4-	µg/L	n/v	10 U	10 U	10 U	10 U	-
N-Nitrosodi-n-Propylamine	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	-
n-Nitrosodiphenylamine	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Pentachlorophenol	µg/L	1.0[B]	10 U	10 U	10 U	10 U	-
Phenanthrene	µg/L	50[A]	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Phenol	µg/L	1.0[B]	5.0 U	5.0 U	5.0 U	5.0 U	-
Pyrene	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	-
Trichlorophenol, 2,4,5-	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Trichlorophenol, 2,4,6-	µg/L	n/v	5.0 U *+	5.0 U *+	5.0 U *+	5.0 U *+	-
Volatile Organic Compounds							
Acetone	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U
Benzene	µg/L	1[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	µg/L	50[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform (Tribromomethane)	µg/L	50[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl bromide)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, n-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Butylbenzene, tert-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	µg/L	60[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene (Monochlorobenzene)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroethane (Ethyl Chloride)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	µg/L	7[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chloromethane	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	µg/L	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dibromochloromethane	µg/L	50[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,2-	µg/L	3[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,3-	µg/L	3[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorobenzene, 1,4-	µg/L	3[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (Freon 12)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,1-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethane, 1,2-	µg/L	0.6[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, 1,1-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, cis-1,2-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloroethene, trans-1,2-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropane, 1,2-	µg/L	1[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, cis-1,3-	µg/L	0.4[p][B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichloropropene, trans-1,3-	µg/L	0.4[p][B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50[A]	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Isopropylbenzene	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropyltoluene, p- (Cymene)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methyl Acetate	µg/L	n/v	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50[A]	10 U	10 U	10 U	10 U	10 U
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Methyl tert-butyl ether (MTBE)	µg/L	10[A]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylcyclohexane	µg/L	n/v	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Methylene Chloride (Dichloromethane)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene	µg/L	10[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Propylbenzene, n-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Styrene	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethane, 1,1,2,2-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene (PCE)	µg/L	5**[B]	1.0 U	1.0 U	3.1	1.0 U	1.0 U
Toluene	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorobenzene, 1,2,4-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,1-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethane, 1,1,2-	µg/L	1[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene (TCE)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorofluoromethane (Freon 11)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichlorotrifluoroethane (Freon 113)	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trimethylbenzene, 1,2,4-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trimethylbenzene, 1,3,5-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	µg/L	2[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylene, m & p-	µg/L	5**[B]	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Xylene, o-	µg/L	5**[B]	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes, Total	µg/L	5**[B]	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U

Notes:

TOGS	NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
[A]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
[B]	TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
6.5[A]	Concentration exceeds the indicated standard.
15.2	Measured concentration did not exceed the indicated standard.
0.50 U	Laboratory reporting limit was greater than the applicable standard.
0.03 U	Analyte was not detected at a concentration greater than the laboratory reporting limit.
n/v	No standard/guideline value.
-	Parameter not analyzed / not available.
**	The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
ND	None detected.
p	Applies to the sum of cis- and trans-1,3-dichloropropene.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
ERF	Eurofins TestAmerica, Buffalo, NY



Stantec

Legend

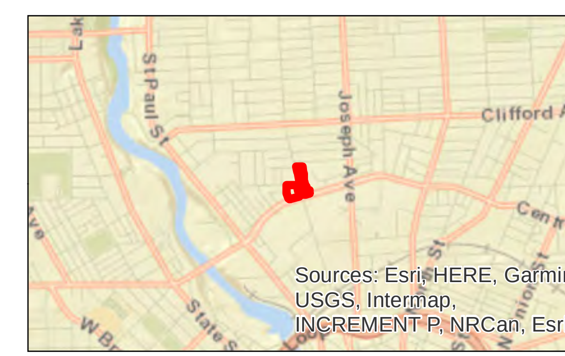
Property Boundaries

0 60 120 180 240 Feet

1:1,200 (At Original document size of 11x17)

Notes

1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.



North Clinton Avenue
100 Borinquen Plaza
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project

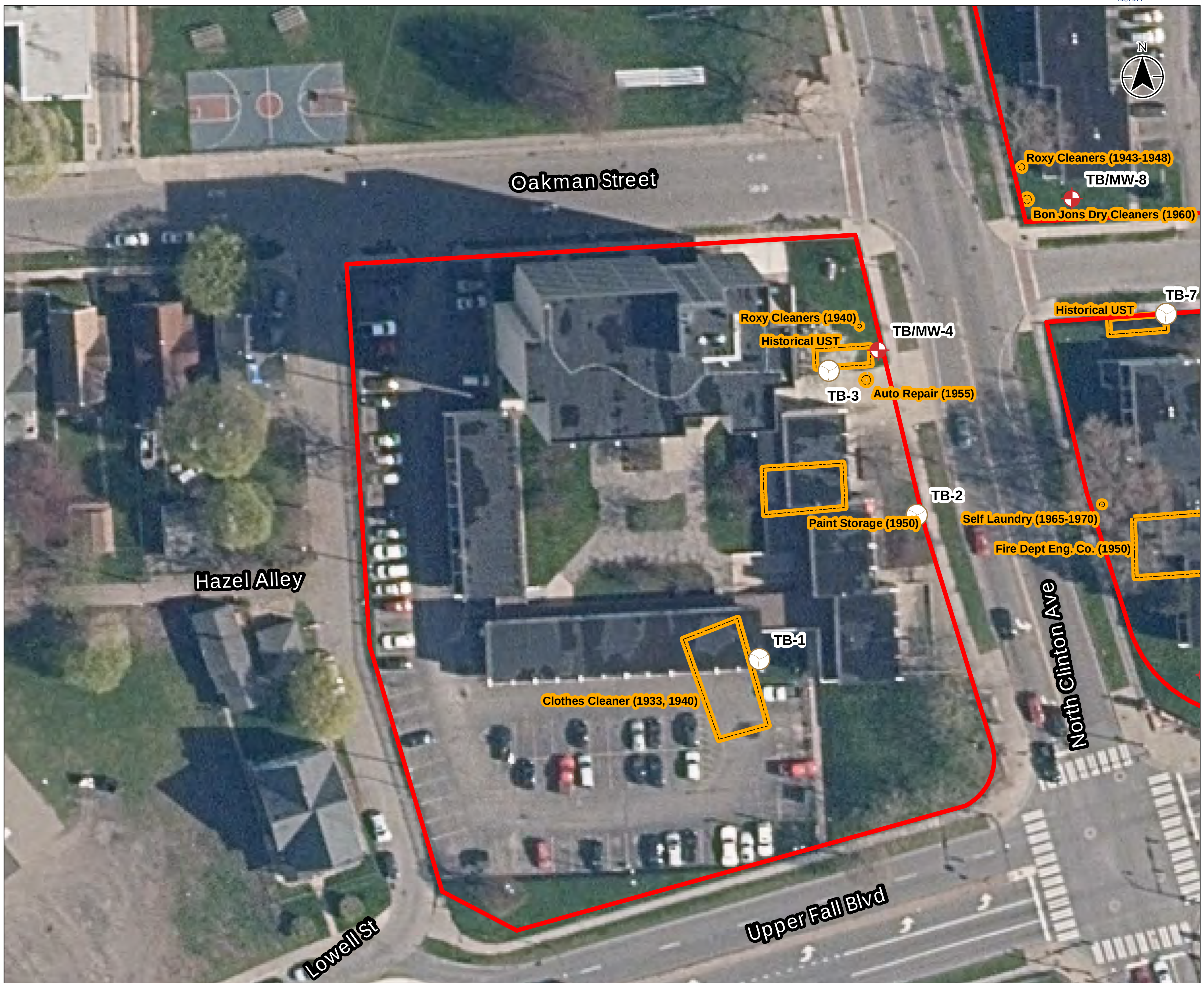
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
1

Title

Property Location

U:\213414077\05_report_deliv\dwgs_design\GIS_figures\PhaseIIESA\GIS\Figure 1 - Propert Location.mxd Revised: 2022-01-27 By: kpnelson



Stantec

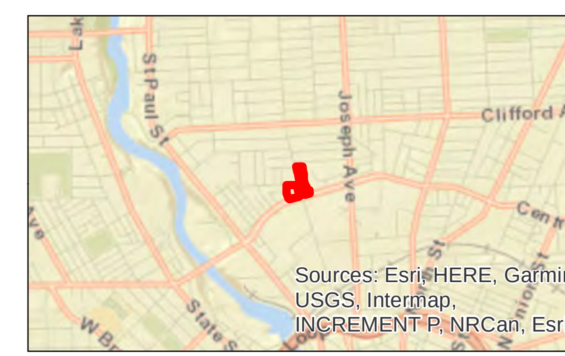
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate.



Project Location:
North Clinton Avenue
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

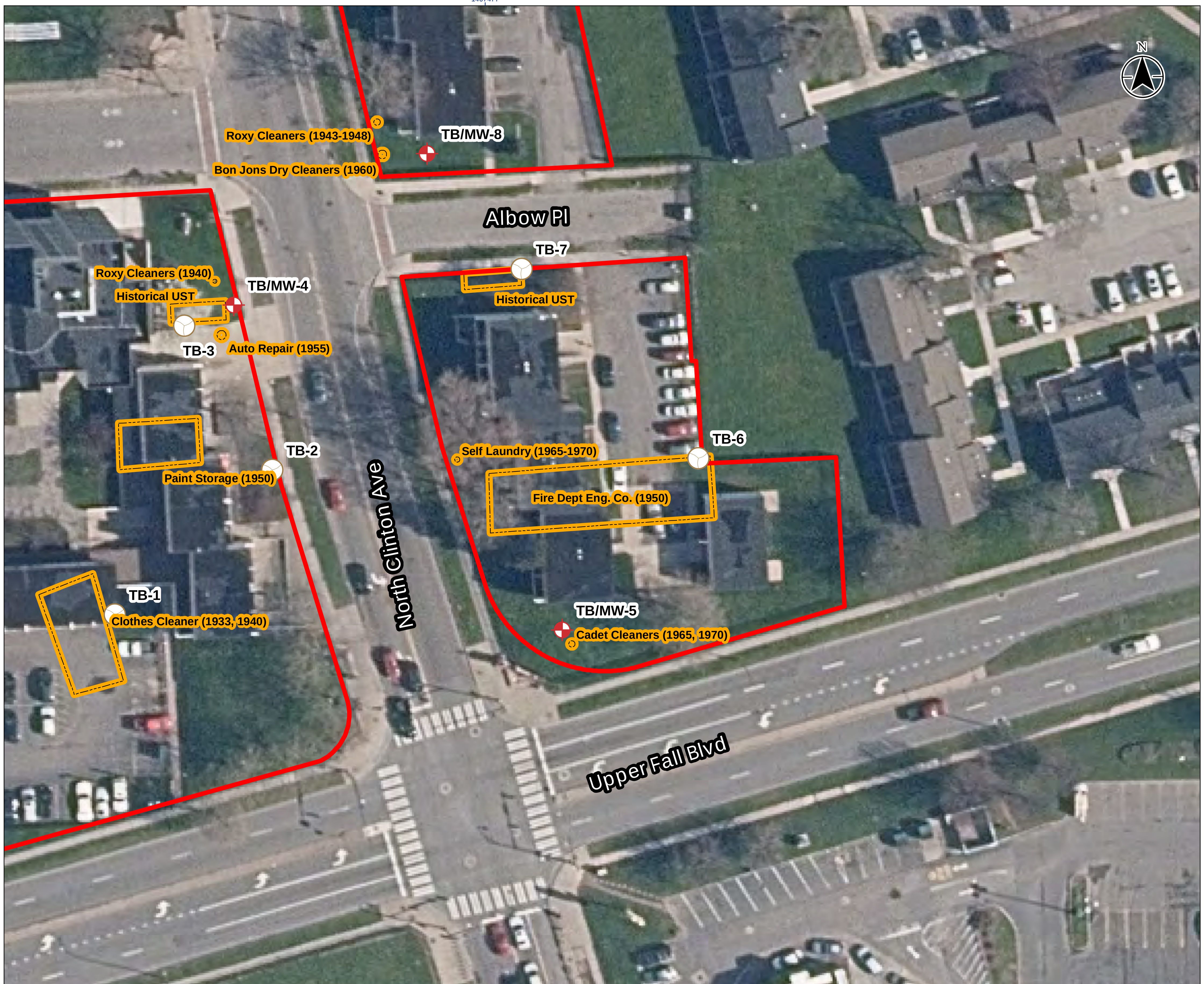
Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2A

Title
Investigation Locations
675 N Clinton Ave

U:\213414077\05_report_deliv\dwgs_design\GIS_figures\PhaseIIESA\GIS\Figure 2A 675 N Clinton.mxd Revised: 2022-01-27 By: kpnelson

1407477



1407477

Stantec

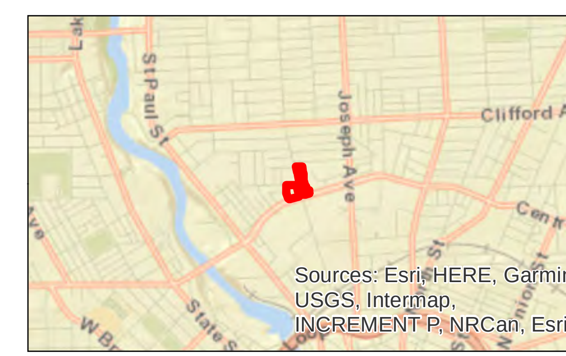
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate



Project Location:
North Clinton Avenue
Rochester, NY

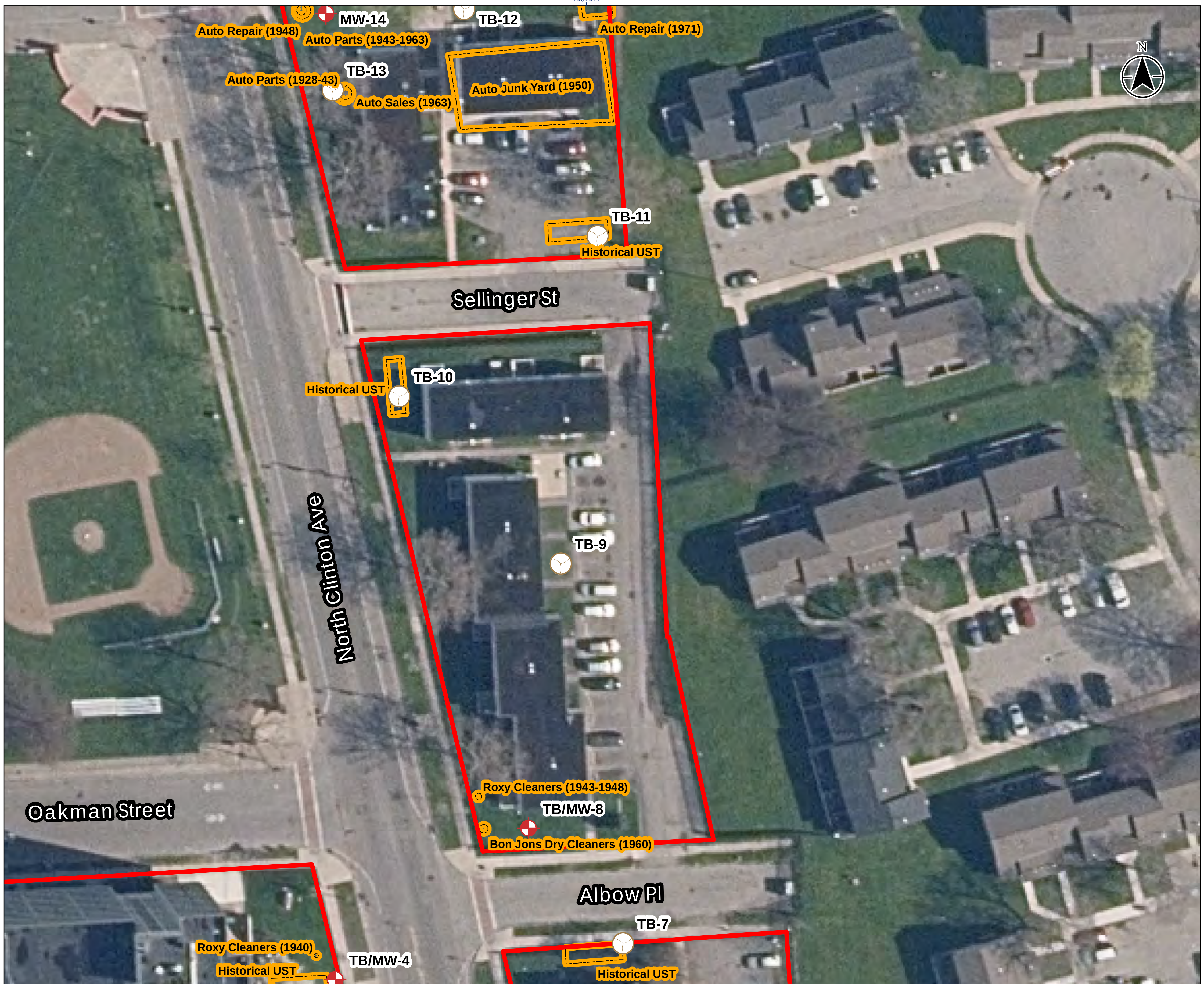
Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2B

Title
Investigation Locations
676 N Clinton Ave

1407477



1407477

Stantec

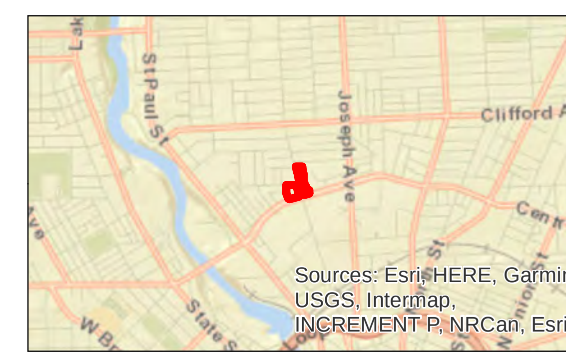
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate



Project Location:
North Clinton Avenue
Rochester, NY

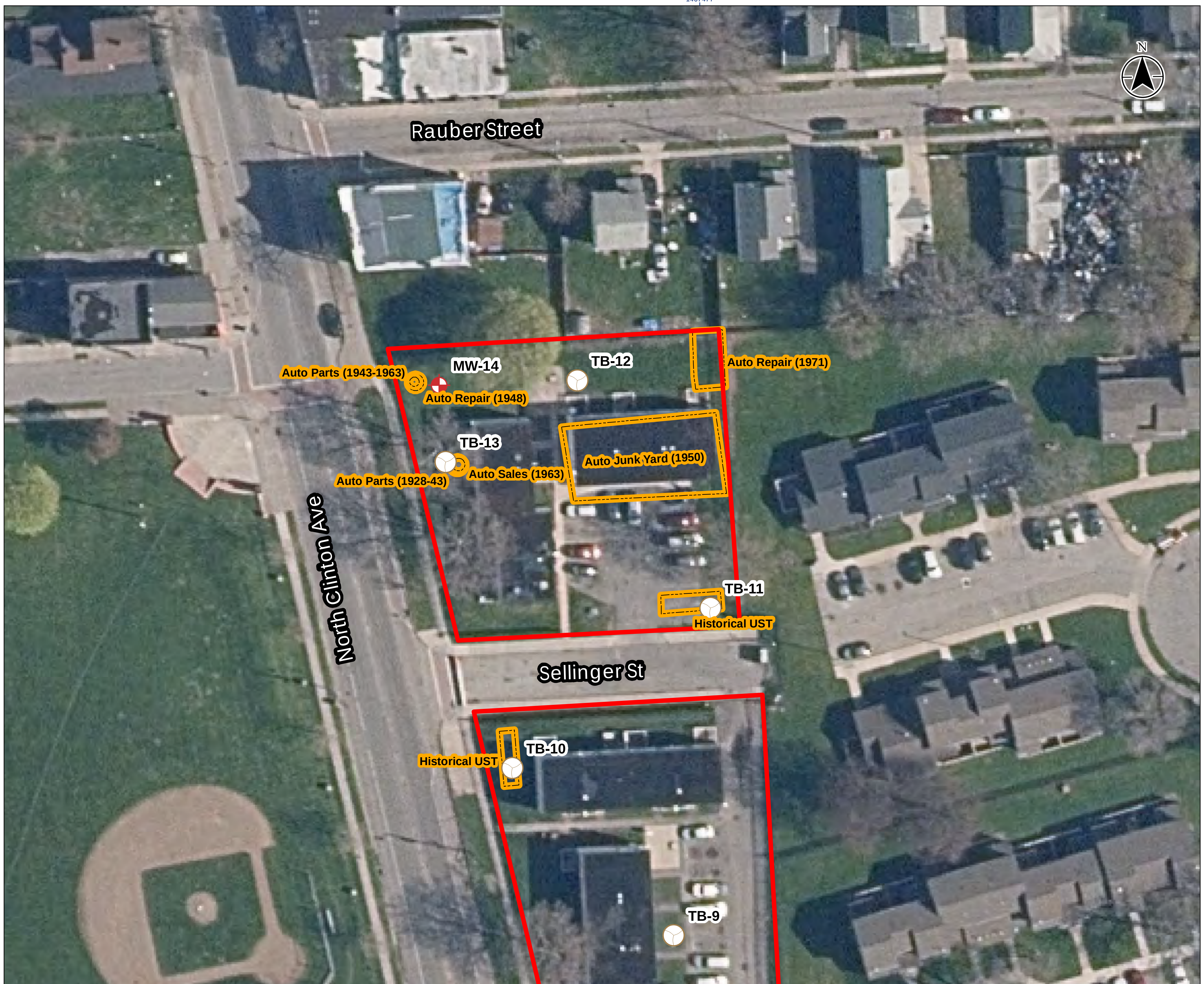
Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2C

Title
Investigation Locations
720 N Clinton Ave

1407477



1407477

Stantec

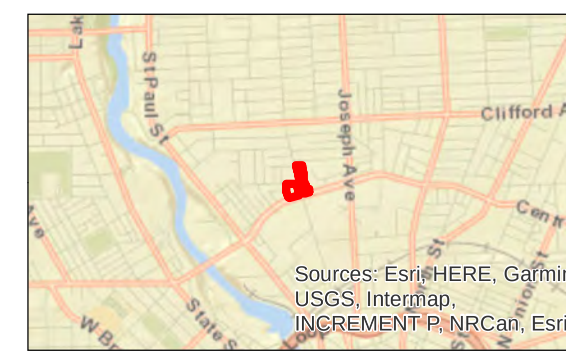
Legend

- Property Boundaries
- Monitoring Well
- Test Boring
- Historical Environmental Concerns

0 30 60 90 120 Feet

1:600 (At Original document size of 11x17)

Notes
1. Coordinate System: NAD 1983 StatePlane New York West FIPS 3103 Feet
2. Orthoimagery © NYS Orthos Online, 2020.
3. Locations are approximate.



Project Location:
North Clinton Avenue
Rochester, NY

Prepared by KN on 2022-01-26
Technical Review by SC on 2022-02-01

Client/Project
Landsman Development Corporation
Los Flamboyanes
Phase II Environmental Site Assessment

Figure No.
2D

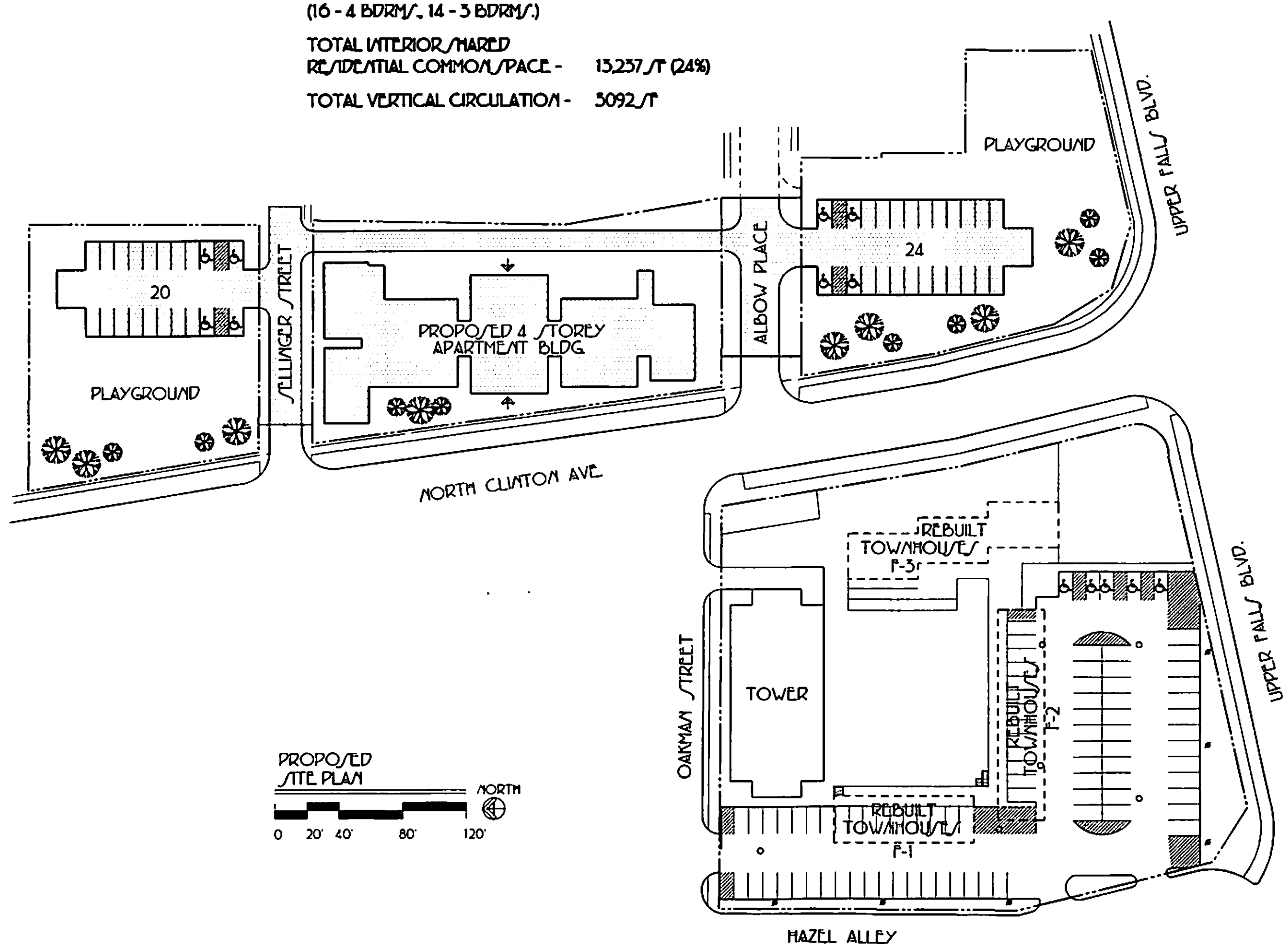
Title
Investigation Locations
744 N Clinton Ave

APPENDIX A

Conceptual Redevelopment Plans

MIDRISE STATISTICS:

TOTAL SF -	54,829 SF
TOTAL RESIDENTIAL SF - (16 - 4 BDRMS, 14 - 3 BDRMS.)	38,500 SF
TOTAL INTERIOR SHARED RESIDENTIAL COMMON SPACE -	13,257 SF (24%)
TOTAL VERTICAL CIRCULATION -	3092 SF



NOTICE:

PROJECT: CAPTOL IMPROVEMENTS TO LOS FLAMBOYANES
100 BORINQUEN PLAZA
ROCHESTER, N.Y. 14605

CHAIT STUDIOS
21 SLATE DRIVE
NORTH CHILI, NEW YORK 14514
585.747.8746 WWW.CHAITSTUDIOS.COM

PRELIMINARY NOT FOR CONSTRUCTION

DRAWING:
PROPOSED SITE PLAN

DRAWN:	CHECKED:
SBC	SBC

DATE: 5/22/21
SCALE: AS NOTED
JOB NO.: 210401
SHEET: S-2
OF 3 SHEETS

APPENDIX B

GPRS Summary Report

Job Summary

Job Date : 11/5/2021

Customer	STANTEC	**Phone Number**	(585) 705-5751

Billing Address	City	State	Zip
61 COMMERCIAL ST	ROCHESTER	NY	14614

Job Details

Jobsite Location	675 N CLINTON AVE
City	ROCHESTER
State	NY

WA Number	308081
Job Num	
PO Num	

Lead Technician	BOYUM, ERIC	**Phone**	716-364-4237	**Email**	eric.boyum@gprsinc.com

Thank you for using GPRS on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

EQUIPMENT USED

The following equipment was used on this project:

- Underground Scanning GPR antenna. Typically capable of detecting objects up to 8' deep or more in ideal conditions but maximum effective depth can vary widely and depends on site and soil conditions. Depth penetration is most commonly limited by moisture and clay/conductive soils. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.
- Electromagnetic Pipe and Cable Locator. Detects electromagnetic fields. Used to actively trace conductive pipes and tracer wires, or passively detect power and radio signals traveling along conductive pipes and utilities. Depths provided should always be treated as estimates as their accuracy can be affected by multiple factors.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Underground Utility

The scope of work included scanning the specified area to locate underground utilities. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel unless otherwise noted.

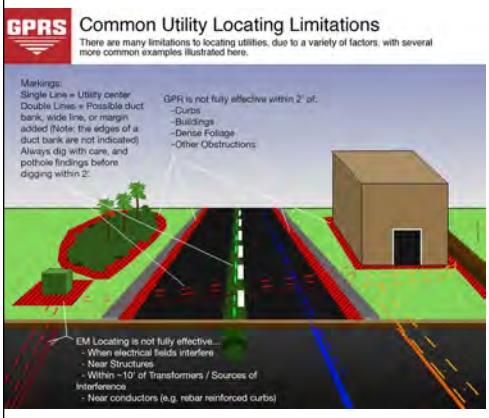
- The scope of work included scanning the areas around proposed soil borings. A radius of approximately 10' around each proposed soil boring was scanned unless otherwise noted. A total of 13 boring locations were scanned.
- Scan for all locatable utilities in the designated areas around the 13 soil borings as seen on the site map. 10' around each boring.
- The effective depth of GPR will vary throughout a site depending on surface and soil conditions. In this area, the maximum effective GPR depth was approximately 1-4 feet.

Job Summary

Job Date : 11/5/2021

- Scanned an area 10 x 10’ around all 13 proposed soil borings in order to clear the areas for the presence of utilities or historical USTS. Using the EMI pipe locator and GPR to scan the areas all 12 soil borings were cleared of utilities and there was no evidence of the Historical USTs or their graves plotted on the maps provided by the client. All marks were made with spray paint on the pavement or grass and flags were installed where possible.

Pictures



Utility Limitations

Job Summary

Job Date : 11/5/2021

TERMS & CONDITIONS

https://www.gp-radar.com/legal/terms-conditions?utm_source=jobsummary&utm_medium=referral

Job Summary

Job Date : 11/5/2021

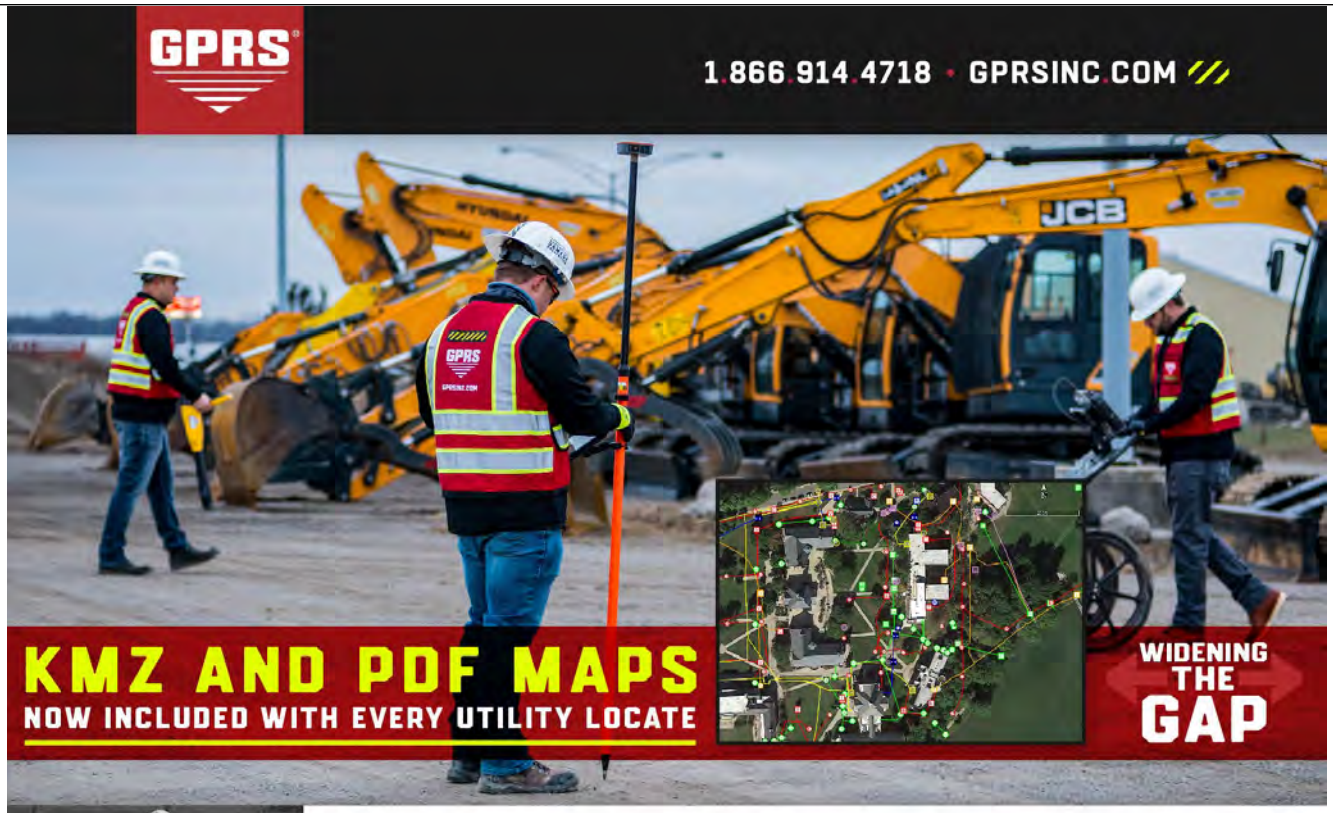
SIGNATURE

Contact Name

Katherine Nelson (585) 705-5751 Katie.nelson@stantec.com

Job Summary

Job Date : 11/5/2021



UTILITY LOCATING

To ensure the overall timely success of your project, utility detection is critical to any construction project where subsurface excavation is planned. If this critical first step is ignored, the risk for injury increases, budget overruns can multiply and your schedule can be delayed.

VIDEO PIPE INSPECTION

Video Pipe Inspection (CCTV) is a service used to inspect underground water, sewer and lateral pipelines. VPI is a great tool for investigating cross-bores, structural faults and damages, and lateral line inspection.

CONCRETE IMAGING

With new build construction and renovation projects, the likelihood of needing to cut or core concrete is high. There is an inherent risk of striking rebar, conduits, and post tension cables during the cutting or coring process. Our industry-leading concrete scanning services can mitigate the risks associated with saw cutting and core drilling concrete slabs.

MAPPING & MODELING

As-built utility maps, structural as-built drawings, and facility maps are actually meant to be “as-intended” drawings as the construction process or renovations can cause deviations to the original plan. GPRS can create a comprehensive facility map that contains precise as-built conditions – giving you peace of mind by knowing exactly what exists on your property.

APPENDIX C

Test Boring and Well Logs

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-1

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/8/21
PROJECT NUMBER:	213414077	DRILLER:	S. Loanty	DATE COMPLETED:	11/8/21
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push 6610DT
LOCATION:	675 N. Clinton Ave S of Bldg	WEATHER:	40°F Sunny	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0			0.8'	Crushed Asphalt		
2	0.0	0-4'			APPARENT RE-WORK NATIVE: Brown SAND and F A GRAVEL, tr brick fragments, damp, no odor		
3	0.0	2.5'	TB-1 BAG 2'-4'	3'			
4	0.0				APPARENT NATIVE: Brown MC SAND and M to VC SA GRAVEL, damp, no odor		
5	0.0			5'			
6	0.0	4'-8'	TB-1 BAG 5'-7'	5.5'	AA, moist		
7	0.0	2.9			→ AA		
8	0.0						
9	0.0	8-11.5'					
10	0.0						
11	0.0	3.2'	TB1 BAG 10-11.5'	11'			
	0.0				Weathered Bedrock		
12					REFUSAL 11.5' BGS		
13					↳ BR in drilling shoe		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model ~~Mini Rae~~ MR 3000 with 10.6eV lamp. - No PID E.O.I.

Multi-Rae

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-2
HAND CLEAR ONLY

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	
PROJECT NUMBER:	213414077	DRILLER:		DATE COMPLETED:	
CLIENT:	Landsman Real Estate Services	ELEVATION:		DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:		WEATHER:		SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	N/A	0-1' BAGS	0.5'	Topsoil, organics APPARENT IMPORTED FILL. VC SAND and GRAVEL, damp, little R COBBLES, no odor		
2	0.0		1'-2'				
3	0.0		2'-3'				
4	0.0		3'-3.7'				
5					END OF EXPLORATION 3.7' BGS - suspended hand clearing due to utilities likely entering building below 5' hand-clearing threshold ↳ unable to confirm location of telecom based on utilites mapping / physical evidence		
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-3

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/8/21
PROJECT NUMBER:	213414077	DRILLER:	S. Lorauty	DATE COMPLETED:	11/8/21
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	675 N. Clinton Ave East of Bldg.	WEATHER:	Sunny 55°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	0-4'		0.5'	Concrete sidewalk		
2	0.0			1.5'	Sub-base GRAVEL, dry, no odor		
3	0.0	2.7'	TB-3 BAG 2'-4'		APPARENT RE-WORK NATIVE, Brown ML SAND and SR to SA GRAVEL, tr brick fragments, tr concrete fragments dump, no odor		
4	0.0						
5	0.0	4-8'			↓		
6	0.0			6'	AA, entire bricks, tr asphalt fragments		
7	0.0	2.6'					
8	0.0						
9	0.0	8-11'		9'			
10	0.0				POSSIBLE NATIVE: Brown VC SAND and C SA to A GRAVEL, damp to dry, no odor		
11	0.0	2.3'	TB-3 BAG 10-11'				
12					REFUSAL 11.0 'BGS		
13					↳ Weathered bedrock in drill shoe		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB/MW-4

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/16/21
PROJECT NUMBER:	213414077	DRILLER:	Thom	DATE COMPLETED:	11/16/21
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	675 N. Clinton Ave	WEATHER:	40-45°F, Cloudy Windy	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0				Topsoil, organics, root mat, SAND, dry, no odor		
2	0.0			1.5'	FILL: Brown SAND and vc SA GRAVEL, poorly sorted, tr brick fragments, tr asphalt fragments, dry, no odor.		
3	0.0	2.9'			↓		
4	0.0						
5	0.0						
6	0.0						
7	0.0	3.5'					
8	0.0			7.5'	APPARENT NATIVE: Brown vc SAND and GRAVEL, alternating lenses of weathered bedrock fragments ~every 1'		
9	0.0						
10	0.0						
11	0.0	3.2'					
12	0.0			11'	AA, moist		
13	0.0	1.0'		12'	weathered bedrock, damp, no odor		
14					Auger & Macro core REFUSAL @ 12.7' BGS		
15					↳ Weathered bedrock in shoe		
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-5

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/8/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Lorenty	DATE COMPLETED:	11/8/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	–	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	676 N. Clinton Ave	WEATHER:	Sunny 60°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.1	0-4'	TB-5 2'-4' BAG	0.5'	Topsoil, root mat		
2	0.2				Brown VC to M SAND and C SA to SR GRAVEL, dry, no odor, tr brick fragments, RE-WORK NATIVE OR FILL		
3	0.0	2.9'					
4	0.1			4'	VC GRAVEL FILL, dry, no odor		
5	0.3	4-8'					
6	0.2			5.5'	Brown C SAND and SA to SR GRAVEL, some bricks, tr asphalt, no odor, damp/dry		
7	0.2	2.7'					
8	0.1		TB-5 8-9.3' BAG				
9	0.2	8-10.7'	8-9.3'				
10	0.3	2.8'		9.3'	Grey-brown F SAND, some SA GRAVEL, wet, no odor APPARENT NATIVE		
11	0.3						
12					REFUSAL 10.7 'BGS		
13					↳ Weathered Bedrock in Shoe		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-6

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Lorranty	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	676 N. Clinton Ave	WEATHER:	45-50°F cloudy	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	0'-4'		0.5'	Topsoil, organics		
2	0.0				APPARENT RE-WORK NATIVE: Brown MC SAND and F to Vc SA to A GRAVEL, dry, no odor, brick fragments		
3	0.0	3.3'					
4	0.0						
5	0.0	4'-8'	TB-6 BAG 4'-6'				
6	0.0			6'			
7	0.0	2.2'			AA, moist		
8	0.0						
9	0.0	8'-10.8'		8.5'	APPARENT NATIVE: Brown C SAND and GRAVEL, wet, no odor		
10	0.0	2.9'	TB-6 BAG 9-10.8'	10'			
11	0.0				Weathered BR		
12					REFUSAL 10.8 FT BGS		
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-7

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/8/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Loranty	DATE COMPLETED:	11/8/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	–	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	676 N. Clinton Ave	WEATHER:	Sunny 60°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	0-4'		1'	Topsoil, root zone, organics		
2	0.2				APPARENT RE-WORK NATIVE: Brown MC SAND and F to VC SA GRAVEL, tr brick fragments, tr concrete fragments, damp/dry, no odor		
3	0.3						
4	0.0	2.4					
5	0.2	4-8'					
6	0.4		TB-7 BAG				
7	3.9		6'-8'	6.5'	Wood debris, black staining, tar-like or possible creosote odor, possible railroad tie		
8	1.4	1.3		7.5'	→AA		
9	0.3	8-10.5'	TB-7 BAG 8-10.5'	9'	APPARENT NATIVE: VC SAND and GRAVEL, weathered bedrock, dry, no odor		
10	0.3	2.8					
	0.3						
11					REFUSAL 10.0' BGS		
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-8

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Loranty	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	720 N Clinton	WEATHER:	50°F Cloudy	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0			1'	Topsoil, organics		
2	0.0				Brown VC SAND FILL, some VC SA to A GRAVEL, bricks, tr concrete fragments, dry, no odor		
3	0.0	2.7'					
4	0.0						
5	0.0		TB-8 5'-8' BAG				
6	0.0						
7	0.0						
8	0.0	2.1		7.5'	APPARENT NATIVE: Brown VC SAND and F SA to A GRAVEL, damp to moist, no odor		
9	0.0		TB-8 9'-9.7' BAG	9'			
10	0.0	1.8'			weathered bedrock		
11					REFUSAL 9.7' BGS		
12					↳ weathered bedrock in drilling shoe		
13							
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB - 9

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Lozansky	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	676 N. Clinton Ave	WEATHER:	50°F Cloudy	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	3.2'	TB-9 BAG 1-4'	1'	Topsoil, organics		
2	0.0				FILL: Bricks, SAND and GRAVEL, black coloration, no odor, cinders, dry		
3	0.0						
4	0.0			4'			
5	0.0	3.4'			SAND and GRAVEL. FILL. +brick fragments, dry, no odor		
6	0.0			5.5'			
7	0.0				Light brown C SAND, dry, no odor, POSSIBLE NATIVE		
8	0.0			7'	AA, wet		
9	0.0	2.7'	TB-9 8-10' BAG	8.5'	SAND and GRAVEL, possible elevated bedrock fragments		
10	0.0						
11	0.0			11'	Weathered bedrock		
12	0.0						
13					REFUSAL 11.7 FT BGS		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-10

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Lorantz	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	720 N. Clinton Ave	WEATHER:	Sunny, 55°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0			0.5'	- topsoil, root mat		
2	0.0		TB-10 BAG		BROWN FILL SAND and F A GRAVEL, tr brick fragments, tr glass, tr cinders, dry, no odor		
3	0.0	1.7					
4	0.0						
5	0.0		↓ 4-8'				
6	0.0			5.5'			
7	0.0	1.5			AA, no fill materials (bricks, cinders, glass)		
8	0.0						
9	0.0		TB-10 BAG				
10	0.0	1.7	8-11.3'				
11	0.0			10.7'	Weathered bedrock		
12					REFUSAL 11.3' BGS		
13							
14							
15							
16							
17							
18							
19							
20							

Notes:

1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-11

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S Lorawty	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	744 N. Clinton Ave	WEATHER:	Sunny, 55°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	1.3'		1'	Topsoil, organics		
2	0.0				POSSIBLE RE-WORK NATIVE, Brown SAND and GRAVEL, dry, loose, no odor		
3	0.0						
4	0.0						
5	0.0	2.5'					
6	0.0						
7	0.0			7'			
8	0.0				Grey SAND and GRAVEL, possible NATIVE, damp, no odor		
9	0.0	2.0'	TB-11 BAG 10-11.4'				
10	0.0						
11	0.1						
	0.1						
12					REFUSAL 11.4 FT BGS		
13					↳ VC GRAVEL in drilling shoe		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-12

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Lozanty	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:	-	DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	744 N. Clinton Ave	WEATHER:	Sunny 55°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	SAMPLE STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0			0.5'	Topsoil, organics		
2	0.0		TB-12 BAG 1-3		Dark brown to black FILL: SAND and GRAVEL, brick fragments, glass fragments, tr cinders		
3	0.0	3.5'		3'			
4	0.0				APPARENT RE-WORK NATIVE SAND and GRAVEL, damp, no odor		
5	0.0		TB-12 BAG 4'-6'				
6	0.0			6'			
7	0.0	4.0'			Light brown SAND, APPARENT NATIVE, moist, tr SILT, little F SR GRAVEL, no odor		
8	0.0						
9	0.0						
10	0.0						
11	0.0	3.5'					
12	0.0						
13					Boring Concluded 12.0' BGS		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

61 Commercial Street
Rochester, NY 14614
(585) 475-1440

TEST BORING ID: TB-13

PROJECT NAME:	Los Flamboyanes	CONTRACTOR:	Nothnagle	DATE STARTED:	11/9/2021
PROJECT NUMBER:	213414077	DRILLER:	S. Loranty	DATE COMPLETED:	11/9/2021
CLIENT:	Landsman Real Estate Services	ELEVATION:		DRILLING METHOD:	Geoprobe - Direct Push
LOCATION:	744 N. 600 Clinton Ave	WEATHER:	Sunny 60°F	SUPERVISOR:	S. Rife

DEPTH FT BGS	SAMPLE PID	SAMPLE RECOV.	SAMPLE NAME	STRATA	VISUAL CLASSIFICATION REMARKS	LNAPL SHAKE	LNAPL UV
1	0.0	2.3'	TB#3 BAG 1-4'	0.5'	Topsoil, organics		
2	0.0				Dark brown FILL SAND, some C A to SA GRAVEL, dry, no odor, tr bricks, tr glass		
3	0.0						
4	0.0						
5	0.0	2.7'		5'	APPARENT RE-WORK NATIVE: Brown VC SAND and F A GRAVEL, damp, no odor		
6	0.0						
7	0.0						
8	0.0			7.5'	APPARENT NATIVE: Light brown SAND, moist, no		
9	0.0	3.7'	TB-13 JAR 11-12'				
10	0.0						
11	0.0			10.5'	Weathered bedrock chips, dry, no odor		
12	0.5						
13					Boring Concluded 12.0' BGS		
14							
15							
16							
17							
18							
19							
20							

Notes:
1. PID Model Mini-Rae 3000 with 10.6eV lamp.

Stantec

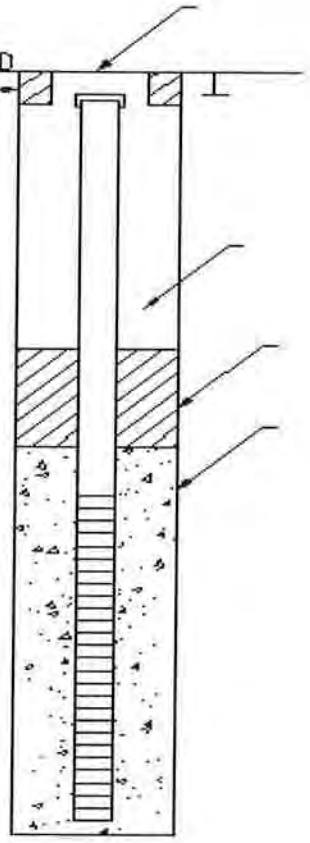
BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME: Los Flamboyanes
PROJECT NUMBER: 213414077
CLIENT: Landsman Real Estate Services
LOCATION: 676 N. Clinton Ave, Rochester, New York

HOLE DESIGNATION: TB/MW - 5
DATE COMPLETED: 11/11/2021
DRILLING METHOD: NX Barrel - Air Rotary
SUPERVISOR: S. Rife

NOTE: ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)



SURFACE SEAL TYPE: Grout

RISER RECESS: 0.24'

ANNULUS BACKFILL

TYPE: Grout

SEAL TYPE: Bentonite

PACK TYPE: SAND, SIZE: Silica Sand

TOP OF SEAL @ 6.0 ft

BOTTOM OF SEAL @ 8.0 ft

TOP OF SCREEN @ 8.0 ft

DEPTH TO BEDROCK 12.9 ft

BOTTOM OF SCREEN @ 23.0 ft → 11/12/21 21.59'

BOTTOM OF HOLE @ 23.0 ft

SCREEN TYPE: Continuous Slot

SCREEN MATERIAL: PVC

SCREEN LENGTH: 15.0'

SCREEN DIAMETER: 2 in

SCREEN SLOT SIZE: 10-Slot

WELL CASING MATERIAL: PVC

WELL CASING DIAMETER: 2 in

OVERBURDEN HOLE DIAMETER: ~~6 in~~ ~8 in

OPEN ROCK DIAMETER: ~4 in

* Approx 5-gal/v introduced to borehole for dust suppression of water

Stantec

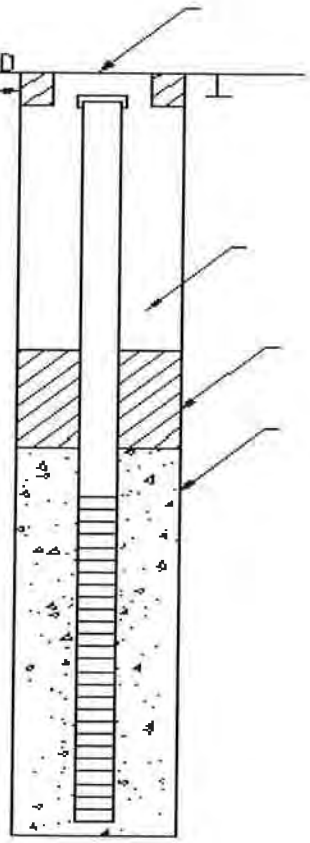
BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME: Los Flamboyanes
PROJECT NUMBER: 213414077
CLIENT: Landsman Real Estate Services
LOCATION: 675 N. Clinton Ave, Rochester, New York

HOLE DESIGNATION: TB/MW-4
DATE COMPLETED: 11/16/2021
DRILLING METHOD: NX Barrel - Air Rotary
SUPERVISOR: S. Rife

NOTE: ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)



SURFACE SEAL TYPE: Grout

RISER RECESS: 0.22

ANNULUS BACKFILL

TYPE: Grout

SEAL TYPE: Bentonite

PACK TYPE: SAND, SIZE: Silica Sand

TOP OF SEAL @ 5.0 ft

BOTTOM OF SEAL @ 7.0 ft

TOP OF SCREEN @ 7.0 ft

DEPTH TO BEDROCK 12.6 ft

BOTTOM OF SCREEN @ 21.33 ft → 11/29/21

BOTTOM OF HOLE @ 22.0 ft

SCREEN TYPE: Continuous Slot

SCREEN MATERIAL: PVC

SCREEN LENGTH: 15.0 ft

SCREEN DIAMETER: 2 in

SCREEN SLOT SIZE: 10-Slot

WELL CASING MATERIAL: PVC

WELL CASING DIAMETER: 2 in

OVERBURDEN HOLE DIAMETER: ~~6in~~ 8 in SR

OPEN ROCK DIAMETER: ~4in

- Hole reamed w/ roller bit to approx 4 inch diameter
- Approx 5 gal lost downhole to saturate Bentonite

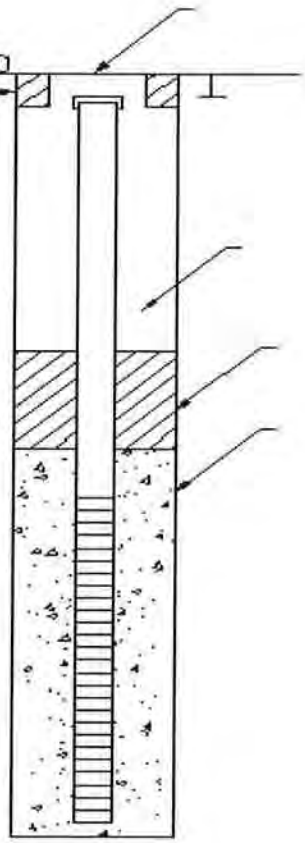
Stantec

BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME:	Los Flamboyanes	HOLE DESIGNATION:	TB/MW - 8
PROJECT NUMBER:	213414077	DATE COMPLETED:	11/10/2021
CLIENT:	Landsman Real Estate Services	DRILLING METHOD:	NX Barrel - Air Rotary
LOCATION:	720 N. Clinton Ave Rochester, New York	SUPERVISOR:	S. Rife

NOTE: ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)



SURFACE SEAL TYPE: Grout

RISER RECESS: 0.25'

ANNULUS BACKFILL

TYPE: Grout

SEAL TYPE: Bentonite

PACK TYPE: SAND, SIZE: Silica SAND

TOP OF SEAL @ 4.0 ft

BOTTOM OF SEAL @ 6.0 ft

TOP OF SCREEN @ 6.0 ft

DEPTH TO BEDROCK 10.0 ft

AUGER FURTHER TO COMPETENT BEDROCK 11.4 ft

BOTTOM OF SCREEN @ 21.0 ft → 11/12/21 20.55'

BOTTOM OF HOLE @ 21.0 ft

SCREEN TYPE:	Continuous Slot			SCREEN MATERIAL:	PVC
SCREEN LENGTH:	15.0'	SCREEN DIAMETER:	2 in	SCREEN SLOT SIZE:	10-Slot
WELL CASING MATERIAL:	PVC			WELL CASING DIAMETER:	2 in
OVERBURDEN HOLE DIAMETER:	~~6in~~ ~8in DK			OPEN ROCK DIAMETER:	~4in

* Approximately 5-gallons of water introduced to borehole for dust suppression

Stantec

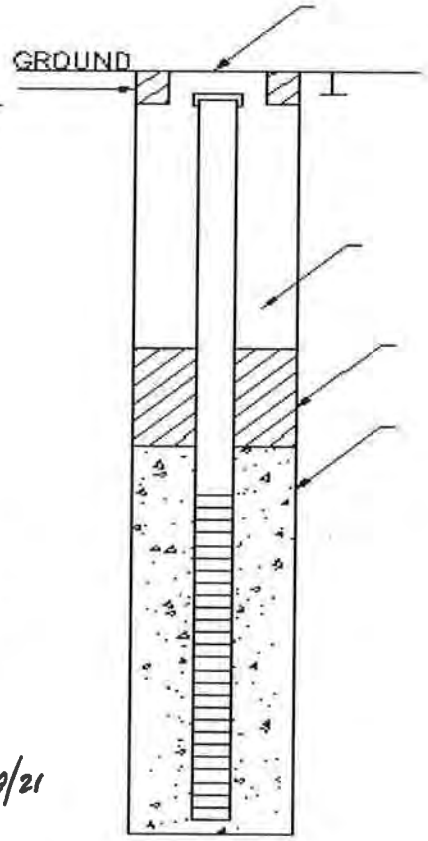
BEDROCK INTERFACE MONITORING WELL

DESIGN DETAILS

PROJECT NAME: Los Flamboyanes
PROJECT NUMBER: 213414077
CLIENT: Landsman Real Estate Services
LOCATION: 744 N. Clinton Ave, Rochester, New York

HOLE DESIGNATION: TB/MW-14
DATE COMPLETED: 11/17/2021
DRILLING METHOD: NX Barrel - Air Rotary
SUPERVISOR: S. Rife

NOTE: ALL DIMENSIONS ARE BELOW GROUND SURFACE (BGS)



SURFACE SEAL TYPE: Grout

RISER RECESS: 0.20

ANNULUS BACKFILL

TYPE: Grout

SEAL TYPE: Bentonite

PACK TYPE: SAND, SIZE: Silica Sand

TOP OF SEAL @ 5.0 ft

BOTTOM OF SEAL @ 7.0 ft

TOP OF SCREEN @ 7.0 ft

DEPTH TO BEDROCK ~~12.6~~ ft SR
12.1

BOTTOM OF SCREEN @ ~~21.33~~ ft SR → 11/29/21
21.44

BOTTOM OF HOLE @ 22.0 ft

SCREEN TYPE: Continuous Slot

SCREEN MATERIAL: PVC

SCREEN LENGTH: 15.0ft

SCREEN DIAMETER: 2 in

SCREEN SLOT SIZE: 10-Slot

WELL CASING MATERIAL: PVC

WELL CASING DIAMETER: 2 in

OVERBURDEN HOLE DIAMETER: ~~~6 in~~ 8 in SR

OPEN ROCK DIAMETER: ~4 in

- Approx 3.5 gal lost downhole to saturate Bentonite
- Hole reamed w/ roller bit to approx 4 in diameter

APPENDIX D

Analytical Laboratory Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-192295-1
Client Project/Site: Los Flamboyanes Phase II ESA

For:
Stantec Consulting Corp.
61 Commercial Street
Rochester, New York 14614

Attn: Mrs. Katherine Nelson

Authorized for release by:
11/29/2021 4:05:22 PM

Ryan VanDette, Project Manager II
(716)504-9830
Ryan.VanDette@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
^+	Continuing Calibration Verification (CCV) is outside acceptance limits, high biased.

Glossary

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

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Job ID: 480-192295-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-192295-1

Comments
No additional comments.

Receipt
The samples were received on 11/11/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-604890 recovered outside acceptance criteria, low biased, for 1,1-Dichloroethene, 1,2,4-Trichlorobenzene, Carbon disulfide and Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported. The associated samples are: TB-1 5-7' (480-192295-1), TB-6 4-6' (480-192295-2), TB-10 8-11.3' (480-192295-5), TB-11 10-11.4' (480-192295-6) and TB-12 1-3' (480-192295-7).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-605079 recovered above the upper control limit for 2-Hexanone and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TB-9 1-4' (480-192295-4).

Method 8260C: The following sample was analyzed using medium level soil analysis and diluted to bring the concentration of target analytes within the calibration range: TB-7 6-8' (480-192295-3). Elevated reporting limits (RLs) are provided.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-605141 recovered above the upper control limit for Carbon tetrachloride and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TB-7 6-8' (480-192295-3).

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-605158 recovered above the upper control limit for Benzo[k]fluoranthene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TB-1 5-7' (480-192295-1), TB-6 4-6' (480-192295-2), TB-9 1-4' (480-192295-4), TB-10 8-11.3' (480-192295-5), TB-11 10-11.4' (480-192295-6) and TB-12 1-3' (480-192295-7).

Method 8270D: The following samples were diluted due to color, appearance, and viscosity: TB-9 1-4' (480-192295-4), TB-10 8-11.3' (480-192295-5) and TB-12 1-3' (480-192295-7). Elevated reporting limits (RL) are provided.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (480-192295-A-2-B MSD). These results have been reported and qualified.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-605534 recovered above the upper control limit for Atrazine. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TB-7 6-8' (480-192295-3).

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: TB-7 6-8' (480-192295-3). Elevated reporting limits (RL) are provided.

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

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

Job ID: 480-192295-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Metals

Method 6010C: The low level continuing calibration verification (CCVL 480-605423/29) recovered above the upper control limit for Total Zinc. The samples associated with this CCVL were either ND less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TB-7 6-8' (480-192295-3), TB-9 1-4' (480-192295-4), TB-12 1-3' (480-192295-7), (LCSSRM 480-604965/2-A) and (MB 480-604965/1-A) was not performed.

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

Organic Prep

Method 3550C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 8270TB-9 1-4' (480-192295-4). The reporting limits (RLs) have been adjusted proportionately.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-1 5-7' — Lab Sample ID: 480-192295-1

No Detections.

Client Sample ID: TB-6 4-6' — Lab Sample ID: 480-192295-2

No Detections.

Client Sample ID: TB-7 6-8' — Lab Sample ID: 480-192295-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	15000		460		ug/Kg	4	☼	8260C	Total/NA
2-Methylnaphthalene	1900		920		ug/Kg	5	☼	8270D	Total/NA
Acenaphthene	5400		920		ug/Kg	5	☼	8270D	Total/NA
Acenaphthylene	1700		920		ug/Kg	5	☼	8270D	Total/NA
Anthracene	5500		920		ug/Kg	5	☼	8270D	Total/NA
Benzo(a)anthracene	11000		920		ug/Kg	5	☼	8270D	Total/NA
Benzo(a)pyrene	6300		920		ug/Kg	5	☼	8270D	Total/NA
Benzo(b)fluoranthene	9600		920		ug/Kg	5	☼	8270D	Total/NA
Benzo(g,h,i) perylene	2800		920		ug/Kg	5	☼	8270D	Total/NA
Benzo(k)fluoranthene	4800		920		ug/Kg	5	☼	8270D	Total/NA
Chrysene	9900		920		ug/Kg	5	☼	8270D	Total/NA
Dibenz(a,h)anthracene	1100		920		ug/Kg	5	☼	8270D	Total/NA
Dibenzofuran	3800		920		ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	23000		920		ug/Kg	5	☼	8270D	Total/NA
Fluorene	6200		920		ug/Kg	5	☼	8270D	Total/NA
Indeno(1,2,3-cd)pyrene	2900		920		ug/Kg	5	☼	8270D	Total/NA
Naphthalene	3100		920		ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	23000		920		ug/Kg	5	☼	8270D	Total/NA
Pyrene	18000		920		ug/Kg	5	☼	8270D	Total/NA
Aluminum	5730		11.6		mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.0		2.3		mg/Kg	1	☼	6010C	Total/NA
Barium	33.4		0.58		mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.30		0.23		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.23		0.23		mg/Kg	1	☼	6010C	Total/NA
Calcium	80700		58.0		mg/Kg	1	☼	6010C	Total/NA
Chromium	7.9		0.58		mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.3		0.58		mg/Kg	1	☼	6010C	Total/NA
Copper	18.5		1.2		mg/Kg	1	☼	6010C	Total/NA
Iron	10200		11.6		mg/Kg	1	☼	6010C	Total/NA
Lead	41.6		1.2		mg/Kg	1	☼	6010C	Total/NA
Magnesium	38500		23.2		mg/Kg	1	☼	6010C	Total/NA
Manganese	543		0.23		mg/Kg	1	☼	6010C	Total/NA
Nickel	8.4		5.8		mg/Kg	1	☼	6010C	Total/NA
Potassium	1950		34.8		mg/Kg	1	☼	6010C	Total/NA
Sodium	162		162		mg/Kg	1	☼	6010C	Total/NA
Vanadium	13.7		0.58		mg/Kg	1	☼	6010C	Total/NA
Zinc	54.5	^+	2.3		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.31		0.023		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TB-9 1-4' — Lab Sample ID: 480-192295-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	8690		12.0		mg/Kg	1	☼	6010C	Total/NA
Arsenic	11.6		2.4		mg/Kg	1	☼	6010C	Total/NA
Barium	130		0.60		mg/Kg	1	☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample ID: TB-9 1-4' (Continued)

Lab Sample ID: 480-192295-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.59		0.24		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.50		0.24		mg/Kg	1	☼	6010C	Total/NA
Calcium	25000		59.8		mg/Kg	1	☼	6010C	Total/NA
Chromium	24.2		0.60		mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.3		0.60		mg/Kg	1	☼	6010C	Total/NA
Copper	83.0		1.2		mg/Kg	1	☼	6010C	Total/NA
Iron	33900		12.0		mg/Kg	1	☼	6010C	Total/NA
Lead	517		1.2		mg/Kg	1	☼	6010C	Total/NA
Magnesium	9290		23.9		mg/Kg	1	☼	6010C	Total/NA
Manganese	279		0.24		mg/Kg	1	☼	6010C	Total/NA
Nickel	31.6		6.0		mg/Kg	1	☼	6010C	Total/NA
Potassium	1370		35.9		mg/Kg	1	☼	6010C	Total/NA
Sodium	558		168		mg/Kg	1	☼	6010C	Total/NA
Vanadium	27.6		0.60		mg/Kg	1	☼	6010C	Total/NA
Zinc	169	^+	2.4		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.31		0.024		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TB-10 8-11.3'

Lab Sample ID: 480-192295-5

No Detections.

Client Sample ID: TB-11 10-11.4'

Lab Sample ID: 480-192295-6

No Detections.

Client Sample ID: TB-12 1-3'

Lab Sample ID: 480-192295-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	970		940		ug/Kg	5	☼	8270D	Total/NA
Benzo(a)pyrene	1000		940		ug/Kg	5	☼	8270D	Total/NA
Benzo(b)fluoranthene	1400		940		ug/Kg	5	☼	8270D	Total/NA
Chrysene	1000		940		ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	2000		940		ug/Kg	5	☼	8270D	Total/NA
Pyrene	1600		940		ug/Kg	5	☼	8270D	Total/NA
Aluminum	7430		10.7		mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.1		2.1		mg/Kg	1	☼	6010C	Total/NA
Barium	81.3		0.54		mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.42		0.21		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.1		0.21		mg/Kg	1	☼	6010C	Total/NA
Calcium	30200		53.5		mg/Kg	1	☼	6010C	Total/NA
Chromium	11.2		0.54		mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.8		0.54		mg/Kg	1	☼	6010C	Total/NA
Copper	42.5		1.1		mg/Kg	1	☼	6010C	Total/NA
Iron	13000		10.7		mg/Kg	1	☼	6010C	Total/NA
Lead	244		1.1		mg/Kg	1	☼	6010C	Total/NA
Magnesium	8630		21.4		mg/Kg	1	☼	6010C	Total/NA
Manganese	288		0.21		mg/Kg	1	☼	6010C	Total/NA
Nickel	12.5		5.4		mg/Kg	1	☼	6010C	Total/NA
Potassium	1700		32.1		mg/Kg	1	☼	6010C	Total/NA
Sodium	168		150		mg/Kg	1	☼	6010C	Total/NA
Vanadium	16.8		0.54		mg/Kg	1	☼	6010C	Total/NA
Zinc	124	^+	2.1		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.36		0.023		mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-1 5-7'
Date Collected: 11/08/21 09:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-1
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,1,2-Trichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,1-Dichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,1-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2,4-Trichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2,4-Trimethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2-Dibromoethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2-Dichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,2-Dichloropropane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,3,5-Trimethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,3-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
1,4-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
2-Butanone (MEK)	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
2-Hexanone	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
4-Isopropyltoluene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Acetone	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Benzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Bromodichloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Bromoform	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Bromomethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Carbon disulfide	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Carbon tetrachloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Chlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Chloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Chloroform	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Chloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
cis-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
cis-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Cyclohexane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Dibromochloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Dichlorodifluoromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Ethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Isopropylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
m,p-Xylene	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Methyl acetate	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Methyl tert-butyl ether	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Methylcyclohexane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Methylene Chloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Naphthalene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
n-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
N-Propylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
o-Xylene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
sec-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Styrene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1

Client Sample ID: TB-1 5-7'
Date Collected: 11/08/21 09:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-1
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Tetrachloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Toluene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
trans-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
trans-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Trichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Trichlorofluoromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Vinyl chloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 10:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 126*	*11/14/21 17:08*	*11/15/21 10:41*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*11/14/21 17:08*	*11/15/21 10:41*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/14/21 17:08*	*11/15/21 10:41*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*11/14/21 17:08*	*11/15/21 10:41*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
bis (2-chloroisopropyl) ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4,5-Trichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4,6-Trichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4-Dichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4-Dimethylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4-Dinitrophenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,4-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2,6-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Chloronaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Chlorophenol	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Methylnaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Nitroaniline	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
2-Nitrophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
3,3'-Dichlorobenzidine	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
3-Nitroaniline	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4,6-Dinitro-2-methylphenol	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Bromophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Chloro-3-methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Chloroaniline	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Chlorophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Methylphenol	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Nitroaniline	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
4-Nitrophenol	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Acenaphthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Acenaphthylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Acetophenone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Atrazine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Benzaldehyde	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Benzo(a)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-1 5-7'
Date Collected: 11/08/21 09:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-1
Matrix: Solid
Percent Solids: 84.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Benzo(b)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Benzo(g,h,i) perylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Benzo(k)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Bis(2-chloroethoxy)methane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Bis(2-chloroethyl)ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Bis(2-ethylhexyl) phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Butyl benzyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Caprolactam	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Carbazole	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Chrysene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Di-n-butyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Di-n-octyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Dibenzofuran	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Diethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Dimethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Fluorene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Hexachlorobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Hexachlorobutadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Hexachlorocyclopentadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Hexachloroethane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Indeno(1,2,3-cd)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Isophorone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
N-Nitrosodi-n-propylamine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
N-Nitrosodiphenylamine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Naphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Nitrobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Pentachlorophenol	ND		380		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Phenanthrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Phenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1
Pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*92*		*54 - 120*	*11/15/21 14:39*	*11/16/21 14:48*	*1*
2-Fluorobiphenyl	*92*		*60 - 120*	*11/15/21 14:39*	*11/16/21 14:48*	*1*
2-Fluorophenol	*86*		*52 - 120*	*11/15/21 14:39*	*11/16/21 14:48*	*1*
Nitrobenzene-d5	*86*		*53 - 120*	*11/15/21 14:39*	*11/16/21 14:48*	*1*
p-Terphenyl-d14	*105*		*79 - 130*	*11/15/21 14:39*	*11/16/21 14:48*	*1*
Phenol-d5	*85*		*54 - 120*	*11/15/21 14:39*	*11/16/21 14:48*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-6 4-6'
Date Collected: 11/09/21 08:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-2
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2,4-Trimethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,3,5-Trimethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
2-Butanone (MEK)	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
4-Isopropyltoluene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Acetone	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Benzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Bromoform	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Chloroform	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
cis-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Cyclohexane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
m,p-Xylene	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Naphthalene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
n-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
N-Propylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
o-Xylene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
sec-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Styrene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1

Client Sample ID: TB-6 4-6'
Date Collected: 11/09/21 08:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-2
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Tetrachloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Toluene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Trichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 126*	*11/14/21 17:08*	*11/15/21 11:06*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*11/14/21 17:08*	*11/15/21 11:06*	*1*
Dibromofluoromethane (Surr)	*109*		*60 - 140*	*11/14/21 17:08*	*11/15/21 11:06*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/14/21 17:08*	*11/15/21 11:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
bis (2-chloroisopropyl) ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4,5-Trichlorophenol	ND	F1	190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4,6-Trichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4-Dichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4-Dimethylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4-Dinitrophenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,4-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2,6-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Chloronaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Chlorophenol	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Methylnaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Nitroaniline	ND	F1	370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
2-Nitrophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
3,3'-Dichlorobenzidine	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
3-Nitroaniline	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4,6-Dinitro-2-methylphenol	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Bromophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Chloro-3-methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Chloroaniline	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Chlorophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Methylphenol	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Nitroaniline	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
4-Nitrophenol	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Acenaphthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Acenaphthylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Acetophenone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Atrazine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Benzaldehyde	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Benzo(a)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-6 4-6'
Date Collected: 11/09/21 08:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-2
Matrix: Solid
Percent Solids: 87.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Benzo(b)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Benzo(g,h,i) perylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Benzo(k)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Bis(2-chloroethoxy)methane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Bis(2-chloroethyl)ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Bis(2-ethylhexyl) phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Butyl benzyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Caprolactam	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Carbazole	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Chrysene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Di-n-butyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Di-n-octyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Dibenzofuran	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Diethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Dimethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Fluoranthene	ND	F1	190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Fluorene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Hexachlorobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Hexachlorobutadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Hexachlorocyclopentadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Hexachloroethane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Indeno(1,2,3-cd)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Isophorone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
N-Nitrosodi-n-propylamine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
N-Nitrosodiphenylamine	ND	F2	190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Naphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Nitrobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Pentachlorophenol	ND		370		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Phenanthrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Phenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1
Pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*54 - 120*	*11/15/21 14:39*	*11/16/21 12:47*	*1*
2-Fluorobiphenyl	*100*		*60 - 120*	*11/15/21 14:39*	*11/16/21 12:47*	*1*
2-Fluorophenol	*94*		*52 - 120*	*11/15/21 14:39*	*11/16/21 12:47*	*1*
Nitrobenzene-d5	*79*		*53 - 120*	*11/15/21 14:39*	*11/16/21 12:47*	*1*
p-Terphenyl-d14	*106*		*79 - 130*	*11/15/21 14:39*	*11/16/21 12:47*	*1*
Phenol-d5	*97*		*54 - 120*	*11/15/21 14:39*	*11/16/21 12:47*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-7 6-8'
Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,1,2,2-Tetrachloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,1,2-Trichloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,1-Dichloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,1-Dichloroethene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2,4-Trichlorobenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2,4-Trimethylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2-Dibromo-3-Chloropropane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2-Dibromoethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2-Dichlorobenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2-Dichloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,2-Dichloropropane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,3,5-Trimethylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,3-Dichlorobenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
1,4-Dichlorobenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
2-Butanone (MEK)	ND		2300		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
2-Hexanone	ND		2300		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
4-Isopropyltoluene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
4-Methyl-2-pentanone (MIBK)	ND		2300		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Acetone	ND		2300		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Benzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Bromodichloromethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Bromoform	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Bromomethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Carbon disulfide	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Carbon tetrachloride	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Chlorobenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Chloroethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Chloroform	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Chloromethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
cis-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
cis-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Cyclohexane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Dibromochloromethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Dichlorodifluoromethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Ethylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Isopropylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
m,p-Xylene	ND		910		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Methyl acetate	ND		2300		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Methyl tert-butyl ether	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Methylcyclohexane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Methylene Chloride	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Naphthalene	**15000**		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
n-Butylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
N-Propylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
o-Xylene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
sec-Butylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Styrene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4

Client Sample ID: TB-7 6-8'
Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Tetrachloroethene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Toluene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
trans-1,2-Dichloroethene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
trans-1,3-Dichloropropene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Trichloroethene	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Trichlorofluoromethane	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Vinyl chloride	ND		460		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4
Xylenes, Total	ND		910		ug/Kg	☼	11/15/21 20:50	11/16/21 16:54	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*53 - 146*	*11/15/21 20:50*	*11/16/21 16:54*	*4*
4-Bromofluorobenzene (Surr)	*117*		*49 - 148*	*11/15/21 20:50*	*11/16/21 16:54*	*4*
Dibromofluoromethane (Surr)	*104*		*60 - 140*	*11/15/21 20:50*	*11/16/21 16:54*	*4*
Toluene-d8 (Surr)	*106*		*50 - 149*	*11/15/21 20:50*	*11/16/21 16:54*	*4*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
bis (2-chloroisopropyl) ether	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4,5-Trichlorophenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4,6-Trichlorophenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4-Dichlorophenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4-Dimethylphenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4-Dinitrophenol	ND		9000		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,4-Dinitrotoluene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2,6-Dinitrotoluene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Chloronaphthalene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Chlorophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Methylnaphthalene	**1900**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Methylphenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
2-Nitrophenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
3-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4,6-Dinitro-2-methylphenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Bromophenyl phenyl ether	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Chloro-3-methylphenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Chloroaniline	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Chlorophenyl phenyl ether	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Methylphenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
4-Nitrophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Acenaphthene	**5400**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Acenaphthylene	**1700**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Acetophenone	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Anthracene	**5500**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Atrazine	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Benzaldehyde	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Benzo(a)anthracene	**11000**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5

Client Sample ID: TB-7 6-8'
Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3
Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	**6300**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Benzo(b)fluoranthene	**9600**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Benzo(g,h,i) perylene	**2800**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Benzo(k)fluoranthene	**4800**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Bis(2-chloroethoxy)methane	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Bis(2-chloroethyl)ether	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Bis(2-ethylhexyl) phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Butyl benzyl phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Caprolactam	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Carbazole	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Chrysene	**9900**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Di-n-butyl phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Di-n-octyl phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Dibenz(a,h)anthracene	**1100**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Dibenzofuran	**3800**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Diethyl phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Dimethyl phthalate	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Fluoranthene	**23000**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Fluorene	**6200**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Hexachlorobenzene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Hexachlorobutadiene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Hexachlorocyclopentadiene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Hexachloroethane	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Indeno(1,2,3-cd)pyrene	**2900**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Isophorone	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
N-Nitrosodi-n-propylamine	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
N-Nitrosodiphenylamine	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Naphthalene	**3100**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Nitrobenzene	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Pentachlorophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Phenanthrene	**23000**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Phenol	ND		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5
Pyrene	**18000**		920		ug/Kg	☼	11/15/21 14:39	11/18/21 16:51	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*54 - 120*	*11/15/21 14:39*	*11/18/21 16:51*	*5*
2-Fluorobiphenyl	*90*		*60 - 120*	*11/15/21 14:39*	*11/18/21 16:51*	*5*
2-Fluorophenol	*77*		*52 - 120*	*11/15/21 14:39*	*11/18/21 16:51*	*5*
Nitrobenzene-d5	*92*		*53 - 120*	*11/15/21 14:39*	*11/18/21 16:51*	*5*
p-Terphenyl-d14	*106*		*79 - 130*	*11/15/21 14:39*	*11/18/21 16:51*	*5*
Phenol-d5	*81*		*54 - 120*	*11/15/21 14:39*	*11/18/21 16:51*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1
PCB-1221	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1
PCB-1232	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1
PCB-1242	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1
PCB-1248	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1
PCB-1254	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1

Client Sample ID: TB-7 6-8'

Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3

Matrix: Solid
Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:11*	*1*
Tetrachloro-m-xylene	*106*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:11*	*1*
DCB Decachlorobiphenyl	*94*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:11*	*1*
DCB Decachlorobiphenyl	*111*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:11*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5730**		11.6		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Antimony	ND		17.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Arsenic	**4.0**		2.3		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Barium	**33.4**		0.58		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Beryllium	**0.30**		0.23		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Cadmium	**0.23**		0.23		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Calcium	**80700**		58.0		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Chromium	**7.9**		0.58		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Cobalt	**4.3**		0.58		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Copper	**18.5**		1.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Iron	**10200**		11.6		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Lead	**41.6**		1.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Magnesium	**38500**		23.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Manganese	**543**		0.23		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Nickel	**8.4**		5.8		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Potassium	**1950**		34.8		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Selenium	ND		4.6		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Silver	ND		0.70		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Sodium	**162**		162		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Thallium	ND		7.0		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Vanadium	**13.7**		0.58		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1
Zinc	**54.5**	**^+**	2.3		mg/Kg	☼	11/15/21 17:53	11/16/21 22:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.023		mg/Kg	☼	11/16/21 11:30	11/16/21 13:57	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-9 1-4'
Date Collected: 11/09/21 09:50
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,1,2,2-Tetrachloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,1,2-Trichloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,1-Dichloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,1-Dichloroethene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2,4-Trichlorobenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2,4-Trimethylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2-Dibromo-3-Chloropropane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2-Dibromoethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2-Dichlorobenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2-Dichloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,2-Dichloropropane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,3,5-Trimethylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,3-Dichlorobenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
1,4-Dichlorobenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
2-Butanone (MEK)	ND		29		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
2-Hexanone	ND		29		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
4-Isopropyltoluene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
4-Methyl-2-pentanone (MIBK)	ND		29		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Acetone	ND		29		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Benzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Bromodichloromethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Bromoform	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Bromomethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Carbon disulfide	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Carbon tetrachloride	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Chlorobenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Chloroethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Chloroform	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Chloromethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
cis-1,2-Dichloroethene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
cis-1,3-Dichloropropene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Cyclohexane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Dibromochloromethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Dichlorodifluoromethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Ethylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Isopropylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
m,p-Xylene	ND		11		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Methyl acetate	ND		29		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Methyl tert-butyl ether	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Methylcyclohexane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Methylene Chloride	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Naphthalene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
n-Butylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
N-Propylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
o-Xylene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
sec-Butylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Styrene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1

Client Sample ID: TB-9 1-4'
Date Collected: 11/09/21 09:50
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Tetrachloroethene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Toluene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
trans-1,2-Dichloroethene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
trans-1,3-Dichloropropene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Trichloroethene	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Trichlorofluoromethane	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Vinyl chloride	ND		5.7		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1
Xylenes, Total	ND		11		ug/Kg	☼	11/15/21 19:36	11/16/21 10:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 126*	*11/15/21 19:36*	*11/16/21 10:18*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*11/15/21 19:36*	*11/16/21 10:18*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*	*11/15/21 19:36*	*11/16/21 10:18*	*1*
Toluene-d8 (Surr)	*103*		*71 - 125*	*11/15/21 19:36*	*11/16/21 10:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
bis (2-chloroisopropyl) ether	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4,5-Trichlorophenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4,6-Trichlorophenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4-Dichlorophenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4-Dimethylphenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4-Dinitrophenol	ND		58000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,4-Dinitrotoluene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2,6-Dinitrotoluene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Chloronaphthalene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Chlorophenol	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Methylnaphthalene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Methylphenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Nitroaniline	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
2-Nitrophenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
3,3'-Dichlorobenzidine	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
3-Nitroaniline	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4,6-Dinitro-2-methylphenol	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Bromophenyl phenyl ether	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Chloro-3-methylphenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Chloroaniline	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Chlorophenyl phenyl ether	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Methylphenol	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Nitroaniline	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
4-Nitrophenol	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Acenaphthene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Acenaphthylene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Acetophenone	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Anthracene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Atrazine	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Benzaldehyde	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Benzo(a)anthracene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10

Client Sample ID: TB-9 1-4'
Date Collected: 11/09/21 09:50
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Benzo(b)fluoranthene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Benzo(g,h,i) perylene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Benzo(k)fluoranthene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Bis(2-chloroethoxy)methane	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Bis(2-chloroethyl)ether	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Bis(2-ethylhexyl) phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Butyl benzyl phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Caprolactam	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Carbazole	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Chrysene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Di-n-butyl phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Di-n-octyl phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Dibenz(a,h)anthracene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Dibenzofuran	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Diethyl phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Dimethyl phthalate	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Fluoranthene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Fluorene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Hexachlorobenzene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Hexachlorobutadiene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Hexachlorocyclopentadiene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Hexachloroethane	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Indeno(1,2,3-cd)pyrene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Isophorone	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
N-Nitrosodi-n-propylamine	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
N-Nitrosodiphenylamine	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Naphthalene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Nitrobenzene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Pentachlorophenol	ND		11000		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Phenanthrene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Phenol	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10
Pyrene	ND		5900		ug/Kg	☼	11/15/21 14:39	11/16/21 15:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*54 - 120*	*11/15/21 14:39*	*11/16/21 15:36*	*10*
2-Fluorobiphenyl	*103*		*60 - 120*	*11/15/21 14:39*	*11/16/21 15:36*	*10*
2-Fluorophenol	*78*		*52 - 120*	*11/15/21 14:39*	*11/16/21 15:36*	*10*
Nitrobenzene-d5	*84*		*53 - 120*	*11/15/21 14:39*	*11/16/21 15:36*	*10*
p-Terphenyl-d14	*105*		*79 - 130*	*11/15/21 14:39*	*11/16/21 15:36*	*10*
Phenol-d5	*93*		*54 - 120*	*11/15/21 14:39*	*11/16/21 15:36*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1
PCB-1221	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1
PCB-1232	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1
PCB-1242	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1
PCB-1248	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1
PCB-1254	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-9 1-4'
Date Collected: 11/09/21 09:50
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-4
Matrix: Solid
Percent Solids: 84.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:23*	*1*
Tetrachloro-m-xylene	*91*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:23*	*1*
DCB Decachlorobiphenyl	*87*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:23*	*1*
DCB Decachlorobiphenyl	*97*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:23*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8690**		12.0		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Antimony	ND		17.9		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Arsenic	**11.6**		2.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Barium	**130**		0.60		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Beryllium	**0.59**		0.24		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Cadmium	**0.50**		0.24		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Calcium	**25000**		59.8		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Chromium	**24.2**		0.60		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Cobalt	**6.3**		0.60		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Copper	**83.0**		1.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Iron	**33900**		12.0		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Lead	**517**		1.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Magnesium	**9290**		23.9		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Manganese	**279**		0.24		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Nickel	**31.6**		6.0		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Potassium	**1370**		35.9		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Selenium	ND		4.8		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Silver	ND		0.72		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Sodium	**558**		168		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Thallium	ND		7.2		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Vanadium	**27.6**		0.60		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1
Zinc	**169**	**^+**	2.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.31**		0.024		mg/Kg	☼	11/16/21 11:30	11/16/21 13:58	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-10 8-11.3'
Date Collected: 11/09/21 10:15
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-5
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,1,2,2-Tetrachloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,1,2-Trichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,1-Dichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,1-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2,4-Trichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2,4-Trimethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2-Dibromoethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2-Dichloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,2-Dichloropropane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,3,5-Trimethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,3-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
1,4-Dichlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
2-Butanone (MEK)	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
2-Hexanone	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
4-Isopropyltoluene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
4-Methyl-2-pentanone (MIBK)	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Acetone	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Benzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Bromodichloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Bromoform	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Bromomethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Carbon disulfide	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Carbon tetrachloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Chlorobenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Chloroethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Chloroform	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Chloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
cis-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
cis-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Cyclohexane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Dibromochloromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Dichlorodifluoromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Ethylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Isopropylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
m,p-Xylene	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Methyl acetate	ND	vs	29		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Methyl tert-butyl ether	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Methylcyclohexane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Methylene Chloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Naphthalene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
n-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
N-Propylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
o-Xylene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
sec-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Styrene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1

Client Sample ID: TB-10 8-11.3'
Date Collected: 11/09/21 10:15
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-5
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Tetrachloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Toluene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
trans-1,2-Dichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
trans-1,3-Dichloropropene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Trichloroethene	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Trichlorofluoromethane	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Vinyl chloride	ND	vs	5.7		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*	*11/14/21 17:08*	*11/15/21 12:19*	*1*
4-Bromofluorobenzene (Surr)	*94*		*72 - 126*	*11/14/21 17:08*	*11/15/21 12:19*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*11/14/21 17:08*	*11/15/21 12:19*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/14/21 17:08*	*11/15/21 12:19*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
bis (2-chloroisopropyl) ether	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4,5-Trichlorophenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4,6-Trichlorophenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4-Dichlorophenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4-Dimethylphenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4-Dinitrophenol	ND		9500		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,4-Dinitrotoluene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2,6-Dinitrotoluene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Chloronaphthalene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Chlorophenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Methylnaphthalene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Methylphenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Nitroaniline	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
2-Nitrophenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
3,3'-Dichlorobenzidine	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
3-Nitroaniline	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4,6-Dinitro-2-methylphenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Bromophenyl phenyl ether	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Chloro-3-methylphenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Chloroaniline	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Chlorophenyl phenyl ether	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Methylphenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Nitroaniline	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
4-Nitrophenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Acenaphthene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Acenaphthylene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Acetophenone	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Anthracene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Atrazine	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Benzaldehyde	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Benzo(a)anthracene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5

Client Sample ID: TB-10 8-11.3'
Date Collected: 11/09/21 10:15
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-5
Matrix: Solid
Percent Solids: 87.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Benzo(b)fluoranthene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Benzo(g,h,i) perylene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Benzo(k)fluoranthene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Bis(2-chloroethoxy)methane	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Bis(2-chloroethyl)ether	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Bis(2-ethylhexyl) phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Butyl benzyl phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Caprolactam	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Carbazole	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Chrysene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Di-n-butyl phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Di-n-octyl phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Dibenz(a,h)anthracene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Dibenzofuran	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Diethyl phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Dimethyl phthalate	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Fluoranthene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Fluorene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Hexachlorobenzene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Hexachlorobutadiene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Hexachlorocyclopentadiene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Hexachloroethane	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Indeno(1,2,3-cd)pyrene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Isophorone	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
N-Nitrosodi-n-propylamine	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
N-Nitrosodiphenylamine	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Naphthalene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Nitrobenzene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Pentachlorophenol	ND		1900		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Phenanthrene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Phenol	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5
Pyrene	ND		970		ug/Kg	☼	11/15/21 14:39	11/16/21 16:00	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:00*	*5*
2-Fluorobiphenyl	*92*		*60 - 120*	*11/15/21 14:39*	*11/16/21 16:00*	*5*
2-Fluorophenol	*71*		*52 - 120*	*11/15/21 14:39*	*11/16/21 16:00*	*5*
Nitrobenzene-d5	*72*		*53 - 120*	*11/15/21 14:39*	*11/16/21 16:00*	*5*
p-Terphenyl-d14	*87*		*79 - 130*	*11/15/21 14:39*	*11/16/21 16:00*	*5*
Phenol-d5	*76*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:00*	*5*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-11 10-11.4'
Date Collected: 11/09/21 10:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-6
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,1,2,2-Tetrachloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,1,2-Trichloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,1-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,1-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2,4-Trichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2,4-Trimethylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2-Dibromoethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2-Dichloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,2-Dichloropropane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,3,5-Trimethylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,3-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
1,4-Dichlorobenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
2-Butanone (MEK)	ND	vs	27		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
2-Hexanone	ND	vs	27		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
4-Isopropyltoluene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
4-Methyl-2-pentanone (MIBK)	ND	vs	27		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Acetone	ND	vs	27		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Benzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Bromodichloromethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Bromoform	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Bromomethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Carbon disulfide	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Carbon tetrachloride	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Chlorobenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Chloroethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Chloroform	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Chloromethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
cis-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
cis-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Cyclohexane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Dibromochloromethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Dichlorodifluoromethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Ethylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Isopropylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
m,p-Xylene	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Methyl acetate	ND	vs	27		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Methyl tert-butyl ether	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Methylcyclohexane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Methylene Chloride	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Naphthalene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
n-Butylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
N-Propylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
o-Xylene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
sec-Butylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Styrene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-11 10-11.4'
Date Collected: 11/09/21 10:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-6
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Tetrachloroethene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Toluene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
trans-1,2-Dichloroethene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
trans-1,3-Dichloropropene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Trichloroethene	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Trichlorofluoromethane	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Vinyl chloride	ND	vs	5.5		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*64 - 126*	*11/14/21 17:08*	*11/15/21 12:44*	*1*
4-Bromofluorobenzene (Surr)	*89*		*72 - 126*	*11/14/21 17:08*	*11/15/21 12:44*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*	*11/14/21 17:08*	*11/15/21 12:44*	*1*
Toluene-d8 (Surr)	*97*		*71 - 125*	*11/14/21 17:08*	*11/15/21 12:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
bis (2-chloroisopropyl) ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4,5-Trichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4,6-Trichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4-Dichlorophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4-Dimethylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4-Dinitrophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,4-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2,6-Dinitrotoluene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Chloronaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Chlorophenol	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Methylnaphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Nitroaniline	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
2-Nitrophenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
3,3'-Dichlorobenzidine	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
3-Nitroaniline	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4,6-Dinitro-2-methylphenol	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Bromophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Chloro-3-methylphenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Chloroaniline	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Chlorophenyl phenyl ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Methylphenol	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Nitroaniline	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
4-Nitrophenol	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Acenaphthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Acenaphthylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Acetophenone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Atrazine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Benzaldehyde	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Benzo(a)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-11 10-11.4'
Date Collected: 11/09/21 10:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-6
Matrix: Solid
Percent Solids: 90.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Benzo(b)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Benzo(g,h,i) perylene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Benzo(k)fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Bis(2-chloroethoxy)methane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Bis(2-chloroethyl)ether	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Bis(2-ethylhexyl) phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Butyl benzyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Caprolactam	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Carbazole	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Chrysene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Di-n-butyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Di-n-octyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Dibenz(a,h)anthracene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Dibenzofuran	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Diethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Dimethyl phthalate	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Fluoranthene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Fluorene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Hexachlorobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Hexachlorobutadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Hexachlorocyclopentadiene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Hexachloroethane	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Indeno(1,2,3-cd)pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Isophorone	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
N-Nitrosodi-n-propylamine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
N-Nitrosodiphenylamine	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Naphthalene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Nitrobenzene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Pentachlorophenol	ND		360		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Phenanthrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Phenol	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1
Pyrene	ND		190		ug/Kg	☼	11/15/21 14:39	11/16/21 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:24*	*1*
2-Fluorobiphenyl	*99*		*60 - 120*	*11/15/21 14:39*	*11/16/21 16:24*	*1*
2-Fluorophenol	*78*		*52 - 120*	*11/15/21 14:39*	*11/16/21 16:24*	*1*
Nitrobenzene-d5	*90*		*53 - 120*	*11/15/21 14:39*	*11/16/21 16:24*	*1*
p-Terphenyl-d14	*104*		*79 - 130*	*11/15/21 14:39*	*11/16/21 16:24*	*1*
Phenol-d5	*89*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:24*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,1,2,2-Tetrachloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,1,2-Trichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,1-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,1-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2,4-Trichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2,4-Trimethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2-Dibromo-3-Chloropropane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2-Dibromoethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2-Dichloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,2-Dichloropropane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,3,5-Trimethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,3-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
1,4-Dichlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
2-Butanone (MEK)	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
2-Hexanone	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
4-Isopropyltoluene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
4-Methyl-2-pentanone (MIBK)	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Acetone	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Benzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Bromodichloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Bromoform	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Bromomethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Carbon disulfide	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Carbon tetrachloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Chlorobenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Chloroethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Chloroform	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Chloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
cis-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
cis-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Cyclohexane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Dibromochloromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Dichlorodifluoromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Ethylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Isopropylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
m,p-Xylene	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Methyl acetate	ND	vs	28		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Methyl tert-butyl ether	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Methylcyclohexane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Methylene Chloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Naphthalene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
n-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
N-Propylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
o-Xylene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
sec-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Styrene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Tetrachloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Toluene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
trans-1,2-Dichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
trans-1,3-Dichloropropene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Trichloroethene	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Trichlorofluoromethane	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Vinyl chloride	ND	vs	5.6		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1
Xylenes, Total	ND	vs	11		ug/Kg	☼	11/14/21 17:08	11/15/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/14/21 17:08*	*11/15/21 13:08*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*11/14/21 17:08*	*11/15/21 13:08*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*	*11/14/21 17:08*	*11/15/21 13:08*	*1*
Toluene-d8 (Surr)	*96*		*71 - 125*	*11/14/21 17:08*	*11/15/21 13:08*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
bis (2-chloroisopropyl) ether	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4,5-Trichlorophenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4,6-Trichlorophenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4-Dichlorophenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4-Dimethylphenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4-Dinitrophenol	ND		9200		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,4-Dinitrotoluene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2,6-Dinitrotoluene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Chloronaphthalene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Chlorophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Methylnaphthalene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Methylphenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
2-Nitrophenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
3,3'-Dichlorobenzidine	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
3-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4,6-Dinitro-2-methylphenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Bromophenyl phenyl ether	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Chloro-3-methylphenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Chloroaniline	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Chlorophenyl phenyl ether	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Methylphenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Nitroaniline	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
4-Nitrophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Acenaphthene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Acenaphthylene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Acetophenone	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Anthracene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Atrazine	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Benzaldehyde	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Benzo(a)anthracene	**970**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	**1000**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Benzo(b)fluoranthene	**1400**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Benzo(g,h,i) perylene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Benzo(k)fluoranthene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Bis(2-chloroethoxy)methane	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Bis(2-chloroethyl)ether	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Bis(2-ethylhexyl) phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Butyl benzyl phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Caprolactam	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Carbazole	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Chrysene	**1000**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Di-n-butyl phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Di-n-octyl phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Dibenz(a,h)anthracene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Dibenzofuran	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Diethyl phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Dimethyl phthalate	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Fluoranthene	**2000**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Fluorene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Hexachlorobenzene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Hexachlorobutadiene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Hexachlorocyclopentadiene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Hexachloroethane	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Indeno(1,2,3-cd)pyrene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Isophorone	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
N-Nitrosodi-n-propylamine	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
N-Nitrosodiphenylamine	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Naphthalene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Nitrobenzene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Pentachlorophenol	ND		1800		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Phenanthrene	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Phenol	ND		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5
Pyrene	**1600**		940		ug/Kg	☼	11/15/21 14:39	11/16/21 16:48	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:48*	*5*
2-Fluorobiphenyl	*93*		*60 - 120*	*11/15/21 14:39*	*11/16/21 16:48*	*5*
2-Fluorophenol	*73*		*52 - 120*	*11/15/21 14:39*	*11/16/21 16:48*	*5*
Nitrobenzene-d5	*85*		*53 - 120*	*11/15/21 14:39*	*11/16/21 16:48*	*5*
p-Terphenyl-d14	*102*		*79 - 130*	*11/15/21 14:39*	*11/16/21 16:48*	*5*
Phenol-d5	*78*		*54 - 120*	*11/15/21 14:39*	*11/16/21 16:48*	*5*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1
PCB-1221	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1
PCB-1232	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1
PCB-1242	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1
PCB-1248	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1
PCB-1254	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid
Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	ND		0.21		mg/Kg	☼	11/15/21 08:18	11/15/21 21:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*106*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:36*	*1*
Tetrachloro-m-xylene	*123*		*60 - 154*	*11/15/21 08:18*	*11/15/21 21:36*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:36*	*1*
DCB Decachlorobiphenyl	*127*		*65 - 174*	*11/15/21 08:18*	*11/15/21 21:36*	*1*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**7430**		10.7		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Antimony	ND		16.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Arsenic	**6.1**		2.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Barium	**81.3**		0.54		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Beryllium	**0.42**		0.21		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Cadmium	**1.1**		0.21		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Calcium	**30200**		53.5		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Chromium	**11.2**		0.54		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Cobalt	**4.8**		0.54		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Copper	**42.5**		1.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Iron	**13000**		10.7		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Lead	**244**		1.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Magnesium	**8630**		21.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Manganese	**288**		0.21		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Nickel	**12.5**		5.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Potassium	**1700**		32.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Selenium	ND		4.3		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Silver	ND		0.64		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Sodium	**168**		150		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Thallium	ND		6.4		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Vanadium	**16.8**		0.54		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1
Zinc	**124**	**^+**	2.1		mg/Kg	☼	11/15/21 17:53	11/16/21 22:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.023		mg/Kg	☼	11/16/21 11:30	11/16/21 13:59	1

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(64-126)	(72-126)	(60-140)	(71-125)
480-192295-1	TB-1 5-7'	104	90	104	96
480-192295-2	TB-6 4-6'	106	89	109	95
480-192295-4	TB-9 1-4'	102	94	98	103
480-192295-5	TB-10 8-11.3'	98	94	100	95
480-192295-6	TB-11 10-11.4'	100	89	103	97
480-192295-7	TB-12 1-3'	101	90	102	96
LCS 480-604862/1-A	Lab Control Sample	98	98	99	97
LCS 480-605076/1-A	Lab Control Sample	98	95	98	105
MB 480-604862/2-A	Method Blank	97	91	99	95
MB 480-605076/2-A	Method Blank	101	90	100	103

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(53-146)	(49-148)	(60-140)	(50-149)
480-192295-3	TB-7 6-8'	102	117	104	106
LCS 480-605077/1-A	Lab Control Sample	108	119	114	102
LCSD 480-605077/14-A	Lab Control Sample Dup	107	112	112	100
MB 480-605077/2-A	Method Blank	99	113	104	102

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(54-120)	(60-120)	(52-120)	(53-120)	(79-130)	(54-120)
480-192295-1	TB-1 5-7'	92	92	86	86	105	85
480-192295-2	TB-6 4-6'	96	100	94	79	106	97
480-192295-2 MS	TB-6 4-6'	110	110	80	99	111	92
480-192295-2 MSD	TB-6 4-6'	123 S1+	98	88	83	105	101
480-192295-3	TB-7 6-8'	95	90	77	92	106	81
480-192295-4	TB-9 1-4'	80	103	78	84	105	93
480-192295-5	TB-10 8-11.3'	65	92	71	72	87	76
480-192295-6	TB-11 10-11.4'	98	99	78	90	104	89
480-192295-7	TB-12 1-3'	81	93	73	85	102	78
LCS 480-605020/2-A	Lab Control Sample	119	95	98	85	111	100
MB 480-605020/1-A	Method Blank	83	90	94	76	91	81

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		TCX1	TCX2	DCBP1	DCBP2
Lab Sample ID	Client Sample ID	(60-154)	(60-154)	(65-174)	(65-174)
480-192295-3	TB-7 6-8'	79	106	94	111
480-192295-4	TB-9 1-4'	83	91	87	97
480-192295-7	TB-12 1-3'	106	123	104	127
LCS 480-604910/2-A	Lab Control Sample	124	139	121	152
MB 480-604910/1-A	Method Blank	104	118	104	130

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

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

Lab Sample ID: MB 480-604862/2-A
Matrix: Solid
Analysis Batch: 604890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,1-Dichloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,1-Dichloroethene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2-Dibromoethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2-Dichloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,2-Dichloropropane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
2-Butanone (MEK)	ND		25		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
2-Hexanone	ND		25		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
4-Isopropyltoluene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Acetone	ND		25		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Benzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Bromodichloromethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Bromoform	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Bromomethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Carbon disulfide	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Carbon tetrachloride	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Chlorobenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Chloroethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Chloroform	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Chloromethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Cyclohexane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Dibromochloromethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Ethylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Isopropylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
m,p-Xylene	ND		10		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Methyl acetate	ND		25		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Methylcyclohexane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Methylene Chloride	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Naphthalene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
n-Butylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
N-Propylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
o-Xylene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
sec-Butylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1

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

Lab Sample ID: MB 480-604862/2-A
Matrix: Solid
Analysis Batch: 604890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
tert-Butylbenzene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Tetrachloroethene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Toluene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Trichloroethene	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Trichlorofluoromethane	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Vinyl chloride	ND		5.0		ug/Kg		11/14/21 17:08	11/15/21 08:39	1
Xylenes, Total	ND		10		ug/Kg		11/14/21 17:08	11/15/21 08:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 126*	*11/14/21 17:08*	*11/15/21 08:39*	*1*
4-Bromofluorobenzene (Surr)	*91*		*72 - 126*	*11/14/21 17:08*	*11/15/21 08:39*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*	*11/14/21 17:08*	*11/15/21 08:39*	*1*
Toluene-d8 (Surr)	*95*		*71 - 125*	*11/14/21 17:08*	*11/15/21 08:39*	*1*

Lab Sample ID: LCS 480-604862/1-A
Matrix: Solid
Analysis Batch: 604890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	45.2		ug/Kg		90	77 - 121
1,1,2,2-Tetrachloroethane	50.0	45.4		ug/Kg		91	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	41.1		ug/Kg		82	60 - 140
1,1,2-Trichloroethane	50.0	47.6		ug/Kg		95	78 - 122
1,1-Dichloroethane	50.0	43.2		ug/Kg		86	73 - 126
1,1-Dichloroethene	50.0	35.9		ug/Kg		72	59 - 125
1,2,4-Trichlorobenzene	50.0	39.3		ug/Kg		79	64 - 120
1,2,4-Trimethylbenzene	50.0	42.3		ug/Kg		85	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	41.2		ug/Kg		82	63 - 124
1,2-Dibromoethane	50.0	48.3		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	43.8		ug/Kg		88	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	45.2		ug/Kg		90	75 - 124
1,3,5-Trimethylbenzene	50.0	42.6		ug/Kg		85	74 - 120
1,3-Dichlorobenzene	50.0	43.1		ug/Kg		86	74 - 120
1,4-Dichlorobenzene	50.0	42.8		ug/Kg		86	73 - 120
2-Butanone (MEK)	250	241		ug/Kg		97	70 - 134
2-Hexanone	250	260		ug/Kg		104	59 - 130
4-Isopropyltoluene	50.0	41.8		ug/Kg		84	74 - 120
4-Methyl-2-pentanone (MIBK)	250	247		ug/Kg		99	65 - 133
Acetone	250	255		ug/Kg		102	61 - 137
Benzene	50.0	44.0		ug/Kg		88	79 - 127
Bromodichloromethane	50.0	51.9		ug/Kg		104	80 - 122
Bromoform	50.0	47.5		ug/Kg		95	68 - 126
Bromomethane	50.0	50.5		ug/Kg		101	37 - 149
Carbon disulfide	50.0	32.7		ug/Kg		65	64 - 131

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

Lab Sample ID: LCS 480-604862/1-A
Matrix: Solid
Analysis Batch: 604890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	50.0	52.7		ug/Kg		105	75 - 135
Chlorobenzene	50.0	45.0		ug/Kg		90	76 - 124
Chloroethane	50.0	48.3		ug/Kg		97	69 - 135
Chloroform	50.0	45.2		ug/Kg		90	80 - 120
Chloromethane	50.0	41.4		ug/Kg		83	63 - 127
cis-1,2-Dichloroethene	50.0	45.8		ug/Kg		92	81 - 120
cis-1,3-Dichloropropene	50.0	46.1		ug/Kg		92	80 - 120
Cyclohexane	50.0	38.9		ug/Kg		78	65 - 120
Dibromochloromethane	50.0	47.7		ug/Kg		95	76 - 125
Dichlorodifluoromethane	50.0	34.2		ug/Kg		68	57 - 142
Ethylbenzene	50.0	45.6		ug/Kg		91	80 - 120
Isopropylbenzene	50.0	42.2		ug/Kg		84	72 - 120
m,p-Xylene	50.0	44.5		ug/Kg		89	70 - 130
Methyl acetate	100	98.5		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	42.5		ug/Kg		85	63 - 125
Methylcyclohexane	50.0	41.0		ug/Kg		82	60 - 140
Methylene Chloride	50.0	39.4		ug/Kg		79	61 - 127
Naphthalene	50.0	44.3		ug/Kg		89	38 - 137
n-Butylbenzene	50.0	40.9		ug/Kg		82	70 - 120
N-Propylbenzene	50.0	42.6		ug/Kg		85	70 - 130
o-Xylene	50.0	45.2		ug/Kg		90	70 - 130
sec-Butylbenzene	50.0	41.6		ug/Kg		83	74 - 120
Styrene	50.0	46.3		ug/Kg		93	80 - 120
tert-Butylbenzene	50.0	42.1		ug/Kg		84	73 - 120
Tetrachloroethene	50.0	43.3		ug/Kg		87	74 - 122
Toluene	50.0	44.3		ug/Kg		89	74 - 128
trans-1,2-Dichloroethene	50.0	43.2		ug/Kg		86	78 - 126
trans-1,3-Dichloropropene	50.0	48.0		ug/Kg		96	73 - 123
Trichloroethene	50.0	44.6		ug/Kg		89	77 - 129
Trichlorofluoromethane	50.0	40.2		ug/Kg		80	65 - 146
Vinyl chloride	50.0	43.6		ug/Kg		87	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*98*		*72 - 126*
Dibromofluoromethane (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*97*		*71 - 125*

Lab Sample ID: MB 480-605076/2-A
Matrix: Solid
Analysis Batch: 605079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,1-Dichloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1

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

Lab Sample ID: MB 480-605076/2-A
Matrix: Solid
Analysis Batch: 605079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2-Dibromoethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2-Dichloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,2-Dichloropropane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
2-Butanone (MEK)	ND		25		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
2-Hexanone	ND		25		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
4-Isopropyltoluene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
4-Methyl-2-pentanone (MIBK)	ND		25		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Acetone	ND		25		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Benzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Bromodichloromethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Bromoform	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Bromomethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Carbon disulfide	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Carbon tetrachloride	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Chlorobenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Chloroethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Chloroform	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Chloromethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Cyclohexane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Dibromochloromethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Dichlorodifluoromethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Ethylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Isopropylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
m,p-Xylene	ND		10		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Methyl acetate	ND		25		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Methyl tert-butyl ether	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Methylcyclohexane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Methylene Chloride	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Naphthalene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
n-Butylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
N-Propylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
o-Xylene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
sec-Butylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Styrene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
tert-Butylbenzene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Tetrachloroethene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Toluene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1

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

Lab Sample ID: MB 480-605076/2-A
Matrix: Solid
Analysis Batch: 605079

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605076

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Trichlorofluoromethane	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Vinyl chloride	ND		5.0		ug/Kg		11/15/21 19:36	11/16/21 07:51	1
Xylenes, Total	ND		10		ug/Kg		11/15/21 19:36	11/16/21 07:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 126*	*11/15/21 19:36*	*11/16/21 07:51*	*1*
4-Bromofluorobenzene (Surr)	*90*		*72 - 126*	*11/15/21 19:36*	*11/16/21 07:51*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*	*11/15/21 19:36*	*11/16/21 07:51*	*1*
Toluene-d8 (Surr)	*103*		*71 - 125*	*11/15/21 19:36*	*11/16/21 07:51*	*1*

Lab Sample ID: LCS 480-605076/1-A
Matrix: Solid
Analysis Batch: 605079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	49.9		ug/Kg		100	77 - 121
1,1,2,2-Tetrachloroethane	50.0	56.6		ug/Kg		113	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.7		ug/Kg		87	60 - 140
1,1,2-Trichloroethane	50.0	55.8		ug/Kg		112	78 - 122
1,1-Dichloroethane	50.0	47.5		ug/Kg		95	73 - 126
1,1-Dichloroethene	50.0	43.8		ug/Kg		88	59 - 125
1,2,4-Trichlorobenzene	50.0	50.5		ug/Kg		101	64 - 120
1,2,4-Trimethylbenzene	50.0	55.6		ug/Kg		111	74 - 120
1,2-Dibromo-3-Chloropropane	50.0	50.1		ug/Kg		100	63 - 124
1,2-Dibromoethane	50.0	55.5		ug/Kg		111	78 - 120
1,2-Dichlorobenzene	50.0	55.7		ug/Kg		111	75 - 120
1,2-Dichloroethane	50.0	48.9		ug/Kg		98	77 - 122
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	75 - 124
1,3,5-Trimethylbenzene	50.0	55.4		ug/Kg		111	74 - 120
1,3-Dichlorobenzene	50.0	55.3		ug/Kg		111	74 - 120
1,4-Dichlorobenzene	50.0	54.7		ug/Kg		109	73 - 120
2-Butanone (MEK)	250	239		ug/Kg		96	70 - 134
2-Hexanone	250	281		ug/Kg		112	59 - 130
4-Isopropyltoluene	50.0	54.6		ug/Kg		109	74 - 120
4-Methyl-2-pentanone (MIBK)	250	279		ug/Kg		112	65 - 133
Acetone	250	249		ug/Kg		100	61 - 137
Benzene	50.0	48.1		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	55.8		ug/Kg		112	80 - 122
Bromoform	50.0	56.2		ug/Kg		112	68 - 126
Bromomethane	50.0	55.9		ug/Kg		112	37 - 149
Carbon disulfide	50.0	41.1		ug/Kg		82	64 - 131
Carbon tetrachloride	50.0	59.6		ug/Kg		119	75 - 135
Chlorobenzene	50.0	54.0		ug/Kg		108	76 - 124
Chloroethane	50.0	54.4		ug/Kg		109	69 - 135
Chloroform	50.0	48.9		ug/Kg		98	80 - 120
Chloromethane	50.0	48.2		ug/Kg		96	63 - 127
cis-1,2-Dichloroethene	50.0	49.5		ug/Kg		99	81 - 120

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

Lab Sample ID: LCS 480-605076/1-A
Matrix: Solid
Analysis Batch: 605079

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605076

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
cis-1,3-Dichloropropene	50.0	50.3		ug/Kg		101	80 - 120
Cyclohexane	50.0	44.2		ug/Kg		88	65 - 120
Dibromochloromethane	50.0	56.4		ug/Kg		113	76 - 125
Dichlorodifluoromethane	50.0	43.0		ug/Kg		86	57 - 142
Ethylbenzene	50.0	54.4		ug/Kg		109	80 - 120
Isopropylbenzene	50.0	55.2		ug/Kg		110	72 - 120
m,p-Xylene	50.0	53.9		ug/Kg		108	70 - 130
Methyl acetate	100	98.0		ug/Kg		98	55 - 136
Methyl tert-butyl ether	50.0	44.5		ug/Kg		89	63 - 125
Methylcyclohexane	50.0	45.4		ug/Kg		91	60 - 140
Methylene Chloride	50.0	45.5		ug/Kg		91	61 - 127
Naphthalene	50.0	53.6		ug/Kg		107	38 - 137
n-Butylbenzene	50.0	53.9		ug/Kg		108	70 - 120
N-Propylbenzene	50.0	55.7		ug/Kg		111	70 - 130
o-Xylene	50.0	54.3		ug/Kg		109	70 - 130
sec-Butylbenzene	50.0	54.9		ug/Kg		110	74 - 120
Styrene	50.0	54.6		ug/Kg		109	80 - 120
tert-Butylbenzene	50.0	54.9		ug/Kg		110	73 - 120
Tetrachloroethene	50.0	52.6		ug/Kg		105	74 - 122
Toluene	50.0	53.7		ug/Kg		107	74 - 128
trans-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	78 - 126
trans-1,3-Dichloropropene	50.0	57.9		ug/Kg		116	73 - 123
Trichloroethene	50.0	47.7		ug/Kg		95	77 - 129
Trichlorofluoromethane	50.0	41.1		ug/Kg		82	65 - 146
Vinyl chloride	50.0	48.9		ug/Kg		98	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 126*
4-Bromofluorobenzene (Surr)	*95*		*72 - 126*
Dibromofluoromethane (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*105*		*71 - 125*

Lab Sample ID: MB 480-605077/2-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,1,2,2-Tetrachloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,1,2-Trichloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,1-Dichloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,1-Dichloroethene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2,4-Trichlorobenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2,4-Trimethylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2-Dibromo-3-Chloropropane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2-Dibromoethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2-Dichlorobenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1

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

Lab Sample ID: MB 480-605077/2-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605077

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,2-Dichloropropane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,3,5-Trimethylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,3-Dichlorobenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
1,4-Dichlorobenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
2-Butanone (MEK)	ND		500		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
2-Hexanone	ND		500		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
4-Isopropyltoluene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
4-Methyl-2-pentanone (MIBK)	ND		500		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Acetone	ND		500		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Benzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Bromodichloromethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Bromoform	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Bromomethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Carbon disulfide	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Carbon tetrachloride	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Chlorobenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Chloroethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Chloroform	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Chloromethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
cis-1,2-Dichloroethene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
cis-1,3-Dichloropropene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Cyclohexane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Dibromochloromethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Dichlorodifluoromethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Ethylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Isopropylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
m,p-Xylene	ND		200		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Methyl acetate	ND		500		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Methyl tert-butyl ether	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Methylcyclohexane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Methylene Chloride	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Naphthalene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
n-Butylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
N-Propylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
o-Xylene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
sec-Butylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Styrene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
tert-Butylbenzene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Tetrachloroethene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Toluene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
trans-1,2-Dichloroethene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
trans-1,3-Dichloropropene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Trichloroethene	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Trichlorofluoromethane	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Vinyl chloride	ND		100		ug/Kg		11/15/21 20:50	11/16/21 13:06	1
Xylenes, Total	ND		200		ug/Kg		11/15/21 20:50	11/16/21 13:06	1

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

Lab Sample ID: MB 480-605077/2-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605077

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		53 - 146	11/15/21 20:50	11/16/21 13:06	1
4-Bromofluorobenzene (Surr)	113		49 - 148	11/15/21 20:50	11/16/21 13:06	1
Dibromofluoromethane (Surr)	104		60 - 140	11/15/21 20:50	11/16/21 13:06	1
Toluene-d8 (Surr)	102		50 - 149	11/15/21 20:50	11/16/21 13:06	1

Lab Sample ID: LCS 480-605077/1-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605077

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	2500	2760		ug/Kg		110	68 - 130
1,1,2,2-Tetrachloroethane	2500	2280		ug/Kg		91	73 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	2500	2380		ug/Kg		95	10 - 179
1,1,2-Trichloroethane	2500	2500		ug/Kg		100	80 - 120
1,1-Dichloroethane	2500	2590		ug/Kg		104	78 - 121
1,1-Dichloroethene	2500	2370		ug/Kg		95	48 - 133
1,2,4-Trichlorobenzene	2500	2630		ug/Kg		105	70 - 140
1,2,4-Trimethylbenzene	2500	2510		ug/Kg		100	77 - 127
1,2-Dibromo-3-Chloropropane	2500	2170		ug/Kg		87	56 - 122
1,2-Dibromoethane	2500	2510		ug/Kg		101	80 - 120
1,2-Dichlorobenzene	2500	2500		ug/Kg		100	78 - 125
1,2-Dichloroethane	2500	2560		ug/Kg		102	74 - 127
1,2-Dichloropropane	2500	2510		ug/Kg		100	80 - 120
1,3,5-Trimethylbenzene	2500	2540		ug/Kg		102	79 - 120
1,3-Dichlorobenzene	2500	2590		ug/Kg		104	80 - 120
1,4-Dichlorobenzene	2500	2630		ug/Kg		105	80 - 120
2-Butanone (MEK)	12500	11600		ug/Kg		93	54 - 149
2-Hexanone	12500	10600		ug/Kg		85	59 - 127
4-Isopropyltoluene	2500	2660		ug/Kg		106	80 - 120
4-Methyl-2-pentanone (MIBK)	12500	10300		ug/Kg		83	74 - 120
Acetone	12500	10800		ug/Kg		86	47 - 141
Benzene	2500	2610		ug/Kg		104	77 - 125
Bromodichloromethane	2500	2700		ug/Kg		108	71 - 121
Bromoform	2500	2370		ug/Kg		95	48 - 125
Bromomethane	2500	2240		ug/Kg		90	39 - 149
Carbon disulfide	2500	2180		ug/Kg		87	40 - 136
Carbon tetrachloride	2500	2850		ug/Kg		114	54 - 135
Chlorobenzene	2500	2640		ug/Kg		105	76 - 126
Chloroethane	2500	1890		ug/Kg		76	23 - 150
Chloroform	2500	2640		ug/Kg		106	78 - 120
Chloromethane	2500	2400		ug/Kg		96	61 - 124
cis-1,2-Dichloroethene	2500	2640		ug/Kg		106	79 - 124
cis-1,3-Dichloropropene	2500	2630		ug/Kg		105	75 - 121
Cyclohexane	2500	2810		ug/Kg		112	49 - 129
Dibromochloromethane	2500	2530		ug/Kg		101	64 - 120
Dichlorodifluoromethane	2500	2540		ug/Kg		102	10 - 150
Ethylbenzene	2500	2650		ug/Kg		106	78 - 124
Isopropylbenzene	2500	2460		ug/Kg		98	76 - 120

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

Lab Sample ID: LCS 480-605077/1-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605077

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
m,p-Xylene			2500	2720		ug/Kg		109	77 - 125		
Methyl acetate			5000	4280		ug/Kg		86	71 - 123		
Methyl tert-butyl ether			2500	2560		ug/Kg		102	67 - 137		
Methylcyclohexane			2500	2740		ug/Kg		109	50 - 130		
Methylene Chloride			2500	2780		ug/Kg		111	75 - 118		
Naphthalene			2500	2380		ug/Kg		95	65 - 142		
n-Butylbenzene			2500	2430		ug/Kg		97	80 - 120		
N-Propylbenzene			2500	2510		ug/Kg		100	76 - 120		
o-Xylene			2500	2690		ug/Kg		107	80 - 124		
sec-Butylbenzene			2500	2550		ug/Kg		102	79 - 120		
Styrene			2500	2720		ug/Kg		109	80 - 120		
tert-Butylbenzene			2500	2690		ug/Kg		108	78 - 120		
Tetrachloroethene			2500	2760		ug/Kg		110	73 - 133		
Toluene			2500	2550		ug/Kg		102	75 - 124		
trans-1,2-Dichloroethene			2500	2680		ug/Kg		107	74 - 129		
trans-1,3-Dichloropropene			2500	2390		ug/Kg		96	73 - 120		
Trichloroethene			2500	2830		ug/Kg		113	75 - 131		
Trichlorofluoromethane			2500	2560		ug/Kg		102	29 - 158		
Vinyl chloride			2500	2490		ug/Kg		99	59 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*53 - 146*
4-Bromofluorobenzene (Surr)	*119*		*49 - 148*
Dibromofluoromethane (Surr)	*114*		*60 - 140*
Toluene-d8 (Surr)	*102*		*50 - 149*

Lab Sample ID: LCSD 480-605077/14-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 605077

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			2500	2640		ug/Kg		106	68 - 130	4	20
1,1,2,2-Tetrachloroethane			2500	2330		ug/Kg		93	73 - 120	2	20
1,1,2-Trichloro-1,2,2-trifluoroethane			2500	2410		ug/Kg		96	10 - 179	1	20
1,1,2-Trichloroethane			2500	2390		ug/Kg		96	80 - 120	4	20
1,1-Dichloroethane			2500	2550		ug/Kg		102	78 - 121	2	20
1,1-Dichloroethene			2500	2220		ug/Kg		89	48 - 133	7	20
1,2,4-Trichlorobenzene			2500	2750		ug/Kg		110	70 - 140	5	20
1,2,4-Trimethylbenzene			2500	2530		ug/Kg		101	77 - 127	1	20
1,2-Dibromo-3-Chloropropane			2500	1960		ug/Kg		79	56 - 122	10	20
1,2-Dibromoethane			2500	2470		ug/Kg		99	80 - 120	2	20
1,2-Dichlorobenzene			2500	2570		ug/Kg		103	78 - 125	3	20
1,2-Dichloroethane			2500	2470		ug/Kg		99	74 - 127	3	20
1,2-Dichloropropane			2500	2450		ug/Kg		98	80 - 120	2	20
1,3,5-Trimethylbenzene			2500	2640		ug/Kg		106	79 - 120	4	20
1,3-Dichlorobenzene			2500	2560		ug/Kg		103	80 - 120	1	20
1,4-Dichlorobenzene			2500	2700		ug/Kg		108	80 - 120	3	20
2-Butanone (MEK)			12500	11800		ug/Kg		95	54 - 149	2	20

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

Lab Sample ID: LCSD 480-605077/14-A
Matrix: Solid
Analysis Batch: 605141

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 605077

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone			12500	10700		ug/Kg		85	59 - 127	1	20
4-Isopropyltoluene			2500	2710		ug/Kg		108	80 - 120	2	20
4-Methyl-2-pentanone (MIBK)			12500	10400		ug/Kg		84	74 - 120	1	20
Acetone			12500	10900		ug/Kg		87	47 - 141	1	20
Benzene			2500	2560		ug/Kg		102	77 - 125	2	20
Bromodichloromethane			2500	2610		ug/Kg		104	71 - 121	4	20
Bromoform			2500	2330		ug/Kg		93	48 - 125	2	20
Bromomethane			2500	2220		ug/Kg		89	39 - 149	1	20
Carbon disulfide			2500	2030		ug/Kg		81	40 - 136	7	20
Carbon tetrachloride			2500	2670		ug/Kg		107	54 - 135	7	20
Chlorobenzene			2500	2610		ug/Kg		105	76 - 126	1	20
Chloroethane			2500	1780		ug/Kg		71	23 - 150	6	20
Chloroform			2500	2570		ug/Kg		103	78 - 120	3	20
Chloromethane			2500	2200		ug/Kg		88	61 - 124	9	20
cis-1,2-Dichloroethene			2500	2550		ug/Kg		102	79 - 124	3	20
cis-1,3-Dichloropropene			2500	2520		ug/Kg		101	75 - 121	4	20
Cyclohexane			2500	2600		ug/Kg		104	49 - 129	8	20
Dibromochloromethane			2500	2510		ug/Kg		100	64 - 120	1	20
Dichlorodifluoromethane			2500	2340		ug/Kg		94	10 - 150	8	20
Ethylbenzene			2500	2580		ug/Kg		103	78 - 124	3	20
Isopropylbenzene			2500	2510		ug/Kg		100	76 - 120	2	20
m,p-Xylene			2500	2600		ug/Kg		104	77 - 125	4	20
Methyl acetate			5000	4120		ug/Kg		82	71 - 123	4	20
Methyl tert-butyl ether			2500	2480		ug/Kg		99	67 - 137	3	20
Methylcyclohexane			2500	2720		ug/Kg		109	50 - 130	1	20
Methylene Chloride			2500	2650		ug/Kg		106	75 - 118	5	20
Naphthalene			2500	2470		ug/Kg		99	65 - 142	4	20
n-Butylbenzene			2500	2490		ug/Kg		100	80 - 120	3	20
N-Propylbenzene			2500	2540		ug/Kg		102	76 - 120	2	20
o-Xylene			2500	2590		ug/Kg		104	80 - 124	4	20
sec-Butylbenzene			2500	2630		ug/Kg		105	79 - 120	3	20
Styrene			2500	2760		ug/Kg		110	80 - 120	1	20
tert-Butylbenzene			2500	2690		ug/Kg		108	78 - 120	0	20
Tetrachloroethene			2500	2740		ug/Kg		109	73 - 133	1	20
Toluene			2500	2550		ug/Kg		102	75 - 124	0	20
trans-1,2-Dichloroethene			2500	2590		ug/Kg		104	74 - 129	3	20
trans-1,3-Dichloropropene			2500	2370		ug/Kg		95	73 - 120	1	20
Trichloroethene			2500	2750		ug/Kg		110	75 - 131	3	20
Trichlorofluoromethane			2500	2320		ug/Kg		93	29 - 158	10	20
Vinyl chloride			2500	2230		ug/Kg		89	59 - 124	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*53 - 146*
4-Bromofluorobenzene (Surr)	*112*		*49 - 148*
Dibromofluoromethane (Surr)	*112*		*60 - 140*
Toluene-d8 (Surr)	*100*		*50 - 149*

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

Lab Sample ID: MB 480-605020/1-A
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
bis (2-chloroisopropyl) ether	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4,5-Trichlorophenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4,6-Trichlorophenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4-Dichlorophenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4-Dimethylphenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4-Dinitrophenol	ND		1600		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,4-Dinitrotoluene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2,6-Dinitrotoluene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Chloronaphthalene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Chlorophenol	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Methylnaphthalene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Methylphenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Nitroaniline	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
2-Nitrophenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
3,3'-Dichlorobenzidine	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
3-Nitroaniline	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4,6-Dinitro-2-methylphenol	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Bromophenyl phenyl ether	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Chloro-3-methylphenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Chloroaniline	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Chlorophenyl phenyl ether	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Methylphenol	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Nitroaniline	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
4-Nitrophenol	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Acenaphthene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Acenaphthylene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Acetophenone	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Anthracene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Atrazine	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzaldehyde	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzo(a)anthracene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzo(a)pyrene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzo(b)fluoranthene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzo(g,h,i) perylene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Benzo(k)fluoranthene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Bis(2-chloroethoxy)methane	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Bis(2-chloroethyl)ether	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Bis(2-ethylhexyl) phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Butyl benzyl phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Caprolactam	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Carbazole	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Chrysene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Di-n-butyl phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Di-n-octyl phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Dibenz(a,h)anthracene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Dibenzofuran	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Diethyl phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1

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

Lab Sample ID: MB 480-605020/1-A
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Fluoranthene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Fluorene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Hexachlorobenzene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Hexachlorobutadiene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Hexachlorocyclopentadiene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Hexachloroethane	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Indeno(1,2,3-cd)pyrene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Isophorone	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
N-Nitrosodi-n-propylamine	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
N-Nitrosodiphenylamine	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Naphthalene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Nitrobenzene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Pentachlorophenol	ND		320		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Phenanthrene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Phenol	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1
Pyrene	ND		170		ug/Kg		11/15/21 14:39	11/16/21 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*54 - 120*	*11/15/21 14:39*	*11/16/21 11:10*	*1*
2-Fluorobiphenyl	*90*		*60 - 120*	*11/15/21 14:39*	*11/16/21 11:10*	*1*
2-Fluorophenol	*94*		*52 - 120*	*11/15/21 14:39*	*11/16/21 11:10*	*1*
Nitrobenzene-d5	*76*		*53 - 120*	*11/15/21 14:39*	*11/16/21 11:10*	*1*
p-Terphenyl-d14	*91*		*79 - 130*	*11/15/21 14:39*	*11/16/21 11:10*	*1*
Phenol-d5	*81*		*54 - 120*	*11/15/21 14:39*	*11/16/21 11:10*	*1*

Lab Sample ID: LCS 480-605020/2-A
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	1660	1580		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1660	1570		ug/Kg		95	44 - 120
2,4,5-Trichlorophenol	1660	1750		ug/Kg		106	59 - 126
2,4,6-Trichlorophenol	1660	1620		ug/Kg		98	59 - 123
2,4-Dichlorophenol	1660	1680		ug/Kg		101	61 - 120
2,4-Dimethylphenol	1660	1620		ug/Kg		98	59 - 120
2,4-Dinitrophenol	3310	3640		ug/Kg		110	41 - 146
2,4-Dinitrotoluene	1660	1870		ug/Kg		113	63 - 120
2,6-Dinitrotoluene	1660	1830		ug/Kg		111	66 - 120
2-Chloronaphthalene	1660	1580		ug/Kg		96	57 - 120
2-Chlorophenol	1660	1510		ug/Kg		92	53 - 120
2-Methylnaphthalene	1660	1290		ug/Kg		78	59 - 120
2-Methylphenol	1660	1710		ug/Kg		103	54 - 120
2-Nitroaniline	1660	1780		ug/Kg		108	61 - 120
2-Nitrophenol	1660	1510		ug/Kg		91	56 - 120
3,3'-Dichlorobenzidine	3310	2960		ug/Kg		89	54 - 120
3-Nitroaniline	1660	1560		ug/Kg		94	48 - 120

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

Lab Sample ID: LCS 480-605020/2-A
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,6-Dinitro-2-methylphenol	3310	3770		ug/Kg		114	49 - 122
4-Bromophenyl phenyl ether	1660	1640		ug/Kg		99	58 - 120
4-Chloro-3-methylphenol	1660	1670		ug/Kg		101	61 - 120
4-Chloroaniline	1660	1460		ug/Kg		88	38 - 120
4-Chlorophenyl phenyl ether	1660	1740		ug/Kg		105	63 - 124
4-Methylphenol	1660	1740		ug/Kg		105	55 - 120
4-Nitroaniline	1660	1800		ug/Kg		109	56 - 120
4-Nitrophenol	3310	3850		ug/Kg		116	43 - 147
Acenaphthene	1660	1660		ug/Kg		100	62 - 120
Acenaphthylene	1660	1620		ug/Kg		98	58 - 121
Acetophenone	1660	1520		ug/Kg		92	54 - 120
Anthracene	1660	1630		ug/Kg		98	62 - 120
Atrazine	3310	3210		ug/Kg		97	60 - 127
Benzaldehyde	3310	1010		ug/Kg		30	10 - 150
Benzo(a)anthracene	1660	1830		ug/Kg		111	65 - 120
Benzo(a)pyrene	1660	1660		ug/Kg		100	64 - 120
Benzo(b)fluoranthene	1660	1880		ug/Kg		114	64 - 120
Benzo(g,h,i) perylene	1660	1860		ug/Kg		112	45 - 145
Benzo(k)fluoranthene	1660	1820		ug/Kg		110	65 - 120
Bis(2-chloroethoxy)methane	1660	1560		ug/Kg		94	55 - 120
Bis(2-chloroethyl)ether	1660	1670		ug/Kg		101	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1890		ug/Kg		114	61 - 133
Butyl benzyl phthalate	1660	1880		ug/Kg		114	61 - 129
Caprolactam	3310	3220		ug/Kg		97	47 - 120
Carbazole	1660	1570		ug/Kg		95	65 - 120
Chrysene	1660	1780		ug/Kg		108	64 - 120
Di-n-butyl phthalate	1660	1710		ug/Kg		103	58 - 130
Di-n-octyl phthalate	1660	1880		ug/Kg		113	57 - 133
Dibenz(a,h)anthracene	1660	1920		ug/Kg		116	54 - 132
Dibenzofuran	1660	1730		ug/Kg		104	63 - 120
Diethyl phthalate	1660	1810		ug/Kg		109	66 - 120
Dimethyl phthalate	1660	1770		ug/Kg		107	65 - 124
Fluoranthene	1660	1820		ug/Kg		110	62 - 120
Fluorene	1660	1750		ug/Kg		105	63 - 120
Hexachlorobenzene	1660	1840		ug/Kg		111	60 - 120
Hexachlorobutadiene	1660	1530		ug/Kg		92	45 - 120
Hexachlorocyclopentadiene	1660	1490		ug/Kg		90	47 - 120
Hexachloroethane	1660	1510		ug/Kg		91	41 - 120
Indeno(1,2,3-cd)pyrene	1660	1890		ug/Kg		114	56 - 134
Isophorone	1660	1530		ug/Kg		93	56 - 120
N-Nitrosodi-n-propylamine	1660	1540		ug/Kg		93	52 - 120
Naphthalene	1660	1540		ug/Kg		93	55 - 120
Nitrobenzene	1660	1260		ug/Kg		76	54 - 120
Pentachlorophenol	3310	3280		ug/Kg		99	51 - 120
Phenanthrene	1660	1800		ug/Kg		109	60 - 120
Phenol	1660	1630		ug/Kg		98	53 - 120
Pyrene	1660	1730		ug/Kg		104	61 - 133

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

Lab Sample ID: LCS 480-605020/2-A
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605020

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol	*119*		*54 - 120*
2-Fluorobiphenyl	*95*		*60 - 120*
2-Fluorophenol	*98*		*52 - 120*
Nitrobenzene-d5	*85*		*53 - 120*
p-Terphenyl-d14	*111*		*79 - 130*
Phenol-d5	*100*		*54 - 120*

Lab Sample ID: 480-192295-2 MS
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: TB-6 4-6'
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	ND		1850	2020		ug/Kg	☼	109	58 - 120
bis (2-chloroisopropyl) ether	ND		1850	1540		ug/Kg	☼	83	31 - 120
2,4,5-Trichlorophenol	ND	F1	1850	2290	F1	ug/Kg	☼	124	46 - 120
2,4,6-Trichlorophenol	ND		1850	2170		ug/Kg	☼	117	41 - 123
2,4-Dichlorophenol	ND		1850	1940		ug/Kg	☼	105	45 - 120
2,4-Dimethylphenol	ND		1850	1880		ug/Kg	☼	101	52 - 120
2,4-Dinitrophenol	ND		3700	4050		ug/Kg	☼	109	41 - 146
2,4-Dinitrotoluene	ND		1850	2210		ug/Kg	☼	120	63 - 125
2,6-Dinitrotoluene	ND		1850	2140		ug/Kg	☼	116	66 - 120
2-Chloronaphthalene	ND		1850	2040		ug/Kg	☼	110	57 - 120
2-Chlorophenol	ND		1850	1720		ug/Kg	☼	93	43 - 120
2-Methylnaphthalene	ND		1850	1890		ug/Kg	☼	102	55 - 120
2-Methylphenol	ND		1850	1740		ug/Kg	☼	94	48 - 120
2-Nitroaniline	ND	F1	1850	2240	F1	ug/Kg	☼	121	61 - 120
2-Nitrophenol	ND		1850	1760		ug/Kg	☼	95	37 - 120
3,3'-Dichlorobenzidine	ND		3700	3400		ug/Kg	☼	92	37 - 126
3-Nitroaniline	ND		1850	1790		ug/Kg	☼	97	48 - 120
4,6-Dinitro-2-methylphenol	ND		3700	3810		ug/Kg	☼	103	23 - 149
4-Bromophenyl phenyl ether	ND		1850	1900		ug/Kg	☼	103	58 - 120
4-Chloro-3-methylphenol	ND		1850	2140		ug/Kg	☼	116	49 - 125
4-Chloroaniline	ND		1850	1740		ug/Kg	☼	94	38 - 120
4-Chlorophenyl phenyl ether	ND		1850	2000		ug/Kg	☼	108	63 - 124
4-Methylphenol	ND		1850	1780		ug/Kg	☼	96	50 - 120
4-Nitroaniline	ND		1850	2020		ug/Kg	☼	109	47 - 120
4-Nitrophenol	ND		3700	4500		ug/Kg	☼	122	31 - 147
Acenaphthene	ND		1850	1930		ug/Kg	☼	104	60 - 120
Acenaphthylene	ND		1850	1910		ug/Kg	☼	103	58 - 121
Acetophenone	ND		1850	1690		ug/Kg	☼	91	47 - 120
Anthracene	ND		1850	1990		ug/Kg	☼	108	62 - 120
Atrazine	ND		3700	4070		ug/Kg	☼	110	60 - 150
Benzaldehyde	ND		3700	676		ug/Kg	☼	18	10 - 150
Benzo(a)anthracene	ND		1850	2030		ug/Kg	☼	110	65 - 120
Benzo(a)pyrene	ND		1850	1920		ug/Kg	☼	104	64 - 120
Benzo(b)fluoranthene	ND		1850	1950		ug/Kg	☼	106	10 - 150
Benzo(g,h,i) perylene	ND		1850	2100		ug/Kg	☼	114	45 - 145
Benzo(k)fluoranthene	ND		1850	2090		ug/Kg	☼	113	23 - 150

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

Lab Sample ID: 480-192295-2 MS
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: TB-6 4-6'
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-chloroethoxy)methane	ND		1850	1790		ug/Kg	☼	97	52 - 120
Bis(2-chloroethyl)ether	ND		1850	1590		ug/Kg	☼	86	45 - 120
Bis(2-ethylhexyl) phthalate	ND		1850	1750		ug/Kg	☼	95	61 - 133
Butyl benzyl phthalate	ND		1850	2110		ug/Kg	☼	114	61 - 120
Caprolactam	ND		3700	4240		ug/Kg	☼	115	37 - 133
Carbazole	ND		1850	2080		ug/Kg	☼	112	59 - 120
Chrysene	ND		1850	1740		ug/Kg	☼	94	64 - 120
Di-n-butyl phthalate	ND		1850	2130		ug/Kg	☼	115	58 - 130
Di-n-octyl phthalate	ND		1850	1770		ug/Kg	☼	96	57 - 133
Dibenz(a,h)anthracene	ND		1850	2110		ug/Kg	☼	114	54 - 132
Dibenzofuran	ND		1850	2040		ug/Kg	☼	110	62 - 120
Diethyl phthalate	ND		1850	2050		ug/Kg	☼	111	66 - 120
Dimethyl phthalate	ND		1850	2190		ug/Kg	☼	119	65 - 124
Fluoranthene	ND	F1	1850	2130		ug/Kg	☼	115	62 - 120
Fluorene	ND		1850	2050		ug/Kg	☼	111	63 - 120
Hexachlorobenzene	ND		1850	1990		ug/Kg	☼	107	60 - 120
Hexachlorobutadiene	ND		1850	1850		ug/Kg	☼	100	45 - 120
Hexachlorocyclopentadiene	ND		1850	1990		ug/Kg	☼	108	31 - 120
Hexachloroethane	ND		1850	1530		ug/Kg	☼	83	21 - 120
Indeno(1,2,3-cd)pyrene	ND		1850	2080		ug/Kg	☼	113	56 - 134
Isophorone	ND		1850	1710		ug/Kg	☼	92	56 - 120
N-Nitrosodi-n-propylamine	ND		1850	1700		ug/Kg	☼	92	46 - 120
Naphthalene	ND		1850	1770		ug/Kg	☼	96	46 - 120
Nitrobenzene	ND		1850	1900		ug/Kg	☼	102	49 - 120
Pentachlorophenol	ND		3700	3730		ug/Kg	☼	101	25 - 136
Phenanthrene	ND		1850	2040		ug/Kg	☼	111	60 - 122
Phenol	ND		1850	1640		ug/Kg	☼	88	50 - 120
Pyrene	ND		1850	2040		ug/Kg	☼	110	61 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol	*110*		*54 - 120*
2-Fluorobiphenyl	*110*		*60 - 120*
2-Fluorophenol	*80*		*52 - 120*
Nitrobenzene-d5	*99*		*53 - 120*
p-Terphenyl-d14	*111*		*79 - 130*
Phenol-d5	*92*		*54 - 120*

Lab Sample ID: 480-192295-2 MSD
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: TB-6 4-6'
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl	ND		1840	1790		ug/Kg	☼	97	58 - 120	12	20
bis (2-chloroisopropyl) ether	ND		1840	1560		ug/Kg	☼	85	31 - 120	1	24
2,4,5-Trichlorophenol	ND	F1	1840	1970		ug/Kg	☼	107	46 - 120	15	18
2,4,6-Trichlorophenol	ND		1840	1930		ug/Kg	☼	105	41 - 123	12	19
2,4-Dichlorophenol	ND		1840	1790		ug/Kg	☼	97	45 - 120	8	19
2,4-Dimethylphenol	ND		1840	1760		ug/Kg	☼	96	52 - 120	6	42

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

Lab Sample ID: 480-192295-2 MSD
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: TB-6 4-6'
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dinitrophenol	ND		3680	3840		ug/Kg	☼	104	41 - 146	5	22
2,4-Dinitrotoluene	ND		1840	2140		ug/Kg	☼	116	63 - 125	3	20
2,6-Dinitrotoluene	ND		1840	2020		ug/Kg	☼	110	66 - 120	6	15
2-Chloronaphthalene	ND		1840	1790		ug/Kg	☼	97	57 - 120	13	21
2-Chlorophenol	ND		1840	1880		ug/Kg	☼	102	43 - 120	9	25
2-Methylnaphthalene	ND		1840	1660		ug/Kg	☼	90	55 - 120	13	21
2-Methylphenol	ND		1840	1750		ug/Kg	☼	95	48 - 120	1	27
2-Nitroaniline	ND	F1	1840	2010		ug/Kg	☼	109	61 - 120	11	15
2-Nitrophenol	ND		1840	1660		ug/Kg	☼	90	37 - 120	5	18
3,3'-Dichlorobenzidine	ND		3680	3180		ug/Kg	☼	87	37 - 126	7	25
3-Nitroaniline	ND		1840	1870		ug/Kg	☼	102	48 - 120	4	19
4,6-Dinitro-2-methylphenol	ND		3680	4380		ug/Kg	☼	119	23 - 149	14	15
4-Bromophenyl phenyl ether	ND		1840	2020		ug/Kg	☼	110	58 - 120	6	15
4-Chloro-3-methylphenol	ND		1840	1990		ug/Kg	☼	108	49 - 125	8	27
4-Chloroaniline	ND		1840	1680		ug/Kg	☼	91	38 - 120	4	22
4-Chlorophenyl phenyl ether	ND		1840	1950		ug/Kg	☼	106	63 - 124	2	16
4-Methylphenol	ND		1840	1880		ug/Kg	☼	102	50 - 120	5	24
4-Nitroaniline	ND		1840	2030		ug/Kg	☼	110	47 - 120	1	24
4-Nitrophenol	ND		3680	4280		ug/Kg	☼	116	31 - 147	5	25
Acenaphthene	ND		1840	1920		ug/Kg	☼	104	60 - 120	0	35
Acenaphthylene	ND		1840	1790		ug/Kg	☼	97	58 - 121	6	18
Acetophenone	ND		1840	1730		ug/Kg	☼	94	47 - 120	2	20
Anthracene	ND		1840	1940		ug/Kg	☼	105	62 - 120	3	15
Atrazine	ND		3680	3620		ug/Kg	☼	99	60 - 150	12	20
Benzaldehyde	ND		3680	730		ug/Kg	☼	20	10 - 150	8	20
Benzo(a)anthracene	ND		1840	1940		ug/Kg	☼	105	65 - 120	5	15
Benzo(a)pyrene	ND		1840	1730		ug/Kg	☼	94	64 - 120	10	15
Benzo(b)fluoranthene	ND		1840	1770		ug/Kg	☼	96	10 - 150	10	15
Benzo(g,h,i) perylene	ND		1840	1980		ug/Kg	☼	108	45 - 145	6	15
Benzo(k)fluoranthene	ND		1840	1780		ug/Kg	☼	97	23 - 150	16	22
Bis(2-chloroethoxy)methane	ND		1840	1630		ug/Kg	☼	89	52 - 120	9	17
Bis(2-chloroethyl)ether	ND		1840	1760		ug/Kg	☼	96	45 - 120	10	21
Bis(2-ethylhexyl) phthalate	ND		1840	1930		ug/Kg	☼	105	61 - 133	9	15
Butyl benzyl phthalate	ND		1840	1950		ug/Kg	☼	106	61 - 120	8	16
Caprolactam	ND		3680	3830		ug/Kg	☼	104	37 - 133	10	20
Carbazole	ND		1840	2170		ug/Kg	☼	118	59 - 120	4	20
Chrysene	ND		1840	1870		ug/Kg	☼	102	64 - 120	7	15
Di-n-butyl phthalate	ND		1840	2360		ug/Kg	☼	128	58 - 130	10	15
Di-n-octyl phthalate	ND		1840	1770		ug/Kg	☼	96	57 - 133	0	16
Dibenz(a,h)anthracene	ND		1840	2050		ug/Kg	☼	112	54 - 132	3	15
Dibenzofuran	ND		1840	1950		ug/Kg	☼	106	62 - 120	5	15
Diethyl phthalate	ND		1840	2030		ug/Kg	☼	110	66 - 120	1	15
Dimethyl phthalate	ND		1840	1940		ug/Kg	☼	106	65 - 124	12	15
Fluoranthene	ND	F1	1840	2270	F1	ug/Kg	☼	124	62 - 120	7	15
Fluorene	ND		1840	1940		ug/Kg	☼	106	63 - 120	5	15
Hexachlorobenzene	ND		1840	2040		ug/Kg	☼	111	60 - 120	2	15
Hexachlorobutadiene	ND		1840	1730		ug/Kg	☼	94	45 - 120	7	44
Hexachlorocyclopentadiene	ND		1840	1760		ug/Kg	☼	96	31 - 120	12	49
Hexachloroethane	ND		1840	1660		ug/Kg	☼	90	21 - 120	8	46

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

Lab Sample ID: 480-192295-2 MSD
Matrix: Solid
Analysis Batch: 605158

Client Sample ID: TB-6 4-6'
Prep Type: Total/NA
Prep Batch: 605020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Indeno(1,2,3-cd)pyrene	ND		1840	2010		ug/Kg	☼	110	56 - 134	3	15
Isophorone	ND		1840	1760		ug/Kg	☼	96	56 - 120	3	17
N-Nitrosodi-n-propylamine	ND		1840	1770		ug/Kg	☼	96	46 - 120	4	31
Naphthalene	ND		1840	1720		ug/Kg	☼	94	46 - 120	3	29
Nitrobenzene	ND		1840	1610		ug/Kg	☼	87	49 - 120	17	24
Pentachlorophenol	ND		3680	3860		ug/Kg	☼	105	25 - 136	3	35
Phenanthrene	ND		1840	1930		ug/Kg	☼	105	60 - 122	6	15
Phenol	ND		1840	1770		ug/Kg	☼	96	50 - 120	8	35
Pyrene	ND		1840	1910		ug/Kg	☼	104	61 - 133	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*123*	*S1+*	*54 - 120*
2-Fluorobiphenyl	*98*		*60 - 120*
2-Fluorophenol	*88*		*52 - 120*
Nitrobenzene-d5	*83*		*53 - 120*
p-Terphenyl-d14	*105*		*79 - 130*
Phenol-d5	*101*		*54 - 120*

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

Lab Sample ID: MB 480-604910/1-A
Matrix: Solid
Analysis Batch: 605038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1221	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1232	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1242	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1248	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1254	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1
PCB-1260	ND		0.23		mg/Kg		11/15/21 08:18	11/15/21 18:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*104*		*60 - 154*	*11/15/21 08:18*	*11/15/21 18:36*	*1*
Tetrachloro-m-xylene	*118*		*60 - 154*	*11/15/21 08:18*	*11/15/21 18:36*	*1*
DCB Decachlorobiphenyl	*104*		*65 - 174*	*11/15/21 08:18*	*11/15/21 18:36*	*1*
DCB Decachlorobiphenyl	*130*		*65 - 174*	*11/15/21 08:18*	*11/15/21 18:36*	*1*

Lab Sample ID: LCS 480-604910/2-A
Matrix: Solid
Analysis Batch: 605038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			1.98	2.57		mg/Kg		130	51 - 185		
PCB-1260			1.98	2.76		mg/Kg		139	61 - 184		

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

Lab Sample ID: LCS 480-604910/2-A
Matrix: Solid
Analysis Batch: 605038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604910

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	124		60 - 154
Tetrachloro-m-xylene	139		60 - 154
DCB Decachlorobiphenyl	121		65 - 174
DCB Decachlorobiphenyl	152		65 - 174

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-604965/1-A
Matrix: Solid
Analysis Batch: 605423

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604965

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		9.7		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Antimony	ND		14.5		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Arsenic	ND		1.9		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Barium	ND		0.48		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Beryllium	ND		0.19		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Cadmium	ND		0.19		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Calcium	ND		48.3		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Chromium	ND		0.48		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Cobalt	ND		0.48		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Copper	ND		0.97		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Iron	ND		9.7		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Lead	ND		0.97		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Magnesium	ND		19.3		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Manganese	ND		0.19		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Nickel	ND		4.8		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Potassium	ND		29.0		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Selenium	ND		3.9		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Silver	ND		0.58		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Sodium	ND		135		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Thallium	ND		5.8		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Vanadium	ND		0.48		mg/Kg		11/15/21 17:53	11/16/21 21:35	1
Zinc	ND	^+	1.9		mg/Kg		11/15/21 17:53	11/16/21 21:35	1

Lab Sample ID: LCSSRM 480-604965/2-A
Matrix: Solid
Analysis Batch: 605423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604965

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8130	9203		mg/Kg		113.2	49.9 - 150.1
Antimony	134	98.72		mg/Kg		73.7	19.3 - 250.0
Arsenic	156	139.8		mg/Kg		89.6	69.9 - 130.1
Barium	239	211.5		mg/Kg		88.5	74.9 - 124.7
Beryllium	169	148.3		mg/Kg		87.7	75.1 - 125.4

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

Lab Sample ID: LCSSRM 480-604965/2-A
Matrix: Solid
Analysis Batch: 605423

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604965

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	137	113.4		mg/Kg		82.8	75.2 - 124.8
Calcium	4760	4285		mg/Kg		90.0	72.7 - 127.5
Chromium	154	134.1		mg/Kg		87.1	70.1 - 129.9
Cobalt	121	116.6		mg/Kg		96.4	75.0 - 124.8
Copper	54.9	48.56		mg/Kg		88.5	74.9 - 125.0
Iron	14100	14850		mg/Kg		105.3	34.9 - 164.5
Lead	130	130.7		mg/Kg		100.5	71.8 - 128.5
Magnesium	2320	2149		mg/Kg		92.6	62.1 - 137.9
Manganese	269	241.6		mg/Kg		89.8	74.0 - 126.4
Nickel	58.7	53.63		mg/Kg		91.4	64.2 - 119.3
Potassium	2020	2095		mg/Kg		103.7	58.9 - 141.1
Selenium	167	143.3		mg/Kg		85.8	67.7 - 132.3
Silver	33.6	29.27		mg/Kg		87.1	68.5 - 131.3
Sodium	133	151.9		mg/Kg		114.2	35.0 - 165.4
Thallium	112	113.9		mg/Kg		101.7	67.9 - 131.3
Vanadium	62.6	61.80		mg/Kg		98.7	59.1 - 141.1
Zinc	158	133.9	^+	mg/Kg		84.8	70.3 - 129.7

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-605115/1-A
Matrix: Solid
Analysis Batch: 605254

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.020		mg/Kg		11/16/21 11:30	11/16/21 13:50	1

Lab Sample ID: LCSSRM 480-605115/2-A
Matrix: Solid
Analysis Batch: 605254

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 605115

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	18.95		mg/Kg		69.7	59.9 - 140.1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

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

Lab Sample ID: 480-192295-7 MS
Matrix: Solid
Analysis Batch: 605254

Client Sample ID: TB-12 1-3'
Prep Type: Total/NA
Prep Batch: 605115

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.36		0.390	0.812		mg/Kg	☼	116	80 - 120

Lab Sample ID: 480-192295-7 MSD
Matrix: Solid
Analysis Batch: 605254

Client Sample ID: TB-12 1-3'
Prep Type: Total/NA
Prep Batch: 605115

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.36		0.382	0.763		mg/Kg	☼	106	80 - 120	6	20

GC/MS VOA

Prep Batch: 604862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-1	TB-1 5-7'	Total/NA	Solid	5035A_L	
480-192295-2	TB-6 4-6'	Total/NA	Solid	5035A_L	
480-192295-5	TB-10 8-11.3'	Total/NA	Solid	5035A_L	
480-192295-6	TB-11 10-11.4'	Total/NA	Solid	5035A_L	
480-192295-7	TB-12 1-3'	Total/NA	Solid	5035A_L	
MB 480-604862/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-604862/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 604890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-1	TB-1 5-7'	Total/NA	Solid	8260C	604862
480-192295-2	TB-6 4-6'	Total/NA	Solid	8260C	604862
480-192295-5	TB-10 8-11.3'	Total/NA	Solid	8260C	604862
480-192295-6	TB-11 10-11.4'	Total/NA	Solid	8260C	604862
480-192295-7	TB-12 1-3'	Total/NA	Solid	8260C	604862
MB 480-604862/2-A	Method Blank	Total/NA	Solid	8260C	604862
LCS 480-604862/1-A	Lab Control Sample	Total/NA	Solid	8260C	604862

Prep Batch: 605076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-4	TB-9 1-4'	Total/NA	Solid	5035A_L	
MB 480-605076/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-605076/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Prep Batch: 605077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	5035A_H	
MB 480-605077/2-A	Method Blank	Total/NA	Solid	5035A_H	
LCS 480-605077/1-A	Lab Control Sample	Total/NA	Solid	5035A_H	
LCSD 480-605077/14-A	Lab Control Sample Dup	Total/NA	Solid	5035A_H	

Analysis Batch: 605079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-4	TB-9 1-4'	Total/NA	Solid	8260C	605076
MB 480-605076/2-A	Method Blank	Total/NA	Solid	8260C	605076
LCS 480-605076/1-A	Lab Control Sample	Total/NA	Solid	8260C	605076

Analysis Batch: 605141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	8260C	605077
MB 480-605077/2-A	Method Blank	Total/NA	Solid	8260C	605077
LCS 480-605077/1-A	Lab Control Sample	Total/NA	Solid	8260C	605077
LCSD 480-605077/14-A	Lab Control Sample Dup	Total/NA	Solid	8260C	605077

GC/MS Semi VOA

Prep Batch: 605020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-1	TB-1 5-7'	Total/NA	Solid	3550C	
480-192295-2	TB-6 4-6'	Total/NA	Solid	3550C	
480-192295-3	TB-7 6-8'	Total/NA	Solid	3550C	

GC/MS Semi VOA (Continued)

Prep Batch: 605020 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-4	TB-9 1-4'	Total/NA	Solid	3550C	
480-192295-5	TB-10 8-11.3'	Total/NA	Solid	3550C	
480-192295-6	TB-11 10-11.4'	Total/NA	Solid	3550C	
480-192295-7	TB-12 1-3'	Total/NA	Solid	3550C	
MB 480-605020/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-605020/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-192295-2 MS	TB-6 4-6'	Total/NA	Solid	3550C	
480-192295-2 MSD	TB-6 4-6'	Total/NA	Solid	3550C	

Analysis Batch: 605158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-1	TB-1 5-7'	Total/NA	Solid	8270D	605020
480-192295-2	TB-6 4-6'	Total/NA	Solid	8270D	605020
480-192295-4	TB-9 1-4'	Total/NA	Solid	8270D	605020
480-192295-5	TB-10 8-11.3'	Total/NA	Solid	8270D	605020
480-192295-6	TB-11 10-11.4'	Total/NA	Solid	8270D	605020
480-192295-7	TB-12 1-3'	Total/NA	Solid	8270D	605020
MB 480-605020/1-A	Method Blank	Total/NA	Solid	8270D	605020
LCS 480-605020/2-A	Lab Control Sample	Total/NA	Solid	8270D	605020
480-192295-2 MS	TB-6 4-6'	Total/NA	Solid	8270D	605020
480-192295-2 MSD	TB-6 4-6'	Total/NA	Solid	8270D	605020

Analysis Batch: 605534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	8270D	605020

GC Semi VOA

Prep Batch: 604910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	3550C	
480-192295-4	TB-9 1-4'	Total/NA	Solid	3550C	
480-192295-7	TB-12 1-3'	Total/NA	Solid	3550C	
MB 480-604910/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-604910/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 605038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	8082A	604910
480-192295-4	TB-9 1-4'	Total/NA	Solid	8082A	604910
480-192295-7	TB-12 1-3'	Total/NA	Solid	8082A	604910
MB 480-604910/1-A	Method Blank	Total/NA	Solid	8082A	604910
LCS 480-604910/2-A	Lab Control Sample	Total/NA	Solid	8082A	604910

Metals

Prep Batch: 604965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	3050B	
480-192295-4	TB-9 1-4'	Total/NA	Solid	3050B	
480-192295-7	TB-12 1-3'	Total/NA	Solid	3050B	
MB 480-604965/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 604965 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-604965/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 605115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	7471B	
480-192295-4	TB-9 1-4'	Total/NA	Solid	7471B	
480-192295-7	TB-12 1-3'	Total/NA	Solid	7471B	
MB 480-605115/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-605115/2-A	Lab Control Sample	Total/NA	Solid	7471B	
480-192295-7 MS	TB-12 1-3'	Total/NA	Solid	7471B	
480-192295-7 MSD	TB-12 1-3'	Total/NA	Solid	7471B	

Analysis Batch: 605254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	7471B	605115
480-192295-4	TB-9 1-4'	Total/NA	Solid	7471B	605115
480-192295-7	TB-12 1-3'	Total/NA	Solid	7471B	605115
MB 480-605115/1-A	Method Blank	Total/NA	Solid	7471B	605115
LCSSRM 480-605115/2-A	Lab Control Sample	Total/NA	Solid	7471B	605115
480-192295-7 MS	TB-12 1-3'	Total/NA	Solid	7471B	605115
480-192295-7 MSD	TB-12 1-3'	Total/NA	Solid	7471B	605115

Analysis Batch: 605423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	6010C	604965
480-192295-4	TB-9 1-4'	Total/NA	Solid	6010C	604965
480-192295-7	TB-12 1-3'	Total/NA	Solid	6010C	604965
MB 480-604965/1-A	Method Blank	Total/NA	Solid	6010C	604965
LCSSRM 480-604965/2-A	Lab Control Sample	Total/NA	Solid	6010C	604965

General Chemistry

Analysis Batch: 604738

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-1	TB-1 5-7'	Total/NA	Solid	Moisture	
480-192295-2	TB-6 4-6'	Total/NA	Solid	Moisture	
480-192295-4	TB-9 1-4'	Total/NA	Solid	Moisture	
480-192295-5	TB-10 8-11.3'	Total/NA	Solid	Moisture	
480-192295-6	TB-11 10-11.4'	Total/NA	Solid	Moisture	
480-192295-7	TB-12 1-3'	Total/NA	Solid	Moisture	

Analysis Batch: 606142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192295-3	TB-7 6-8'	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-1 5-7'
Date Collected: 11/08/21 09:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-1 5-7'
Date Collected: 11/08/21 09:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-1
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			604862	11/14/21 17:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	604890	11/15/21 10:41	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		1	605158	11/16/21 14:48	JMM	TAL BUF

Client Sample ID: TB-6 4-6'
Date Collected: 11/09/21 08:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-6 4-6'
Date Collected: 11/09/21 08:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-2
Matrix: Solid
Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			604862	11/14/21 17:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	604890	11/15/21 11:06	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		1	605158	11/16/21 12:47	JMM	TAL BUF

Client Sample ID: TB-7 6-8'
Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	606142	11/22/21 19:05	CDC	TAL BUF

Client Sample ID: TB-7 6-8'
Date Collected: 11/08/21 14:20
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-3
Matrix: Solid
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_H			605077	11/15/21 20:50	CDC	TAL BUF
Total/NA	Analysis	8260C		4	605141	11/16/21 16:54	CRL	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		5	605534	11/18/21 16:51	JMM	TAL BUF

Client Sample ID: TB-7 6-8'

Lab Sample ID: 480-192295-3
Date Collected: 11/08/21 14:20
Matrix: Solid
Date Received: 11/11/21 10:00
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			604910	11/15/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	605038	11/15/21 21:11	NC	TAL BUF
Total/NA	Prep	3050B			604965	11/15/21 17:53	KMP	TAL BUF
Total/NA	Analysis	6010C		1	605423	11/16/21 22:29	LMH	TAL BUF
Total/NA	Prep	7471B			605115	11/16/21 11:30	NVK	TAL BUF
Total/NA	Analysis	7471B		1	605254	11/16/21 13:57	LMH	TAL BUF

Client Sample ID: TB-9 1-4'

Lab Sample ID: 480-192295-4
Date Collected: 11/09/21 09:50
Matrix: Solid
Date Received: 11/11/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-9 1-4'

Lab Sample ID: 480-192295-4
Date Collected: 11/09/21 09:50
Matrix: Solid
Date Received: 11/11/21 10:00
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			605076	11/15/21 19:36	CDC	TAL BUF
Total/NA	Analysis	8260C		1	605079	11/16/21 10:18	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		10	605158	11/16/21 15:36	JMM	TAL BUF
Total/NA	Prep	3550C			604910	11/15/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	605038	11/15/21 21:23	NC	TAL BUF
Total/NA	Prep	3050B			604965	11/15/21 17:53	KMP	TAL BUF
Total/NA	Analysis	6010C		1	605423	11/16/21 22:33	LMH	TAL BUF
Total/NA	Prep	7471B			605115	11/16/21 11:30	NVK	TAL BUF
Total/NA	Analysis	7471B		1	605254	11/16/21 13:58	LMH	TAL BUF

Client Sample ID: TB-10 8-11.3'

Lab Sample ID: 480-192295-5
Date Collected: 11/09/21 10:15
Matrix: Solid
Date Received: 11/11/21 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-10 8-11.3'

Lab Sample ID: 480-192295-5
Date Collected: 11/09/21 10:15
Matrix: Solid
Date Received: 11/11/21 10:00
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			604862	11/14/21 17:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	604890	11/15/21 12:19	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		5	605158	11/16/21 16:00	JMM	TAL BUF

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Client Sample ID: TB-11 10-11.4'
Date Collected: 11/09/21 10:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-11 10-11.4'
Date Collected: 11/09/21 10:55
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-6
Matrix: Solid
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			604862	11/14/21 17:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	604890	11/15/21 12:44	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		1	605158	11/16/21 16:24	JMM	TAL BUF

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	604738	11/12/21 16:02	JMM	TAL BUF

Client Sample ID: TB-12 1-3'
Date Collected: 11/09/21 11:45
Date Received: 11/11/21 10:00

Lab Sample ID: 480-192295-7
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			604862	11/14/21 17:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	604890	11/15/21 13:08	CDC	TAL BUF
Total/NA	Prep	3550C			605020	11/15/21 14:39	ADH	TAL BUF
Total/NA	Analysis	8270D		5	605158	11/16/21 16:48	JMM	TAL BUF
Total/NA	Prep	3550C			604910	11/15/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	605038	11/15/21 21:36	NC	TAL BUF
Total/NA	Prep	3050B			604965	11/15/21 17:53	KMP	TAL BUF
Total/NA	Analysis	6010C		1	605423	11/16/21 22:36	LMH	TAL BUF
Total/NA	Prep	7471B			605115	11/16/21 11:30	NVK	TAL BUF
Total/NA	Analysis	7471B		1	605254	11/16/21 13:59	LMH	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Corp. Job ID: 480-192295-1
Project/Site: Los Flamboyanes Phase II ESA

Laboratory: Eurofins TestAmerica, Buffalo

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

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

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

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

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_H	Closed System Purge and Trap	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192295-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192295-1	TB-1 5-7'	Solid	11/08/21 09:55	11/11/21 10:00
480-192295-2	TB-6 4-6'	Solid	11/09/21 08:45	11/11/21 10:00
480-192295-3	TB-7 6-8'	Solid	11/08/21 14:20	11/11/21 10:00
480-192295-4	TB-9 1-4'	Solid	11/09/21 09:50	11/11/21 10:00
480-192295-5	TB-10 8-11.3'	Solid	11/09/21 10:15	11/11/21 10:00
480-192295-6	TB-11 10-11.4'	Solid	11/09/21 10:55	11/11/21 10:00
480-192295-7	TB-12 1-3'	Solid	11/09/21 11:45	11/11/21 10:00

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Steven Rife SR	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-167394-36671.1
Client Contact: Mrs. Katherine Nelson	Phone: (585) 363-0365	E-Mail: Ryan.VanDette@Eurofinset.com	State of Origin: NY	Page: Page 1 of 2 1 OF 1
Company: Stantec Consulting Corp.	PWSID:			Job #: 21341407 7
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard TAT			
State, Zip: NY, 14614	Compliance Project: Δ Yes Δ No			
Phone: 585-413-5310(Tel)	PO #: Purchase Order Requested			
Email: katie.nelson@stantec.com ; steven.rife@stantec.com	WO #:			
Project Name: Los Flamboyanes Phase II ESA	Project #: 48024519			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOA - OLM04.2	8260C - TCL + CP-51 List - VOCs	6010C, 7471B	8082A - TCL PCBs - OLM04.2	8260C - TCL + CP-51 List - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	N	N	N	A	X	
TB-1 5'-7'	11/8/21	0955	G	Solid	N	N	X	X					
TB-6 4'-6'	11/9/21	0845	G	Solid			X	X					
TB-7 6'-8'	11/8/21	1420	G	Solid			X	X	X	X			
TB-9 1'-4'	11/9/21	0950	G	Solid			X	X	X	X			
TB-10 8'-11.3'	11/9/21	1015	G	Solid			X	X					
TB-11 10'-11.4'	11/9/21	1055	G	Solid			X	X					
TB-12 1'-3'	11/9/21	1145	G	Solid			X	X	X	X			
				Solid									
				Solid									
				Solid									
				Solid									

480-192295 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Date/Time	Company		Date/Time	Company
Relinquished by: Steven Rife SR	11/10/2021 1900	Stantec	Received by: FedEX	11/10/2021 1900	FedEX
Relinquished by:	Date/Time:	Company	Received by: [illegible]	11/11/21 1000	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: 1770579

Cooler Temperature(s) °C and Other Remarks: 2.9 # ICE

Ver: 06/08/2021

11/29/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Corp. Job Number: 480-192295-1

Login Number: 192295 **List Source: Eurofins TestAmerica, Buffalo**
List Number: 1
Creator: Kolb, Chris M

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 480-192876-1
Client Project/Site: Los Flamboyanes Phase II ESA

For:
Stantec Consulting Corp.
61 Commercial Street
Rochester, New York 14614

Attn: Mrs. Katherine Nelson

Authorized for release by:
12/13/2021 11:20:21 AM

Ryan VanDette, Project Manager II
(716)504-9830
Ryan.VanDette@Eurofinset.com

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
E	Result exceeded calibration range.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

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

Job ID: 480-192876-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-192876-1

Comments
No additional comments.

Receipt
The samples were received on 11/30/2021 10:30 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.7º C.

GC/MS VOA
Method 8260C: The continuing calibration verification (CCV) associated with batch 480-607603 recovered above the upper control limit for Carbon disulfide and Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-4 (480-192876-1), MW-5 (480-192876-2), MW-8 (480-192876-3), MW-14 (480-192876-4) and TRIP BLANK 2 (480-192876-5).

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

GC/MS Semi VOA
Method 8270D: The continuing calibration verification (CCV) associated with batch 480-607376 recovered above the upper control limit for Atrazine, Hexachlorobutadiene and Hexachlorocyclopentadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: MW-4 (480-192876-1), MW-5 (480-192876-2), MW-8 (480-192876-3) and MW-14 (480-192876-4).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-607376 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-607188 and analytical batch 480-607376 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-607188 and analytical batch 480-607376 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol and 2-Fluorobiphenyl. This surrogate is biased high and no detections were found for associated analytes in the following affected samples: MW-4 (480-192876-1), MW-5 (480-192876-2), MW-8 (480-192876-3) and MW-14 (480-192876-4). Therefore, the data has been reported. MW-4 (480-192876-1), MW-5 (480-192876-2), MW-8 (480-192876-3) and MW-14 (480-192876-4)

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-8 (480-192876-3) and MW-14 (480-192876-4). These results have been reported and qualified.

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Atrazine. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-607188 and analytical batch 480-607376 recovered within acceptable limits for this analyte and has been qualified with an "E" flag. (LCS 480-607188/2-A) and (LCSD 480-607188/3-A)

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

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-607188.

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

Detection Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-4 — Lab Sample ID: 480-192876-1

No Detections.

Client Sample ID: MW-5 — Lab Sample ID: 480-192876-2

No Detections.

Client Sample ID: MW-8 — Lab Sample ID: 480-192876-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3.1		1.0		ug/L	1		8260C	Total/NA

Client Sample ID: MW-14 — Lab Sample ID: 480-192876-4

No Detections.

Client Sample ID: TRIP BLANK 2 — Lab Sample ID: 480-192876-5

No Detections.

This Detection Summary does not include radiochemical test results.

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-4
Date Collected: 11/29/21 11:20
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 11:27	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 11:27	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 11:27	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 11:27	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:27	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 11:27	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 11:27	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:27	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:27	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 11:27	1
2-Hexanone	ND		5.0		ug/L			12/04/21 11:27	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 11:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 11:27	1
Acetone	ND		10		ug/L			12/04/21 11:27	1
Benzene	ND		1.0		ug/L			12/04/21 11:27	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 11:27	1
Bromoform	ND		1.0		ug/L			12/04/21 11:27	1
Bromomethane	ND		1.0		ug/L			12/04/21 11:27	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 11:27	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 11:27	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 11:27	1
Chloroethane	ND		1.0		ug/L			12/04/21 11:27	1
Chloroform	ND		1.0		ug/L			12/04/21 11:27	1
Chloromethane	ND		1.0		ug/L			12/04/21 11:27	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 11:27	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 11:27	1
Cyclohexane	ND		1.0		ug/L			12/04/21 11:27	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 11:27	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 11:27	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 11:27	1
Methyl acetate	ND		2.5		ug/L			12/04/21 11:27	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 11:27	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 11:27	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 11:27	1
Naphthalene	ND		1.0		ug/L			12/04/21 11:27	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
o-Xylene	ND		1.0		ug/L			12/04/21 11:27	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
Styrene	ND		1.0		ug/L			12/04/21 11:27	1

Client Sample ID: MW-4
Date Collected: 11/29/21 11:20
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 11:27	1
Tetrachloroethene	ND		1.0		ug/L			12/04/21 11:27	1
Toluene	ND		1.0		ug/L			12/04/21 11:27	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 11:27	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 11:27	1
Trichloroethene	ND		1.0		ug/L			12/04/21 11:27	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 11:27	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 11:27	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 11:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*12/04/21 11:27*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/04/21 11:27*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/04/21 11:27*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/04/21 11:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
bis (2-chloroisopropyl) ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4,5-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4,6-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4-Dichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4-Dimethylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4-Dinitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,4-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2,6-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Chloronaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Chlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Methylnaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
2-Nitrophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
3,3'-Dichlorobenzidine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
3-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
4,6-Dinitro-2-methylphenol	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Bromophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Chloro-3-methylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Chloroaniline	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Chlorophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Nitroaniline	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 18:36	1
4-Nitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
Acenaphthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Acenaphthylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Acetophenone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Anthracene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Atrazine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Benzaldehyde	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Benzo(a)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-4
Date Collected: 11/29/21 11:20
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Benzo(g,h,i) perylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Bis(2-chloroethoxy)methane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Bis(2-chloroethyl)ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Bis(2-ethylhexyl) phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Butyl benzyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Caprolactam	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Carbazole	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Chrysene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Di-n-butyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Di-n-octyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Dibenzofuran	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 18:36	1
Diethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Dimethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Fluoranthene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Fluorene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Hexachlorobenzene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Hexachlorobutadiene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Hexachlorocyclopentadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Hexachloroethane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Indeno(1,2,3-cd)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Isophorone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
N-Nitrosodi-n-propylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
N-Nitrosodiphenylamine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Naphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Nitrobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Pentachlorophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 18:36	1
Phenanthrene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Phenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1
Pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*102*		*41 - 120*	*12/01/21 09:25*	*12/02/21 18:36*	*1*
2-Fluorobiphenyl	*112*		*48 - 120*	*12/01/21 09:25*	*12/02/21 18:36*	*1*
2-Fluorophenol	*72*		*35 - 120*	*12/01/21 09:25*	*12/02/21 18:36*	*1*
Nitrobenzene-d5	*91*		*46 - 120*	*12/01/21 09:25*	*12/02/21 18:36*	*1*
p-Terphenyl-d14	*92*		*60 - 148*	*12/01/21 09:25*	*12/02/21 18:36*	*1*
Phenol-d5	*48*		*22 - 120*	*12/01/21 09:25*	*12/02/21 18:36*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-5
Date Collected: 11/29/21 11:30
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 11:50	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 11:50	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 11:50	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 11:50	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:50	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 11:50	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 11:50	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:50	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 11:50	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 11:50	1
2-Hexanone	ND		5.0		ug/L			12/04/21 11:50	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 11:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 11:50	1
Acetone	ND		10		ug/L			12/04/21 11:50	1
Benzene	ND		1.0		ug/L			12/04/21 11:50	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 11:50	1
Bromoform	ND		1.0		ug/L			12/04/21 11:50	1
Bromomethane	ND		1.0		ug/L			12/04/21 11:50	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 11:50	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 11:50	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 11:50	1
Chloroethane	ND		1.0		ug/L			12/04/21 11:50	1
Chloroform	ND		1.0		ug/L			12/04/21 11:50	1
Chloromethane	ND		1.0		ug/L			12/04/21 11:50	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 11:50	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 11:50	1
Cyclohexane	ND		1.0		ug/L			12/04/21 11:50	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 11:50	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 11:50	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 11:50	1
Methyl acetate	ND		2.5		ug/L			12/04/21 11:50	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 11:50	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 11:50	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 11:50	1
Naphthalene	ND		1.0		ug/L			12/04/21 11:50	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
o-Xylene	ND		1.0		ug/L			12/04/21 11:50	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
Styrene	ND		1.0		ug/L			12/04/21 11:50	1

Client Sample ID: MW-5
Date Collected: 11/29/21 11:30
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 11:50	1
Tetrachloroethene	ND		1.0		ug/L			12/04/21 11:50	1
Toluene	ND		1.0		ug/L			12/04/21 11:50	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 11:50	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 11:50	1
Trichloroethene	ND		1.0		ug/L			12/04/21 11:50	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 11:50	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 11:50	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 11:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*12/04/21 11:50*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*12/04/21 11:50*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*12/04/21 11:50*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/04/21 11:50*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
bis (2-chloroisopropyl) ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4,5-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4,6-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4-Dichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4-Dimethylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4-Dinitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,4-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2,6-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Chloronaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Chlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Methylnaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
2-Nitrophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
3,3'-Dichlorobenzidine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
3-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
4,6-Dinitro-2-methylphenol	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Bromophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Chloro-3-methylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Chloroaniline	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Chlorophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Nitroaniline	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:03	1
4-Nitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
Acenaphthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Acenaphthylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Acetophenone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Anthracene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Atrazine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Benzaldehyde	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Benzo(a)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-5
Date Collected: 11/29/21 11:30
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Benzo(g,h,i) perylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Bis(2-chloroethoxy)methane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Bis(2-chloroethyl)ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Bis(2-ethylhexyl) phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Butyl benzyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Caprolactam	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Carbazole	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Chrysene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Di-n-butyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Di-n-octyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Dibenzofuran	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:03	1
Diethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Dimethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Fluoranthene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Fluorene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Hexachlorobenzene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Hexachlorobutadiene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Hexachlorocyclopentadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Hexachloroethane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Indeno(1,2,3-cd)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Isophorone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
N-Nitrosodi-n-propylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
N-Nitrosodiphenylamine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Naphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Nitrobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Pentachlorophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:03	1
Phenanthrene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Phenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1
Pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*41 - 120*	*12/01/21 09:25*	*12/02/21 19:03*	*1*
2-Fluorobiphenyl	*108*		*48 - 120*	*12/01/21 09:25*	*12/02/21 19:03*	*1*
2-Fluorophenol	*68*		*35 - 120*	*12/01/21 09:25*	*12/02/21 19:03*	*1*
Nitrobenzene-d5	*91*		*46 - 120*	*12/01/21 09:25*	*12/02/21 19:03*	*1*
p-Terphenyl-d14	*88*		*60 - 148*	*12/01/21 09:25*	*12/02/21 19:03*	*1*
Phenol-d5	*45*		*22 - 120*	*12/01/21 09:25*	*12/02/21 19:03*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-8
Date Collected: 11/29/21 11:45
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 12:13	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 12:13	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 12:13	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 12:13	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:13	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 12:13	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 12:13	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:13	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:13	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 12:13	1
2-Hexanone	ND		5.0		ug/L			12/04/21 12:13	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 12:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 12:13	1
Acetone	ND		10		ug/L			12/04/21 12:13	1
Benzene	ND		1.0		ug/L			12/04/21 12:13	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 12:13	1
Bromoform	ND		1.0		ug/L			12/04/21 12:13	1
Bromomethane	ND		1.0		ug/L			12/04/21 12:13	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 12:13	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 12:13	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 12:13	1
Chloroethane	ND		1.0		ug/L			12/04/21 12:13	1
Chloroform	ND		1.0		ug/L			12/04/21 12:13	1
Chloromethane	ND		1.0		ug/L			12/04/21 12:13	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:13	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:13	1
Cyclohexane	ND		1.0		ug/L			12/04/21 12:13	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 12:13	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 12:13	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 12:13	1
Methyl acetate	ND		2.5		ug/L			12/04/21 12:13	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 12:13	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 12:13	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 12:13	1
Naphthalene	ND		1.0		ug/L			12/04/21 12:13	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
o-Xylene	ND		1.0		ug/L			12/04/21 12:13	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
Styrene	ND		1.0		ug/L			12/04/21 12:13	1

Client Sample ID: MW-8
Date Collected: 11/29/21 11:45
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 12:13	1
Tetrachloroethene	**3.1**		1.0		ug/L			12/04/21 12:13	1
Toluene	ND		1.0		ug/L			12/04/21 12:13	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:13	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:13	1
Trichloroethene	ND		1.0		ug/L			12/04/21 12:13	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 12:13	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 12:13	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 12:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/04/21 12:13*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/04/21 12:13*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*12/04/21 12:13*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/04/21 12:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
bis (2-chloroisopropyl) ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4,5-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4,6-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4-Dichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4-Dimethylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4-Dinitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,4-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2,6-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Chloronaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Chlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Methylnaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
2-Nitrophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
3,3'-Dichlorobenzidine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
3-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
4,6-Dinitro-2-methylphenol	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Bromophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Chloro-3-methylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Chloroaniline	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Chlorophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Nitroaniline	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:30	1
4-Nitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
Acenaphthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Acenaphthylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Acetophenone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Anthracene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Atrazine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Benzaldehyde	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Benzo(a)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-8
Date Collected: 11/29/21 11:45
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Benzo(g,h,i) perylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Bis(2-chloroethoxy)methane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Bis(2-chloroethyl)ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Bis(2-ethylhexyl) phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Butyl benzyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Caprolactam	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Carbazole	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Chrysene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Di-n-butyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Di-n-octyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Dibenzofuran	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:30	1
Diethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Dimethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Fluoranthene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Fluorene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Hexachlorobenzene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Hexachlorobutadiene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Hexachlorocyclopentadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Hexachloroethane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Indeno(1,2,3-cd)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Isophorone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
N-Nitrosodi-n-propylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
N-Nitrosodiphenylamine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Naphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Nitrobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Pentachlorophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:30	1
Phenanthrene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Phenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1
Pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*41 - 120*	*12/01/21 09:25*	*12/02/21 19:30*	*1*
2-Fluorobiphenyl	*123*	*S1+*	*48 - 120*	*12/01/21 09:25*	*12/02/21 19:30*	*1*
2-Fluorophenol	*78*		*35 - 120*	*12/01/21 09:25*	*12/02/21 19:30*	*1*
Nitrobenzene-d5	*106*		*46 - 120*	*12/01/21 09:25*	*12/02/21 19:30*	*1*
p-Terphenyl-d14	*111*		*60 - 148*	*12/01/21 09:25*	*12/02/21 19:30*	*1*
Phenol-d5	*52*		*22 - 120*	*12/01/21 09:25*	*12/02/21 19:30*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-14
Date Collected: 11/29/21 11:55
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 12:36	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 12:36	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 12:36	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 12:36	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:36	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 12:36	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 12:36	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:36	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:36	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 12:36	1
2-Hexanone	ND		5.0		ug/L			12/04/21 12:36	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 12:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 12:36	1
Acetone	ND		10		ug/L			12/04/21 12:36	1
Benzene	ND		1.0		ug/L			12/04/21 12:36	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 12:36	1
Bromoform	ND		1.0		ug/L			12/04/21 12:36	1
Bromomethane	ND		1.0		ug/L			12/04/21 12:36	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 12:36	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 12:36	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 12:36	1
Chloroethane	ND		1.0		ug/L			12/04/21 12:36	1
Chloroform	ND		1.0		ug/L			12/04/21 12:36	1
Chloromethane	ND		1.0		ug/L			12/04/21 12:36	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:36	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:36	1
Cyclohexane	ND		1.0		ug/L			12/04/21 12:36	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 12:36	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 12:36	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 12:36	1
Methyl acetate	ND		2.5		ug/L			12/04/21 12:36	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 12:36	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 12:36	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 12:36	1
Naphthalene	ND		1.0		ug/L			12/04/21 12:36	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
o-Xylene	ND		1.0		ug/L			12/04/21 12:36	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
Styrene	ND		1.0		ug/L			12/04/21 12:36	1

Client Sample ID: MW-14
Date Collected: 11/29/21 11:55
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 12:36	1
Tetrachloroethene	ND		1.0		ug/L			12/04/21 12:36	1
Toluene	ND		1.0		ug/L			12/04/21 12:36	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:36	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:36	1
Trichloroethene	ND		1.0		ug/L			12/04/21 12:36	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 12:36	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 12:36	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*77 - 120*		*12/04/21 12:36*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*12/04/21 12:36*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*12/04/21 12:36*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/04/21 12:36*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
bis (2-chloroisopropyl) ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4,5-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4,6-Trichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4-Dichlorophenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4-Dimethylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4-Dinitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,4-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2,6-Dinitrotoluene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Chloronaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Chlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Methylnaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
2-Nitrophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
3,3'-Dichlorobenzidine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
3-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
4,6-Dinitro-2-methylphenol	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Bromophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Chloro-3-methylphenol	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Chloroaniline	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Chlorophenyl phenyl ether	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Nitroaniline	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:58	1
4-Nitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
Acenaphthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Acenaphthylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Acetophenone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Anthracene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Atrazine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Benzaldehyde	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Benzo(a)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-14
Date Collected: 11/29/21 11:55
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Benzo(g,h,i) perylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Bis(2-chloroethoxy)methane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Bis(2-chloroethyl)ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Bis(2-ethylhexyl) phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Butyl benzyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Caprolactam	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Carbazole	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Chrysene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Di-n-butyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Di-n-octyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Dibenzofuran	ND	*+	10		ug/L		12/01/21 09:25	12/02/21 19:58	1
Diethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Dimethyl phthalate	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Fluoranthene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Fluorene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Hexachlorobenzene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Hexachlorobutadiene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Hexachlorocyclopentadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Hexachloroethane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Indeno(1,2,3-cd)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Isophorone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
N-Nitrosodi-n-propylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
N-Nitrosodiphenylamine	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Naphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Nitrobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Pentachlorophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 19:58	1
Phenanthrene	ND	*+	5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Phenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1
Pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*115*		*41 - 120*	*12/01/21 09:25*	*12/02/21 19:58*	*1*
2-Fluorobiphenyl	*121*	*S1+*	*48 - 120*	*12/01/21 09:25*	*12/02/21 19:58*	*1*
2-Fluorophenol	*80*		*35 - 120*	*12/01/21 09:25*	*12/02/21 19:58*	*1*
Nitrobenzene-d5	*101*		*46 - 120*	*12/01/21 09:25*	*12/02/21 19:58*	*1*
p-Terphenyl-d14	*98*		*60 - 148*	*12/01/21 09:25*	*12/02/21 19:58*	*1*
Phenol-d5	*54*		*22 - 120*	*12/01/21 09:25*	*12/02/21 19:58*	*1*

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: TRIP BLANK 2
Date Collected: 11/29/21 00:00
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 12:59	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 12:59	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 12:59	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 12:59	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:59	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 12:59	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 12:59	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:59	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 12:59	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 12:59	1
2-Hexanone	ND		5.0		ug/L			12/04/21 12:59	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 12:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 12:59	1
Acetone	ND		10		ug/L			12/04/21 12:59	1
Benzene	ND		1.0		ug/L			12/04/21 12:59	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 12:59	1
Bromoform	ND		1.0		ug/L			12/04/21 12:59	1
Bromomethane	ND		1.0		ug/L			12/04/21 12:59	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 12:59	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 12:59	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 12:59	1
Chloroethane	ND		1.0		ug/L			12/04/21 12:59	1
Chloroform	ND		1.0		ug/L			12/04/21 12:59	1
Chloromethane	ND		1.0		ug/L			12/04/21 12:59	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:59	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:59	1
Cyclohexane	ND		1.0		ug/L			12/04/21 12:59	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 12:59	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 12:59	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 12:59	1
Methyl acetate	ND		2.5		ug/L			12/04/21 12:59	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 12:59	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 12:59	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 12:59	1
Naphthalene	ND		1.0		ug/L			12/04/21 12:59	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
o-Xylene	ND		1.0		ug/L			12/04/21 12:59	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
Styrene	ND		1.0		ug/L			12/04/21 12:59	1

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: TRIP BLANK 2
Date Collected: 11/29/21 00:00
Date Received: 11/30/21 10:30

Lab Sample ID: 480-192876-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 12:59	1
Tetrachloroethene	ND		1.0		ug/L			12/04/21 12:59	1
Toluene	ND		1.0		ug/L			12/04/21 12:59	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 12:59	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 12:59	1
Trichloroethene	ND		1.0		ug/L			12/04/21 12:59	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 12:59	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 12:59	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*12/04/21 12:59*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/04/21 12:59*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*12/04/21 12:59*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*12/04/21 12:59*	*1*

Surrogate Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(77-120)	(73-120)	(75-123)	(80-120)
480-192876-1	MW-4	102	103	107	98
480-192876-2	MW-5	104	103	107	97
480-192876-3	MW-8	98	100	105	94
480-192876-4	MW-14	94	101	101	98
480-192876-5	TRIP BLANK 2	98	100	102	94
LCS 480-607603/4	Lab Control Sample	96	105	104	101
MB 480-607603/6	Method Blank	95	100	103	97

Surrogate Legend

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

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(60-148)	(22-120)
480-192876-1	MW-4	102	112	72	91	92	48
480-192876-2	MW-5	101	108	68	91	88	45
480-192876-3	MW-8	97	123 S1+	78	106	111	52
480-192876-4	MW-14	115	121 S1+	80	101	98	54
LCS 480-607188/2-A	Lab Control Sample	119	118	76	107	112	55
LCSD 480-607188/3-A	Lab Control Sample Dup	130 S1+	122 S1+	80	113	117	56
MB 480-607188/1-A	Method Blank	81	117	79	96	121	55

Surrogate Legend

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

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

Lab Sample ID: MB 480-607603/6
Matrix: Water
Analysis Batch: 607603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,1,2,2-Tetrachloroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,1,2-Trichloroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,1-Dichloroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,1-Dichloroethene	ND		1.0		ug/L			12/04/21 10:55	1
1,2,4-Trichlorobenzene	ND		1.0		ug/L			12/04/21 10:55	1
1,2,4-Trimethylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0		ug/L			12/04/21 10:55	1
1,2-Dibromoethane	ND		1.0		ug/L			12/04/21 10:55	1
1,2-Dichlorobenzene	ND		1.0		ug/L			12/04/21 10:55	1
1,2-Dichloroethane	ND		1.0		ug/L			12/04/21 10:55	1
1,2-Dichloropropane	ND		1.0		ug/L			12/04/21 10:55	1
1,3,5-Trimethylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
1,3-Dichlorobenzene	ND		1.0		ug/L			12/04/21 10:55	1
1,4-Dichlorobenzene	ND		1.0		ug/L			12/04/21 10:55	1
2-Butanone (MEK)	ND		10		ug/L			12/04/21 10:55	1
2-Hexanone	ND		5.0		ug/L			12/04/21 10:55	1
4-Isopropyltoluene	ND		1.0		ug/L			12/04/21 10:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0		ug/L			12/04/21 10:55	1
Acetone	ND		10		ug/L			12/04/21 10:55	1
Benzene	ND		1.0		ug/L			12/04/21 10:55	1
Bromodichloromethane	ND		1.0		ug/L			12/04/21 10:55	1
Bromoform	ND		1.0		ug/L			12/04/21 10:55	1
Bromomethane	ND		1.0		ug/L			12/04/21 10:55	1
Carbon disulfide	ND		1.0		ug/L			12/04/21 10:55	1
Carbon tetrachloride	ND		1.0		ug/L			12/04/21 10:55	1
Chlorobenzene	ND		1.0		ug/L			12/04/21 10:55	1
Chloroethane	ND		1.0		ug/L			12/04/21 10:55	1
Chloroform	ND		1.0		ug/L			12/04/21 10:55	1
Chloromethane	ND		1.0		ug/L			12/04/21 10:55	1
cis-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 10:55	1
cis-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 10:55	1
Cyclohexane	ND		1.0		ug/L			12/04/21 10:55	1
Dibromochloromethane	ND		1.0		ug/L			12/04/21 10:55	1
Dichlorodifluoromethane	ND		1.0		ug/L			12/04/21 10:55	1
Ethylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
Isopropylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
m,p-Xylene	ND		2.0		ug/L			12/04/21 10:55	1
Methyl acetate	ND		2.5		ug/L			12/04/21 10:55	1
Methyl tert-butyl ether	ND		1.0		ug/L			12/04/21 10:55	1
Methylcyclohexane	ND		1.0		ug/L			12/04/21 10:55	1
Methylene Chloride	ND		1.0		ug/L			12/04/21 10:55	1
Naphthalene	ND		1.0		ug/L			12/04/21 10:55	1
n-Butylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
N-Propylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
o-Xylene	ND		1.0		ug/L			12/04/21 10:55	1
sec-Butylbenzene	ND		1.0		ug/L			12/04/21 10:55	1

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

Lab Sample ID: MB 480-607603/6
Matrix: Water
Analysis Batch: 607603

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		1.0		ug/L			12/04/21 10:55	1
tert-Butylbenzene	ND		1.0		ug/L			12/04/21 10:55	1
Tetrachloroethene	ND		1.0		ug/L			12/04/21 10:55	1
Toluene	ND		1.0		ug/L			12/04/21 10:55	1
trans-1,2-Dichloroethene	ND		1.0		ug/L			12/04/21 10:55	1
trans-1,3-Dichloropropene	ND		1.0		ug/L			12/04/21 10:55	1
Trichloroethene	ND		1.0		ug/L			12/04/21 10:55	1
Trichlorofluoromethane	ND		1.0		ug/L			12/04/21 10:55	1
Vinyl chloride	ND		1.0		ug/L			12/04/21 10:55	1
Xylenes, Total	ND		2.0		ug/L			12/04/21 10:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*12/04/21 10:55*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*12/04/21 10:55*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*12/04/21 10:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*12/04/21 10:55*	*1*

Lab Sample ID: LCS 480-607603/4
Matrix: Water
Analysis Batch: 607603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.6		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.8		ug/L		95	76 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	22.9		ug/L		92	61 - 148
1,1,2-Trichloroethane	25.0	24.2		ug/L		97	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.2		ug/L		101	66 - 127
1,2,4-Trichlorobenzene	25.0	24.0		ug/L		96	79 - 122
1,2,4-Trimethylbenzene	25.0	25.5		ug/L		102	76 - 121
1,2-Dibromo-3-Chloropropane	25.0	24.1		ug/L		96	56 - 134
1,2-Dibromoethane	25.0	24.7		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120
1,2-Dichloropropane	25.0	26.2		ug/L		105	76 - 120
1,3,5-Trimethylbenzene	25.0	25.5		ug/L		102	77 - 121
1,3-Dichlorobenzene	25.0	24.2		ug/L		97	77 - 120
1,4-Dichlorobenzene	25.0	24.1		ug/L		96	80 - 120
2-Butanone (MEK)	125	131		ug/L		105	57 - 140
2-Hexanone	125	131		ug/L		104	65 - 127
4-Isopropyltoluene	25.0	26.5		ug/L		106	73 - 120
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	142		ug/L		114	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		105	80 - 122
Bromoform	25.0	28.4		ug/L		114	61 - 132
Bromomethane	25.0	23.3		ug/L		93	55 - 144
Carbon disulfide	25.0	28.0		ug/L		112	59 - 134

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

Lab Sample ID: LCS 480-607603/4
Matrix: Water
Analysis Batch: 607603

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	25.0	30.1		ug/L		120	72 - 134
Chlorobenzene	25.0	23.8		ug/L		95	80 - 120
Chloroethane	25.0	24.9		ug/L		99	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	27.3		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	25.7		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124
Cyclohexane	25.0	22.6		ug/L		91	59 - 135
Dibromochloromethane	25.0	27.0		ug/L		108	75 - 125
Dichlorodifluoromethane	25.0	26.1		ug/L		104	59 - 135
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Isopropylbenzene	25.0	24.3		ug/L		97	77 - 122
m,p-Xylene	25.0	25.1		ug/L		100	76 - 122
Methyl acetate	50.0	50.7		ug/L		101	74 - 133
Methyl tert-butyl ether	25.0	25.2		ug/L		101	77 - 120
Methylcyclohexane	25.0	22.4		ug/L		90	68 - 134
Methylene Chloride	25.0	28.2		ug/L		113	75 - 124
Naphthalene	25.0	24.6		ug/L		98	66 - 125
n-Butylbenzene	25.0	25.0		ug/L		100	71 - 128
N-Propylbenzene	25.0	24.2		ug/L		97	75 - 127
o-Xylene	25.0	24.1		ug/L		97	76 - 122
sec-Butylbenzene	25.0	26.2		ug/L		105	74 - 127
Styrene	25.0	25.7		ug/L		103	80 - 120
tert-Butylbenzene	25.0	27.7		ug/L		111	75 - 123
Tetrachloroethene	25.0	24.9		ug/L		100	74 - 122
Toluene	25.0	23.9		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	26.4		ug/L		106	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		100	80 - 120
Trichloroethene	25.0	24.3		ug/L		97	74 - 123
Trichlorofluoromethane	25.0	21.2		ug/L		85	62 - 150
Vinyl chloride	25.0	25.7		ug/L		103	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 480-607188/1-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
bis (2-chloroisopropyl) ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,4,5-Trichlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,4,6-Trichlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1

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

Lab Sample ID: MB 480-607188/1-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,4-Dimethylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,4-Dinitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,4-Dinitrotoluene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2,6-Dinitrotoluene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Chloronaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Chlorophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Methylnaphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
2-Nitrophenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
3,3'-Dichlorobenzidine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
3-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
4,6-Dinitro-2-methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Bromophenyl phenyl ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Chloro-3-methylphenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Chloroaniline	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Chlorophenyl phenyl ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Methylphenol	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Nitroaniline	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
4-Nitrophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
Acenaphthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Acenaphthylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Acetophenone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Atrazine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzaldehyde	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzo(a)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzo(a)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzo(b)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzo(g,h,i) perylene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Benzo(k)fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Bis(2-chloroethoxy)methane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Bis(2-chloroethyl)ether	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Bis(2-ethylhexyl) phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Butyl benzyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Caprolactam	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Carbazole	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Chrysene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Di-n-butyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Di-n-octyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Dibenz(a,h)anthracene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Dibenzofuran	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
Diethyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Dimethyl phthalate	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Fluoranthene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Fluorene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Hexachlorobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Hexachlorobutadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1

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

Lab Sample ID: MB 480-607188/1-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 607188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Hexachloroethane	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Indeno(1,2,3-cd)pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Isophorone	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
N-Nitrosodi-n-propylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
N-Nitrosodiphenylamine	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Naphthalene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Nitrobenzene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Pentachlorophenol	ND		10		ug/L		12/01/21 09:25	12/02/21 16:47	1
Phenanthrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Phenol	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1
Pyrene	ND		5.0		ug/L		12/01/21 09:25	12/02/21 16:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*41 - 120*	*12/01/21 09:25*	*12/02/21 16:47*	*1*
2-Fluorobiphenyl	*117*		*48 - 120*	*12/01/21 09:25*	*12/02/21 16:47*	*1*
2-Fluorophenol	*79*		*35 - 120*	*12/01/21 09:25*	*12/02/21 16:47*	*1*
Nitrobenzene-d5	*96*		*46 - 120*	*12/01/21 09:25*	*12/02/21 16:47*	*1*
p-Terphenyl-d14	*121*		*60 - 148*	*12/01/21 09:25*	*12/02/21 16:47*	*1*
Phenol-d5	*55*		*22 - 120*	*12/01/21 09:25*	*12/02/21 16:47*	*1*

Lab Sample ID: LCS 480-607188/2-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	34.8		ug/L		109	59 - 120
bis (2-chloroisopropyl) ether	32.0	18.1		ug/L		57	21 - 136
2,4,5-Trichlorophenol	32.0	39.3		ug/L		123	65 - 126
2,4,6-Trichlorophenol	32.0	37.6		ug/L		117	64 - 120
2,4-Dichlorophenol	32.0	36.5		ug/L		114	63 - 120
2,4-Dimethylphenol	32.0	37.5		ug/L		117	47 - 120
2,4-Dinitrophenol	64.0	76.8		ug/L		120	31 - 137
2,4-Dinitrotoluene	32.0	42.1	*+	ug/L		132	69 - 120
2,6-Dinitrotoluene	32.0	40.9	*+	ug/L		128	68 - 120
2-Chloronaphthalene	32.0	35.0		ug/L		110	58 - 120
2-Chlorophenol	32.0	32.6		ug/L		102	48 - 120
2-Methylnaphthalene	32.0	33.7		ug/L		105	59 - 120
2-Methylphenol	32.0	29.7		ug/L		93	39 - 120
2-Nitroaniline	32.0	33.6		ug/L		105	54 - 127
2-Nitrophenol	32.0	37.2		ug/L		116	52 - 125
3,3'-Dichlorobenzidine	64.0	68.9		ug/L		108	49 - 135
3-Nitroaniline	32.0	32.1		ug/L		100	51 - 120
4,6-Dinitro-2-methylphenol	64.0	84.4		ug/L		132	46 - 136
4-Bromophenyl phenyl ether	32.0	38.6		ug/L		120	65 - 120
4-Chloro-3-methylphenol	32.0	39.4		ug/L		123	61 - 123
4-Chloroaniline	32.0	31.2		ug/L		97	30 - 120
4-Chlorophenyl phenyl ether	32.0	38.9	*+	ug/L		121	62 - 120

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

Lab Sample ID: LCS 480-607188/2-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607188

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methylphenol	32.0	28.8		ug/L		90	29 - 131
4-Nitroaniline	32.0	37.6		ug/L		118	65 - 120
4-Nitrophenol	64.0	58.6		ug/L		92	45 - 120
Acenaphthene	32.0	36.3		ug/L		113	60 - 120
Acenaphthylene	32.0	34.5		ug/L		108	63 - 120
Acetophenone	32.0	34.3		ug/L		107	45 - 120
Anthracene	32.0	37.4		ug/L		117	67 - 120
Atrazine	64.0	84.8	E *+	ug/L		133	71 - 130
Benzaldehyde	64.0	59.5		ug/L		93	10 - 140
Benzo(a)anthracene	32.0	34.8		ug/L		109	70 - 121
Benzo(a)pyrene	32.0	30.6		ug/L		96	60 - 123
Benzo(b)fluoranthene	32.0	34.6		ug/L		108	66 - 126
Benzo(g,h,i) perylene	32.0	34.8		ug/L		109	66 - 150
Benzo(k)fluoranthene	32.0	34.8		ug/L		109	65 - 124
Bis(2-chloroethoxy)methane	32.0	31.9		ug/L		100	50 - 128
Bis(2-chloroethyl)ether	32.0	30.4		ug/L		95	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.0		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	34.4		ug/L		108	70 - 129
Caprolactam	64.0	26.1		ug/L		41	22 - 120
Carbazole	32.0	43.6	*+	ug/L		136	66 - 123
Chrysene	32.0	34.0		ug/L		106	69 - 120
Di-n-butyl phthalate	32.0	38.2		ug/L		119	69 - 131
Di-n-octyl phthalate	32.0	32.5		ug/L		101	63 - 140
Dibenz(a,h)anthracene	32.0	34.2		ug/L		107	65 - 135
Dibenzofuran	32.0	37.5		ug/L		117	66 - 120
Diethyl phthalate	32.0	40.8	*+	ug/L		128	59 - 127
Dimethyl phthalate	32.0	41.4	*+	ug/L		129	68 - 120
Fluoranthene	32.0	38.9		ug/L		121	69 - 126
Fluorene	32.0	38.0		ug/L		119	66 - 120
Hexachlorobenzene	32.0	37.8		ug/L		118	61 - 120
Hexachlorobutadiene	32.0	37.3		ug/L		116	35 - 120
Hexachlorocyclopentadiene	32.0	30.9		ug/L		97	31 - 120
Hexachloroethane	32.0	31.4		ug/L		98	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	33.4		ug/L		104	69 - 146
Isophorone	32.0	34.7		ug/L		108	55 - 120
N-Nitrosodi-n-propylamine	32.0	31.8		ug/L		99	32 - 140
Naphthalene	32.0	33.0		ug/L		103	57 - 120
Nitrobenzene	32.0	33.0		ug/L		103	53 - 123
Pentachlorophenol	64.0	62.8		ug/L		98	29 - 136
Phenanthrene	32.0	36.1		ug/L		113	68 - 120
Phenol	32.0	17.6		ug/L		55	17 - 120
Pyrene	32.0	36.5		ug/L		114	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*119*		*41 - 120*
2-Fluorobiphenyl	*118*		*48 - 120*
2-Fluorophenol	*76*		*35 - 120*
Nitrobenzene-d5	*107*		*46 - 120*

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

Lab Sample ID: LCS 480-607188/2-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 607188

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl-d14	112		60 - 148
Phenol-d5	55		22 - 120

Lab Sample ID: LCSD 480-607188/3-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 607188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Biphenyl			32.0	36.5		ug/L		114	59 - 120	5	20
bis (2-chloroisopropyl) ether			32.0	18.5		ug/L		58	21 - 136	2	24
2,4,5-Trichlorophenol			32.0	41.0	*+	ug/L		128	65 - 126	4	18
2,4,6-Trichlorophenol			32.0	39.6	*+	ug/L		124	64 - 120	5	19
2,4-Dichlorophenol			32.0	39.2	*+	ug/L		122	63 - 120	7	19
2,4-Dimethylphenol			32.0	39.2	*+	ug/L		122	47 - 120	4	42
2,4-Dinitrophenol			64.0	86.1		ug/L		135	31 - 137	11	22
2,4-Dinitrotoluene			32.0	44.7	*+	ug/L		140	69 - 120	6	20
2,6-Dinitrotoluene			32.0	42.6	*+	ug/L		133	68 - 120	4	15
2-Chloronaphthalene			32.0	36.6		ug/L		114	58 - 120	4	21
2-Chlorophenol			32.0	33.7		ug/L		105	48 - 120	3	25
2-Methylnaphthalene			32.0	36.0		ug/L		112	59 - 120	7	21
2-Methylphenol			32.0	31.0		ug/L		97	39 - 120	4	27
2-Nitroaniline			32.0	35.3		ug/L		110	54 - 127	5	15
2-Nitrophenol			32.0	40.0		ug/L		125	52 - 125	7	18
3,3'-Dichlorobenzidine			64.0	74.2		ug/L		116	49 - 135	7	25
3-Nitroaniline			32.0	34.0		ug/L		106	51 - 120	6	19
4,6-Dinitro-2-methylphenol			64.0	91.9	*+	ug/L		144	46 - 136	9	15
4-Bromophenyl phenyl ether			32.0	41.3	*+	ug/L		129	65 - 120	7	15
4-Chloro-3-methylphenol			32.0	42.2	*+	ug/L		132	61 - 123	7	27
4-Chloroaniline			32.0	30.4		ug/L		95	30 - 120	3	22
4-Chlorophenyl phenyl ether			32.0	41.0	*+	ug/L		128	62 - 120	5	16
4-Methylphenol			32.0	30.8		ug/L		96	29 - 131	7	24
4-Nitroaniline			32.0	39.4	*+	ug/L		123	65 - 120	5	24
4-Nitrophenol			64.0	63.2		ug/L		99	45 - 120	8	48
Acenaphthene			32.0	37.8		ug/L		118	60 - 120	4	24
Acenaphthylene			32.0	36.5		ug/L		114	63 - 120	6	18
Acetophenone			32.0	35.6		ug/L		111	45 - 120	4	20
Anthracene			32.0	39.9	*+	ug/L		125	67 - 120	7	15
Atrazine			64.0	88.5	E *+	ug/L		138	71 - 130	4	20
Benzaldehyde			64.0	60.5		ug/L		95	10 - 140	2	20
Benzo(a)anthracene			32.0	37.0		ug/L		115	70 - 121	6	15
Benzo(a)pyrene			32.0	31.1		ug/L		97	60 - 123	1	15
Benzo(b)fluoranthene			32.0	37.9		ug/L		118	66 - 126	9	15
Benzo(g,h,i) perylene			32.0	35.9		ug/L		112	66 - 150	3	15
Benzo(k)fluoranthene			32.0	34.6		ug/L		108	65 - 124	0	22
Bis(2-chloroethoxy)methane			32.0	34.0		ug/L		106	50 - 128	6	17
Bis(2-chloroethyl)ether			32.0	31.8		ug/L		99	44 - 120	4	21
Bis(2-ethylhexyl) phthalate			32.0	32.7		ug/L		102	63 - 139	5	15
Butyl benzyl phthalate			32.0	36.8		ug/L		115	70 - 129	6	16

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

Lab Sample ID: LCSD 480-607188/3-A
Matrix: Water
Analysis Batch: 607376

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 607188

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Caprolactam			64.0	28.4		ug/L		44	22 - 120	9	20
Carbazole			32.0	47.3	*+	ug/L		148	66 - 123	8	20
Chrysene			32.0	34.7		ug/L		108	69 - 120	2	15
Di-n-butyl phthalate			32.0	41.2		ug/L		129	69 - 131	8	15
Di-n-octyl phthalate			32.0	34.4		ug/L		107	63 - 140	6	16
Dibenz(a,h)anthracene			32.0	36.3		ug/L		114	65 - 135	6	15
Dibenzofuran			32.0	39.0	*+	ug/L		122	66 - 120	4	15
Diethyl phthalate			32.0	42.3	*+	ug/L		132	59 - 127	4	15
Dimethyl phthalate			32.0	42.9	*+	ug/L		134	68 - 120	4	15
Fluoranthene			32.0	41.9	*+	ug/L		131	69 - 126	8	15
Fluorene			32.0	39.2	*+	ug/L		123	66 - 120	3	15
Hexachlorobenzene			32.0	39.7	*+	ug/L		124	61 - 120	5	15
Hexachlorobutadiene			32.0	39.5	*+	ug/L		123	35 - 120	6	44
Hexachlorocyclopentadiene			32.0	32.4		ug/L		101	31 - 120	5	49
Hexachloroethane			32.0	32.8		ug/L		103	43 - 120	5	46
Indeno(1,2,3-cd)pyrene			32.0	35.0		ug/L		109	69 - 146	5	15
Isophorone			32.0	36.4		ug/L		114	55 - 120	5	17
N-Nitrosodi-n-propylamine			32.0	33.4		ug/L		104	32 - 140	5	31
Naphthalene			32.0	35.4		ug/L		110	57 - 120	7	29
Nitrobenzene			32.0	34.9		ug/L		109	53 - 123	6	24
Pentachlorophenol			64.0	71.9		ug/L		112	29 - 136	13	37
Phenanthrene			32.0	39.0	*+	ug/L		122	68 - 120	8	15
Phenol			32.0	18.5		ug/L		58	17 - 120	5	34
Pyrene			32.0	38.5		ug/L		120	70 - 125	5	19

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*130*	*S1+*	*41 - 120*
2-Fluorobiphenyl	*122*	*S1+*	*48 - 120*
2-Fluorophenol	*80*		*35 - 120*
Nitrobenzene-d5	*113*		*46 - 120*
p-Terphenyl-d14	*117*		*60 - 148*
Phenol-d5	*56*		*22 - 120*

QC Association Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

GC/MS VOA

Analysis Batch: 607603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192876-1	MW-4	Total/NA	Water	8260C	
480-192876-2	MW-5	Total/NA	Water	8260C	
480-192876-3	MW-8	Total/NA	Water	8260C	
480-192876-4	MW-14	Total/NA	Water	8260C	
480-192876-5	TRIP BLANK 2	Total/NA	Water	8260C	
MB 480-607603/6	Method Blank	Total/NA	Water	8260C	
LCS 480-607603/4	Lab Control Sample	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 607188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192876-1	MW-4	Total/NA	Water	3510C	
480-192876-2	MW-5	Total/NA	Water	3510C	
480-192876-3	MW-8	Total/NA	Water	3510C	
480-192876-4	MW-14	Total/NA	Water	3510C	
MB 480-607188/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-607188/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 480-607188/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 607376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-192876-1	MW-4	Total/NA	Water	8270D	607188
480-192876-2	MW-5	Total/NA	Water	8270D	607188
480-192876-3	MW-8	Total/NA	Water	8270D	607188
480-192876-4	MW-14	Total/NA	Water	8270D	607188
MB 480-607188/1-A	Method Blank	Total/NA	Water	8270D	607188
LCS 480-607188/2-A	Lab Control Sample	Total/NA	Water	8270D	607188
LCSD 480-607188/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	607188

Lab Chronicle

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Client Sample ID: MW-4

Lab Sample ID: 480-192876-1

Date Collected: 11/29/21 11:20
Matrix: Water
Date Received: 11/30/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607603	12/04/21 11:27	CRL	TAL BUF
Total/NA	Prep	3510C			607188	12/01/21 09:25	JMP	TAL BUF
Total/NA	Analysis	8270D		1	607376	12/02/21 18:36	PJQ	TAL BUF

Client Sample ID: MW-5

Lab Sample ID: 480-192876-2

Date Collected: 11/29/21 11:30
Matrix: Water
Date Received: 11/30/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607603	12/04/21 11:50	CRL	TAL BUF
Total/NA	Prep	3510C			607188	12/01/21 09:25	JMP	TAL BUF
Total/NA	Analysis	8270D		1	607376	12/02/21 19:03	PJQ	TAL BUF

Client Sample ID: MW-8

Lab Sample ID: 480-192876-3

Date Collected: 11/29/21 11:45
Matrix: Water
Date Received: 11/30/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607603	12/04/21 12:13	CRL	TAL BUF
Total/NA	Prep	3510C			607188	12/01/21 09:25	JMP	TAL BUF
Total/NA	Analysis	8270D		1	607376	12/02/21 19:30	PJQ	TAL BUF

Client Sample ID: MW-14

Lab Sample ID: 480-192876-4

Date Collected: 11/29/21 11:55
Matrix: Water
Date Received: 11/30/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607603	12/04/21 12:36	CRL	TAL BUF
Total/NA	Prep	3510C			607188	12/01/21 09:25	JMP	TAL BUF
Total/NA	Analysis	8270D		1	607376	12/02/21 19:58	PJQ	TAL BUF

Client Sample ID: TRIP BLANK 2

Lab Sample ID: 480-192876-5

Date Collected: 11/29/21 00:00
Matrix: Water
Date Received: 11/30/21 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	607603	12/04/21 12:59	CRL	TAL BUF

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Corp. Job ID: 480-192876-1
Project/Site: Los Flamboyanes Phase II ESA

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

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

Method Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL BUF
5030C	Purge and Trap	SW846	TAL BUF

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: Stantec Consulting Corp.
Project/Site: Los Flamboyanes Phase II ESA

Job ID: 480-192876-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-192876-1	MW-4	Water	11/29/21 11:20	11/30/21 10:30
480-192876-2	MW-5	Water	11/29/21 11:30	11/30/21 10:30
480-192876-3	MW-8	Water	11/29/21 11:45	11/30/21 10:30
480-192876-4	MW-14	Water	11/29/21 11:55	11/30/21 10:30
480-192876-5	TRIP BLANK 2	Water	11/29/21 00:00	11/30/21 10:30

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: S. Rife	Lab PM: VanDette, Ryan T	Carrier Tracking No(s):	COC No: 480-167394-36671.2
Client Contact: Mrs. Katherine Nelson ; Mr. Steven Rife	Phone: (585) 363-0365	E-Mail: Ryan.VanDette@Eurofinset.com	State of Origin: NY	Page: ~~Page 2 of 2~~ 1 OF 1
Company: Stantec Consulting Corp.	PWSID:			Job #:
Address: 61 Commercial Street	Due Date Requested:			
City: Rochester	TAT Requested (days): Standard TAT			
State, Zip: NY, 14614	Compliance Project: Δ Yes Δ No			
Phone: 585-413-5310(Tel)	PO #: Purchase Order Requested			
Email: katie.nelson@stantec.com ; steven.campbell	WO #:			
Project Name: Los Flamboyanes Phase II ESA	Project #: 48024519			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270D - (MOD) TCL SVOA - OLM04.2	8260C - TCL + CP-51 List - VOCs	6010C, 7471B	8082A - TCL PCBs - OLM04.2	8260C - TCL + CP-51 List - VOCs	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N	N	A		
MW - 4	11/29/21	1120	G	~~Solid~~ WATER			X	X					
MW - 5	↓	1130	G	~~Solid~~ WATER			X	X					
MW - 8		1145	G	~~Solid~~ WATER			X	X					
MW - 14		1155	G	Water			X	X					
			G	Water									
			G	Water									
			G	Water									
			G	Water									
Trip Blank1			G	Water				X					
Trip Blank 2			G	Water									

Preservation Codes:

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

Other:

480-192876 Chain of Custody

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

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

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

Special Instructions/QC Requirements: ASP CAT A ; No QA/QC samples

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	S. Rife	11/29/21 1220	STN	R. Brewer Reed	11/29/21 1220	STN
2	R. Brewer Reed	11/29/21	STN	FedEx	11/29/21 1245	FedEx
3					11-30-21 1030	TAB

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

Cooler Temperature(s) °C and Other Remarks: 1.7 ICE

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Stantec Consulting Corp.

Job Number: 480-192876-1

Login Number: 192876

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

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

Appendix B

Generic Community Air Monitoring Plan

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

Overview

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

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

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

Community Air Monitoring Plan

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

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

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

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

VOC Monitoring, Response Levels, and Actions

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

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

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

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

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

Particulate Monitoring, Response Levels, and Actions

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

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

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

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

December 2009

Appendix 1B
Fugitive Dust and Particulate Monitoring

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix C

Monroe County Specialty Short-Term Discharge Permit Application Information

Department of Environmental Services

Monroe County, New York

Adam J. Bello
County Executive

Michael J. Garland, P.E.
Director

RE: Specialty Short Term Discharge Permit

Enclosed is an application for a Short Term Discharge Permit. Be advised this Permit is a legal document. Please provide all requested information accurately. An officer of the company must sign the permit or appoint a duly authorized representative. The letter of appointment must be included with the permit package.

Monroe County Pure Waters, under Section 57 of the Worker's Compensation Law and Section 220 – Subdivision 8 of the Disability Benefits Law, is required to have on file proof that your company has workers compensation and disability benefits for your employees. A form from your insurance carrier stating such coverage will thus be required before your permit can be processed.

A check for the permit fee of $125.00 should be made payable to the Director of Finance, County of Monroe. All copies of the application, the form from your insurance carrier, and the check should be mailed to the following address:

Monroe County Department of Environmental Services
Industrial Waste Control
145 Paul Road, Bldg. 1
Rochester, New York 14624

Should you have any questions regarding the permit application, please feel free to call Industrial Waste Control at (585) 753-7600, Option #4.

SPECIALTY SHORT TERM DISCHARGE PERMIT

APPLICATION PROCEDURE

1) The applicant must submit a letter requesting permission to discharge and a completed permit application. The letter must contain the information listed in item #2 below.

2) The following information is required before considering a request for discharge:
   a) Contractor or environmental representative name
   b) Contact person name, office phone #, cell phone #, fax #, email
   c) Site name, address
   d) Description of site work and history of site. Site history should include current and past businesses and activities or products produced.
   e) Former/current contents of underground storage tanks and/or material spilled and/or history of site contaminants.
   f) Quantity of wastewater to be discharged
   g) Method of treatment (if applicable)
   h) Method of discharge (direct to sewer, pumped, gravity, hauled)
   i) Method to control solids discharge (if applicable)
   j) Expected date of discharge
   k) Project duration

3) Monroe County Pure Waters, under Section 57 of the Worker's Compensation Law and Section 220 - Subdivision 8 of the Disability Benefits Law, is required to have on file proof that your company has worker's compensation and disability benefits for your employees. A form from your insurance carrier stating such coverage will thus be required before your permit can be processed.

4) A check, for the initial permit fee of $125.00, should be made payable to the Director of Finance, County of Monroe. The request to discharge letter, the application, the insurance form and the check should be mailed to:

Monroe County Department of Environmental Services
Industrial Waste Control
145 Paul Road, Bldg. 1
Rochester, New York 14624

As an alternative - the request to discharge letter, the completed application and the insurance form may be faxed to (585) 324-1213. The check may be given to the inspector at time of field inspection.

5) Monroe County will schedule an inspection of the site upon receipt of the above listed material.

6) Please call the Industrial Waste office at (585) 753-7600, Option #4, for additional information.

GENERAL REQUIRMENTS AND PETROLEUM IMPACTED WATER RULES AND REGULATIONS

1) A Specialty Short Term Discharge Permit is required for discharges to the Monroe County Sewer System or Wastewater Treatment Plant respectively. The permit fee is $125.00 (payable to the Director of Finance, County of Monroe).

2) The following conditions shall apply to this permit:

a) Required analytical testing of wastewater shall be submitted to this office for review and approval prior to discharge. Required analytical testing will be based on site specific contaminants, site history and the Monroe County Sewer Use Law. Analytical testing will be developed from the permit application. Any sample data collected and submitted prior to the permit application may not be acceptable for approval by the County.

b) The Monroe County limit for the summation of all Volatile Organic Compounds and Semi Volatile Organic Compounds (total VOC's) is 2.13 mg/l. Detection levels must be at or less than 10 ug/l. Any detection level above 10 ug/l will be treated as a measured concentration. For petroleum impacted water the analytical shall include purgeable halocarbons, aromatics, and polynuclear aromatic hydrocarbons depending on the site contaminants.

c) Required testing includes, but is not limited to:

(1) Gasoline impacted water – Purgeable Aromatics; and Methyl Tertiary Butyl Ether (MTBE) - monitoring only. Limit not applicable at this time.

(2) Diesel or Fuel Oil impacted water – Polynuclear Aromatic Hydrocarbons.

d) The applicant must identify a suitable sanitary sewer discharge point. Monroe County will confirm the discharge point in the City of Rochester and the Towns of Gates, Chili and Ogden. Should the applicant be working in a location NOT described above, it will be the applicant's responsibility to contact the applicable Town and/or Village for similar service. The Town/Village of Webster, and Honeoye Falls are NOT part of the Monroe County Sewer System.

e) A maximum of 10 gpm discharge rate is permitted. Approval must be received from the appropriate agency (noted above) to exceed this rate.

f) Monroe County will conduct a field inspection of the site and issue a permit pending the completion and/or submission of all required information.

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____ ST- Permit No: _____

Fee: $125.00 Expires: _____

FirmName_____
Address_____
_____

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated_____ and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:
A._____
B._____
C._____

II. The applicant further agrees to:
1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print)_____

Applicant's Signature _____ Date _____

Applicant's Title _____ Phone _____

Emergency Contact _____ Phone _____

Renewal Approved by: _____ Issued this ___ day of _____ 20 ___.
Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County

Office of Industrial Waste Control
Monroe County Department of Environmental Services
145 Paul Road, Bldg. 1 ● Rochester, New York 14624 ● Ph. 585-753-7600 (Option #4); Fax 585-324-1213
www2.monroecounty.gov/des-industrialwaste.php ● printed on recycled paper

Appendix D

NYSDEC BUD Petition Form

Beneficial Use Determination Petition – Fill or Cover

OFFICIAL USE ONLY

DATE RECEIVED

PROJECT NUMBER

STAFF INITIALS

DATE

6 NYCRR Part 360-1.15(b) addresses 16 pre-determined materials which, when used in the manner noted in that subdivision, are not considered solid wastes (for the purposes of Part 360). In situations where a particular proposed reuse is not specifically identified in that subdivision, material generators and potential users may petition the Department for a case-specific beneficial use determination (BUD) under Part 360-1.15(d). This form has been developed to assist applicants in obtaining a case-specific BUD for the use of various materials to serve as structural or grade adjustment fill, or as ground surface cover material.

Note: This form is intended to address the requirements of 6 NYCRR 360-1.15(d) only and does not cover other federal, state, or local approvals that may be necessary for use of the proposed fill or cover material.

Petitioner Information

Full Name: _____
Last *First* *M.I.*

Affiliation: _____ _____
Company *Title*

Primary Address: _____ _____
Street Address *City/Town*

_____ _____
County *Zip Code*

Primary Phone: ( ) _____ **Primary Email:** _____

Fill or Cover Material Information

Waste Information: _____ _____
Type of solid waste to be used as a fill or cover (soil, NDM or other) *Estimated Total Quantity (in tons or cubic yards)*

Source of Generation: _____ _____
Generator Name *Facility Type (i.e. Construction Site, Dredging Site, Manufacturer, etc.)*

_____
Generator Location(s) (Address, Town, County); include lot and block numbers if a construction site

Details of Use: _____ _____
Function (structural fill, embankment, grade adjustment, cover, topsoil) *Duration of project (up to 5 years)*

Location(s) of Use: _____ _____
Location of use, if applicable (Address) *Quantity in tons or cubic yards*

_____ _____
Location of use, if applicable (Address) *Quantity in tons or cubic yards*

_____ _____
Location of use, if applicable (Address) *Quantity in tons or cubic yards*

Petition Attachments

Attachments Needed for Review of Petition	Attached	N/A	
	☐	☐	Physical description of proposed fill or cover material
	☐	☐	Thickness and areal extent of fill or cover material, including maps, drawings or aerial photos of all source and receiving sites.
	☐	☐	Elevation of groundwater table at receiving site(s)
	☐	☐	Distance to surface waters and wetlands at receiving site(s)
	☐	☐	Sampling and analysis results for proposed fill or cover material (a summary table with comparison to approval criteria is recommended, in addition to laboratory report)
	☐	☐	Describe any other potential adverse effects from use of the material (odors, roots or seeds of invasive species)?
	☐	☐	Description of transportation and storage of fill or cover prior to placement with measures to prevent uncontrolled dispersion.
	☐	☐	Description of environmental controls while placing the materials (e.g., dust control; erosion control)
	☐	☐	For NDM only: if amendment is needed, where and with what material will the NDM be amended?
	☐	☐	If historic fill is present at the source site: have historic fill areas been delineated so that proposed material will be obtained from outside the areal or vertical limits of historic fill?
	☐	☐	(Optional) Boring logs from geophysical investigation of the source site
	☐	☐	(Optional) Phase 1/Phase 2 Environmental Assessment investigations or similar of the source site

Solid Waste Facility Permit Requirements	Yes – Permit may be required	No	
	☐	☐	Will the proposed material require decontamination, special handling or processing before beneficial use as fill or cover?
	☐	☐	Will a fee be charged for use of the receiving site for placement of materials as fill or cover, or will the receiving site operate outside the hours of sunrise and sunset?

Certification

NOTICE: Pursuant to ECL Section 3-0301(2)(Q): False statements made on this application are punishable pursuant to Section 210.45 of the New York State Penal Code.

_____	_____	_____
Signature	*Title*	*Date*

Before you submit this application, please verify:

- ☐ All fields of the application are complete (indicate N/A (not applicable) if appropriate).
- ☐ You have signed and dated above.
- ☐ You have submitted a Record of Compliance (if required).

Send this completed form and any supporting attachments to the **Materials Management Supervisor** in your DEC Region (for help, see http://www.dec.ny.gov/about/50230.html), with a copy to:

Kathleen Prather, P.E.
Bureau of Permitting and Planning
Division of Materials Management
NYSDEC
625 Broadway, 9th Floor
Albany, NY 12233-7260

Please contact Ms. Prather at (518) 402-8678 or benuse@dec.ny.gov if you have any questions about petitioning for a case-specific BUD.