Construction Completion Report – Redevelopment Excavation

Bridge Cleaners (NYSDEC Site No. 241127)

39-26 30th Street, Long Island City, Queens County, New York

Prepared for

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Acronyms and Abbreviations

AS	air sparge
bgs	below ground surface
BHWRM	Bureau of Hazardous Waste & Radiation Management
CAMP	*Community Air Monitoring Plan*
CarsonVoci	CarsonVoci Engineering and Geology, D.P.C.
CCR	*Construction Completion Report*
CP-43	*NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy*
DER	Division of Environmental Remediation
DER-10	*DER 10 / Technical Requirements for Site Investigation and Remediation*
DMM	Division of Materials Management
DUSR	data usability summary report
EDWS	electronic data warehouse standards
EECC	Environmental Compliance Control Engineering, D.P.C.
EPA	United States Environmental Protection Agency
HASP	health and safety plan
Integral	Integral Engineering P.C.
IRM	interim remedial measure
Interim SMP	*Interim Site Management Plan*
LDR	Land Disposal Regulations
LSI	limited soil investigation
mg/kg	milligrams per kilogram
NYSDEC	New York State Department of Environmental Conservation
PID	photoionization detector
PRAP	Proposed Remedial Action Plan
PRR	Periodic Review Report
QAPP	Quality Assurance Project Plan
RCRA	Resource Conservation and Recovery Act
RESR	Restricted Residential Use
REWP	*Remedial Excavation Work Plan*
ROD	Record of Decision
SOE	support of excavation
SVE	soil vapor extraction
TCL	target compound list
TCLP	toxic characteristic leaching procedure

TechSolutions	TechSolutions Engineering, P.C.
UNRES	Unrestricted Use
VOC	volatile organic compound

Engineering Certification

I Nicholas Krasnecky, P.E. certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the Redevelopment Excavation Work Plan was implemented and that all construction activities were completed in substantial conformance with the DER-approved Redevelopment Excavation Work Plan.



Nicholas Krasnecky, P.E.
NYS PE License No. 100006

1/19/2024
Date

1 Introduction

CarsonVoci Engineering and Geology, D.P.C. (CarsonVoci), an affiliate of Terraphase Engineering, Inc., has prepared this *Construction Completion Report* (CCR) on behalf of Zhong Chuang Properties, LLC (Owner) for the Bridge Cleaners Site located at 39-26 30th Street, Long Island City, New York (subject site; Figure 1). The CCR documents the implementation of the New York State Department of Environmental Conservation (NYSDEC) approved *Redevelopment Excavation Work Plan* (REWP) prepared, and implementation oversight conducted, by Environmental Engineering Compliance Control, D.P.C (EECC).

Nicholas Krasnecky, the New York State registered Professional Engineer certifying the REWP and overseeing the implementation as part of EECC, is now a practicing licensed professional with CarsonVoci. Mr. Krasnecky continuously provided oversight of the REWP implementation activities documented within this CCR.

1.1 Site Location and Description

The subject site is currently owned by Zhong Chuang Properties, LLC and is identified by the NYSDEC as Site No. 241127. The subject site is identified as Block 399, Lot 1, on the New York City Tax Map (Figure 2) and is currently being redeveloped via construction of an 11-story residential building. Adjacent buildings to the north and west appear to contain residential units. To the south is a multi-story residential structure. To the east is 30th Street.

1.2 Report Organization

This CCR is organized by the following sections:

1. **Introduction**
2. **Background and Pre-Excavation Activities.** Presents information, pertinent characteristics, and history of the subject site, and summary of site investigation activities conducted prior to the redevelopment excavation.
3. **Redevelopment Excavation.** Presents a detailed description of the completed activities pursuant to the REWP.
4. **Institutional/Engineering Controls.** Presents the current institutional and engineering controls at the Site, in accordance with the *Interim Site Management Plan* (EECC 2021b).
5. **Conclusions.** Presents a summary and conclusions based on the completed REWP activities.
6. **References:** Presents the references utilized in preparation of this CCR.

This report has been prepared in accordance with *DER-10 / Technical Requirements for Site Investigation and Remediation* (DER-10; NYSDEC Division of Environmental Remediation [DER] 2010) and supporting guidance documents. The outlined report structure is in general conformance with Section 5.8 of DER-10.

2 Background and Pre-Excavation Activities

The subject site was previously occupied by a commercial laundry and dry cleaner, Bridge Cleaners, until 2011. Records indicate at least 10 years of use as a commercial dry cleaner. Site investigations were conducted at the subject site and off-site properties from 2009 to 2016. The results of these investigations indicated the presence of dry-cleaning-related compounds tetrachloroethene and its breakdown products, including trichloroethene, in the soil, soil vapor, and groundwater, at concentrations exceeding relevant NYSDEC standards and guidelines. The subject site currently has an environmental easement in place, dated March 4, 2019, with an amendment dated April 3, 2023 (Appendix A).

An *Interim Remedial Design Document* (Integral Engineering P.C. [Integral] 2016) was approved by the NYSDEC for the installation of an air sparge (AS)/soil-vapor extraction (SVE) remedial system at the subject site. The AS/SVE remedial system was installed and began operation in March 2018. Following the installation and operation of the system, the *Draft Construction Completion Report* (Integral 2018) and *Memorandum - Successful Former Bridge Cleaners AS/SVE System Performance* (Integral 2019) were issued detailing the system installation and operations. Correspondence between the NYSDEC and Integral resulted in the issuance of a *Dispute Resolution Decision* (NYSDEC 2019), which stipulates modifications to the system were necessary to address continued groundwater contamination. Subsequently, the system was modified in September 2020 per the *Supplemental Interim Remedial Measures Work Plan* (TechSolutions Engineering P.C. 2020). EECC oversaw the implementation of the supplemental work plan and subsequently prepared the NYSDEC approved *Construction Completion Report* (EECC 2021a) and *Interim Site Management Plan* (Interim SMP; EECC 2021b).

A *Change of Use Work Plan* (EECC 2021c) was prepared for the demolition of the existing one-story structure and relocation of the AS/SVE system to facilitate the redevelopment of the subject site by the Owner. The AS/SVE system was shut down on December 8, 2021, to facilitate roof and interior demolition activities. Subsequent post-shut down sampling was conducted in January 2022 and the results were presented in the *AS/SVE Remedial Progress Sampling Report* (EECC 2022a) submitted to the NYSDEC. The AS/SVE system was disconnected and removed in March 2022 in accordance with the *Change of Use Work Plan* (EECC 2021c).

The NYSDEC issued the *Proposed Remedial Action Plan* (PRAP; NYSDEC DER 2022a) in February 2022, and subsequently issued the *Record of Decision* (ROD; NYSDEC DER 2022b) in March 2022, for the subject site. The ROD presents the selected remedy for the subject site that is accepted by both the New York State Department of Health and NYSDEC.

Based on the requirements of the ROD and Interim SMP, two additional work plans were prepared and approved by the NYSDEC to facilitate the proposed redevelopment of the subject site—the *Limited Soil Investigation Work Plan* (EECC 2022b) and the *Redevelopment Excavation Work Plan* (EECC 2022c). The results of the limited soil investigation (LSI) activities are summarized in Section 2.1, with the REWP activities being the subject of the remainder of this CCR.

2.1 Limited Soil Investigation

The LSI was conducted prior to the proposed redevelopment activities outlined in the PRAP. The LSI was conducted in accordance with the NYSDEC approved *Limited Soil Investigation Work Plan* (EECC 2022b) and focused on soil investigation activities within the footprint of the former building slab. Soil investigation and characterization sampling were conducted to complete the delineation of the soils on site pursuant to the PRAP/ROD. The sampling activities were conducted prior to the removal of the concrete slab cover system to minimize the disruption to excavation and redevelopment activities.

The LSI sampling was conducted in general accordance with the appropriate techniques presented in the LSI work plan, the DER-10, and the protocols outlined in the *Quality Assurance Project Plan* (QAPP) included in the Interim SMP as Appendix 9. A summary of the sampling activities and results are presented in the following subsections.

2.1.1 Boring and Sampling Locations

On April 5, 2022, nine soil borings were advanced at the subject site via a track-mounted Geoprobe equipped with direct-push rods and acetate liners. The soil boring locations are identified on Figure 3. The concrete slab was cored at each location and retained for concrete sample collection. The soil borings were then advanced to a depth of 10 or 20 feet below ground surface (bgs) and soil samples were collected as follows:

- Nine discrete samples were collected from the zero to 5-foot bgs interval, one sample at each boring location, for waste characterization.
- Four composite soil samples, representative of the soils proposed to be excavated during redevelopment, were collected for waste characterization.
- Eight discrete samples were collected from the five to 10-foot bgs interval, one sample at each boring location except for SB-15, to complete on-site soil delineation as specified in the PRAP/ROD.
- Three discrete samples were collected from the 10- to 20-foot bgs interval to complete on-site soil delineation as specified in the PRAP/ROD.
- Nine discrete samples were collected from the concrete cores, one sample at each of the boring locations, for waste characterization.
- One composite sample was collected from the nine concrete cores for waste characterization.

A summary of the soil investigation program and analysis details are provided in Tables 1 and 2, respectively.

2.1.2 Soil and Concrete Sampling Procedures

Soil and concrete sampling were conducted pursuant to the procedures outlined in the LSI work plan and QAPP, and in accordance with the DER-10. A graphic log of each soil boring was prepared with appropriate stratification lines, lithologic descriptions, sample identifications, photoionization detector (PID) readings, sample depth intervals, and dates. Soil boring logs are included in Appendix B.

PID screening in the field did not indicate elevated readings in any of the soil borings, nor did the soil borings exhibit visual or olfactory indication of impacts. Therefore, discrete samples were generally collected from the middle of each sampling interval or biased toward historically sampled intervals.

Composite samples were collected by combining the representative soil intervals and borings (Table 1) in 1-gallon Ziplock® bag or stainless-steel bowl. The samples were then homogenized prior to being transferred into laboratory-provided bottle ware.

2.1.3 Soil and Concrete Analytical Parameters

All analyses were performed by Eurofins Scientific, an Environmental Laboratory Approval Program-certified laboratory for the parameters being analyzed. The final reports, provided as Analytical Services Protocol Category B deliverables, are provided in Appendix M. Details regarding the sampling analyses and analytical services are provided in the QAPP.

Quality control samples were collected and analyzed as outlined in the QAPP. The delineation soil samples were validated by a third-party data validator, Alpha Geoscience of Clifton Park, New York. Alpha Geoscience prepared data usability summary reports (DUSRs) in accordance with DER-10 requirements. The independent data validation determined all analytical results are usable as reported or with minor qualifications due to laboratory quality control outliers. The DUSRs and validated data reports are included as Appendix L.

The data generated and utilized as documentation or compliance samples was submitted in an electronic data deliverable that complies with the NYSDEC's *Electronic Data Warehouse Standards* or as otherwise directed by DER-10.

2.1.4 Soil Sampling Analytical Results

Discrete and composite soil samples were collected during the LSI activities for the purposes of delineation and waste characterization. The analytical results of the soil sampling are detailed as follows.

2.1.4.1 Delineation Soil Sampling Analytical Results

Eight soil samples were collected from eight soil borings at the depth intervals shown in Table 1 for the purpose of further subject site soil delineation per the PRAP/ROD. The soil samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs) via United States Environmental Protection Agency (EPA) Method 8260C. The analytical results are summarized in Table 3 and presented on Figure 3. The analytical results were compared to 6 NYCRR 375 Restricted Residential (RESR) Use criteria per the allowable site use in the environmental easement amendment dated April 3, 2023 (Appendix A). VOC concentrations in all delineation soil samples collected are below RESR criteria.[1]

[1] Environmental Remediation Programs, 6 NYCRR 375, https://govt.westlaw.com/nycrr/Title6/ChIV/SubChB/Part375

Based on the analytical results of the delineation soil samples collected, delineation is complete pursuant to the PRAP/ROD and the samples did not indicate the presence of any unknown impacts at the subject site.

2.1.4.2 Discrete Soil Sampling Analytical Results

Twelve discrete soil samples were collected from nine soil borings at the depth intervals and purpose shown in Table 1. The discrete soil samples were analyzed for TCL VOCs via EPA Method 8260C. The analytical results are summarized in Table 3 and presented on Figure 3. The analytical results were compared to 6 NYCRR 375 RESR Use Criteria, Restricted Commercial Use Criteria, and Unrestricted Use Criteria (UNRES) for on-site soil reuse, as outlined in the DER-10, Table 5.4(e)4.

VOC concentrations in all discrete soil samples collected are below UNRES criteria, except for sample SB-10 (15-15.5) where acetone was detected at 0.051 milligrams per kilogram. The UNRES criteria for acetone is 0.050 milligrams per kilogram. Acetone is commonly used in laboratories; therefore, the presence of low-level acetone in this sample is considered a laboratory artifact and not a site contaminant.

The samples and associated analytical data utilized for waste characterization, “Contained-In” determination, and on-site soil reuse are detailed further in Section 3.3.

2.1.4.3 Composite Soil Sampling Analytical Results

Four composite soil samples were collected from the nine soil borings as shown in Table 1. Three of the composite soil samples, COMP-1, COMP-2, and COMP-3, were analyzed for semi-volatile organic compounds, polychlorinated biphenyls, Target Analyte List (TAL) metals/mercury, and Resource Conservation and Recovery Act (RCRA) toxic characteristic leaching procedure (TCLP) metals/mercury by EPA Methods 8270E, 8082A, 6020B/7471B, and 6020B/7470A, respectively. The fourth composite soil sample, COMP-4, was analyzed for ignitability, reactivity, corrosivity, and free liquid/paint filter by EPA Methods 1030, 9014/9034, 9045D, and 9095B, respectively. The analytical results are summarized in Table 4.

The analytical results of the composite samples were below UNRES criteria, except for lead in COMP-1 and COMP-2, which exceeded UNRES criteria, but was below the RESR criteria. RCRA TCLP metals and mercury analyses of the composite samples were below the 6 NYCRR 375 Land Disposal Regulation (LDR) criteria. Details with respect to management and disposal of the on-site soil are further provided in Section 3.3.

2.1.5 Concrete Sampling Analytical Results

Discrete and composite concrete samples were collected during the LSI activities for the purposes of waste characterization for disposal. The analytical results of the concrete sampling are detailed below.

2.1.5.1 Discrete Concrete Sampling Analytical Results

Nine discrete concrete samples were collected from the concrete cores at the nine soil boring locations. The discrete concrete samples were analyzed for VOCs by EPA Method 8260C. The analytical results, summarized in Table 5, were compared to 6 NYCRR Part 375 LDR criteria and all VOCs were below the respective LDR criteria. Further details are provided in Section 3.3.

2.1.5.2 Composite Concrete Sampling Analytical Results

One composite concrete sample was collected from the nine concrete cores. The composite concrete sample was analyzed for semi-volatile organic compounds, polychlorinated biphenyls, Target Analyte List metals/mercury, RCRA TCLP metals/mercury, ignitability, reactivity, and corrosivity by EPA Methods 8270E, 8082A, 6020B/7471B, 6020B/7470A, 1030, 9014/9034, and 9045D, respectively. The analytical results are summarized in Table 6.

The analytical results of the composite sample were below the respective LDR criteria and are detailed further in Section 3.3.

3 Redevelopment Excavation

Redevelopment excavation activities at the subject site were conducted in accordance with the NYSDEC-approved REWP (EECC 2022c) provided in Appendix C. All redevelopment excavation activities were overseen by a Qualified Environmental Professional (QEP), as defined in 6 NYCRR 375, or by a person under their supervision. The existing conditions at the subject site, prior to the redevelopment excavation activities, are shown on Figure 4. The redevelopment excavation activities are detailed, and any deviations from the work plan noted, in this section.

3.1 Site-Specific Health and Safety Plan

A site-specific health and safety plan (HASP) was prepared and complied with for all remedial and investigative work performed by EECC staff at the Site.

The general contractor prepared their own HASP to ensure all work performed under the redevelopment excavation complied with governmental requirements, including site and worker safety requirements mandated by the United States Occupational Safety and Health Administration.

3.2 Community Air Monitoring Plan

Community air monitoring was conducted during all intrusive activities in accordance with the *Community Air Monitoring Plan* (CAMP), provided as part of the REWP. CAMP reports, which include the data summary tables, were maintained and provided to the NYSDEC and New York State Department of Health on a weekly basis when intrusive activities were conducted. The CAMP reports are included in this CCR as Appendix D.

3.3 Soil and Concrete Contained-In Determinations

The subject site was a small quantity generator of solvent wastes under the RCRA hazardous waste program from 1997 to 2010. Therefore, materials characterization must be done under the RCRA regulations including a Contained-In determination request from the NYSDEC Division of Materials Management (DMM), Bureau of Hazardous Waste & Radiation Management (BHWRM). All environmental media (investigation-derived waste, soil, sediment, water [groundwater, stormwater, surface water, purge water, well-development water, rainwater, decontamination water, rinsate]) and/or debris containing hazardous constituents from listed hazardous waste identified in 6 NYCRR 371 must be managed as hazardous wastes unless or until the hazardous constituent concentrations in the media/debris are at or below Contained-In criteria concentrations and the facility receives written confirmation from the NYSDEC.[2]

[2] Identification and Listing of Hazardous Wastes, 6 NYCRR 371, https://govt.westlaw.com/nycrr/Title6/ChIV/SCh/B/Part371

3.3.1 Contained-In Determinations – May 2022

The analytical data from soil and concrete waste characterization samples collected during the LSI were provided to the NYSDEC DMM BHWRM as part of a Contained-In determination request for each media. The NYSDEC DMM BHWRM reviewed the request and provided separate Contained-In determinations for the on-site soil to be excavated, and concrete slab, stating the media could be managed as non-hazardous waste and disposed in a permitted 6 NYCRR 360 solid waste facility or an out-of-state permitted solid waste facility.[3] The Contained-In determinations for both soil and concrete are provided in Appendix E.

3.3.2 Contained-In Determination – December 2022

On December 8, 2022, an updated Contained-In determination request was submitted to the NYSDEC DMM BHWRM to request the use of on-site soil to be excavated, approved for export under the May 2022 Contained-In determination, as beneficial use clean fill at select EarthEfficient LLC New Jersey facilities.

The NYSDEC DMM BHWRM reviewed the request and provided an updated Contained-In determination stating the soil may be transported off site to one of the following EarthEfficient LLC facilities able to accept the soil for reuse as fill under New Jersey State environmental regulation(s):

- Harmony Belvidere Road Facility – 3189 Belvidere Road, Phillipsburg, New Jersey
- Harmony Foul Rift Facility - 1 Foul Rift Road, Belvidere, New Jersey
- XRDS Facility – 190 Pompton Plains Crossroad, Wayne, New Jersey

The updated Contained-In determination is provided in Appendix E.

3.4 Well Decommissioning

On May 6, 2022, the five on-site groundwater monitoring wells, GW-1 through GW-5, and the integral pilot test extraction well, RW-1, were decommissioned in accordance with the *NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy* (CP-43; NYSDEC 2009).

On August 8, 2022, the three on-site AS wells, AS-1 through AS-3, were decommissioned in accordance with the CP-43. The AS wells were decommissioned when a determination was made that they could not be properly protected during the concrete cover system demolition detailed in Section 3.5.

The well decommissioning forms are provided in Appendix F.

[3] Material Recovery Facilities, 6 NYCRR 361, https://govt.westlaw.com/nycrr/Title6/ChIV/SChB/Part361

3.5 Concrete Slab Cover System Demolition and Off-site Disposal

On August 8, 2022, the concrete slab cover system was demolished and staged on site. On August 16, 2022, the concrete slab cover system was transported off site to Pure Soil Technologies of Farmingdale, New Jersey, for disposal in accordance with the REWP, the Contained-In determination, and all federal, state, and local regulations. A total of 150.63 tons of concrete were transported to Pure Soil Technologies of Farmingdale, New Jersey. The disposal tracking table and manifests are included in Appendix G.

3.6 Redevelopment Excavation and Structural Component Construction

The following subsections detail the redevelopment excavation and associated activities conducted at the subject site including, soil erosion and sediment control, soil excavation and disposal, port-excavation soil sampling, material import, foundation component construction, on-site soil reuse, and reinstallation of engineering controls.

3.6.1 Stormwater Pollution Prevention Plan

Applicable laws and regulations pertaining to storm-water pollution prevention were addressed during the remedial program. Minor erosion and sediment control measures were implemented as the disturbed soil was situated below the surrounding ground surface in one enclosed block surrounded by building structures to the north, west, and south. A temporary wooden security fence was constructed and used as an erosion and sediment control barrier for the roadway to the east. Discharge locations were inspected periodically to determine whether erosion control measures were effective in preventing significant impacts to receptors. No erosion or impacts to potential receptors were noted throughout the duration of the work.

3.6.2 Redevelopment Excavation Activities and Off-site Soil Disposal

The redevelopment excavation activities commenced on December 6, 2022, and concluded on March 2, 2023. Soil-moving activities were conducted intermittently in conjunction with other activities for the construction of the building foundation and other subgrade components. A QEP or person under their supervision was present on site for all soil-moving activities, screening all soil moved in accordance with the REWP.

From December 6 through December 13, 2022, periodic minor excavation and intrusive activities were conducted to facilitate the installation of support of excavation (SOE) components. The soil disturbed during these activities was replaced upon installation of the respective SOE component. Upon completion of the SOE installation, on-site work was temporarily suspended pending inspections and approvals of the architectural and building plans.

Redevelopment excavation resumed on January 11, 2023, and concluded on March 2, 2023. During this time, periodic activities involving soil excavation, stockpiling, grading, and load-out for off-site disposal were conducted. A QEP or person under their supervision provided on-site oversight for materials excavation and load-out in accordance with the responsibilities outlined in the REWP.

A total of 1,219.25 tons of soil was transported as non-hazardous material for beneficial reuse—969.41 tons to Harmony Foul Rift in Belvidere, New Jersey, and 249.84 tons to XRDS Recycling in Wayne, New Jersey. The soil was transported and disposed in accordance with the REWP, the Contained-In determination, and all federal, state, and local regulations. The disposal manifests in Appendix H include a table summarizing the details of the transport and disposal of each load of soil.

3.6.3 Documentation Soil Sampling

During excavation activities, nine post-excavation soil samples were collected from the subject site at the base of the excavation. Side wall samples were not collected as the excavation did not extend beneath the neighboring foundations. The samples, identified as PX-N, PX-NE, PX-E, PX-SE, PX-S, PX-SW, PX-W, PX-NW, and PX-C, were analyzed for TCL VOCs and representative total solids analysis by EPA Methods 8260C and SM2540G, respectively.

Prior to collection, the soils were field screened for volatile organic vapors using a PID and were visually inspected for evidence of impacts. The soil samples were collected using three 5-gram En Core® samplers and 2-ounce, unused, laboratory-supplied jars. Following collection, the samples were transported under chain of custody to Alpha Analytical, an Environmental Laboratory Approval Program-certified laboratory, for the parameters being analyzed. The laboratory report was issued as an Analytical Services Protocol Category B deliverable and is provided in Appendix O. A summary of the analytical results is presented in Table 7 and the data is presented on Figure 5.

Quality control samples were collected and analyzed as outlined in the QAPP. The post-excavation documentation samples were validated by Alpha Geoscience. Alpha Geoscience prepared the DUSRs in accordance with DER-10 requirements. The independent data validation determined all analytical results are usable as reported or with minor qualifications due to laboratory quality control outliers. The post-excavation DUSRs and validated data reports are included as Appendix N.

The data generated and utilized as documentation samples was submitted in an electronic data deliverable that complies with the NYSDEC's *Electronic Data Warehouse Standards* or as otherwise directed by DER-10.

3.6.4 Material Import and Vapor Retarder Installation

A *Request to Import/Reuse Fill or Soil* form was submitted to the NYSDEC on December 12, 2022, requesting authorization to import up to 200 cubic yards of ¾-inch stone fill material from Tilcon NY of West Nyack, New York. Import approval was granted by the NYSDEC in an email dated January 3, 2023(Appendix I). Throughout the REWP activities, 91.19 tons of the above-specified fill material was imported and placed on top of the existing soil at thicknesses ranging between 4 to 6 inches. The

imported material was inspected on site prior to acceptance per the Interim SMP and REWP. Copies of the weight and delivery tickets of the imported material are included in Appendix I.

A 6-mil Stego® Industries Vapor Retarder was installed on top of the ¾-inch stone and will act as an additional demarcation layer between the mat foundation and existing soil at the subject site. The vapor retarder underlays all building foundation components detailed in Section 3.6.5.

3.6.5 Foundation Component Construction and Access Port Installs

The primary structural foundation component is a concrete mat footing that extends across the building footprint. The concrete mat footing is 24 to 30 inches thick, with the base at approximately 4.5 feet bgs. The mat foundation is underlain with a vapor retarder and 4 to 6 inches of the imported ¾-inch stone, except in the following locations where deeper foundation components were constructed:

- **Southern side of building.** The excavation was extended to approximately 12 feet bgs to meet the base of the neighboring building foundation where a larger concrete foundation structure was poured. The mat foundation is directly on top of this structure, while the vapor retarder extends below the deeper foundation structure.
- **North center of building.** The excavation was extended to approximately 8 feet bgs, in an approximately 10- by 20-foot area, for the elevator pit. The mat footing dropped down in this area to act as the base of the elevator pit and is underlain by the vapor retarder.
- **East center of building.** The excavation was extended to approximately 8 feet bgs, in an approximately 30- by 15-foot area, for a rooftop stormwater collection basin. The mat footing dropped down in this area to act as the base of the stormwater collection basin and is underlain by the vapor retarder.

Above the mat footing (except at the elevator pit and stormwater collection basin), approximately 18 to 24 inches of on-site soil was reused (placed and compacted) underneath a 6-inch concrete slab-on-grade. Details regarding the on-site soil reuse are provided in Section 3.6.6.

Wooden frames extending from the top of the vapor retarder through the concrete slab-on-grade were constructed at locations adjacent to the prior groundwater monitoring wells, AS wells, and SVE recovery wells, prior to the pouring of concrete or placement of associated fill material. The wooden frames provided access for the reinstallation of the monitoring well network and if needed, the reinstallation of the AS wells and SVE recovery wells after the concrete slab-on-grade was poured. The approximate locations of these frames are shown on Figure 6 as the monitoring well reinstallation locations and future AS/SVE well, if needed.

3.6.6 Onsite Soil Reuse Request

A *Request to Import/Reuse Fill or Soil* form was submitted to the NYSDEC on February 21, 2023, requesting authorization to reuse 500 to 800 cubic yards of soil excavated from the subject site as part of the final site cover above the demarcation layer. The analytical data from soil samples collected during the LSI activities, and the per- and polyfluoroalkyl substances analytical data from composite samples collected on February 9, 2023, were provided to the NYSDEC as part of the request. Approval to

reuse the on-site soil was granted by the NYSDEC in an email dated February 24, 2023, which is included as Appendix J. During redevelopment activities, approximately 550 cubic yards of excavated soil was placed on top of the mat foundation and below the final slab-on-grade concrete floor.

3.7 AS/SVE Subgrade Infrastructure Construction

Subgrade piping was installed for the AS/SVE system within the soil between the mat foundation and concrete slab-on-grade in the locations shown on Figure 6. The subgrade piping extended horizontally from the respective AS well and SVE recovery well wooden frames, stubbed up via a 90-degree fitting adjacent to columns, and temporarily capped. Two-inch-diameter PVC piping was installed for the AS well runs, and 4-inch-diameter PVC piping was installed for the SVE well runs.

Five vapor monitoring points were installed at a depth of 5 feet bgs, which is approximately 6 inches below the vapor retarder and within the ¾-inch stone layer. The locations of the vapor monitoring points are shown on Figure 6.

Further details regarding the AS/SVE system are provided in Section 4.3.

3.8 Cover System Restoration

The foundation components restore the cover system in a manner that complied with the environmental easement and Interim SMP. As such, a vapor retarder was installed beneath the mat foundation or beneath lower structural foundation components, which serves as the demarcation layer and will provide a visual reference to the top of the potential remaining contamination zone. Above the mat foundation, which was installed at thicknesses ranging between 24 to 30 inches, approximately 2 feet of reused soil was installed. The cover system was then completed with a 6-inch concrete slab-on-grade.

3.9 Monitoring Well Network Reinstallation

Following installation of the concrete slab-on-grade, five monitoring wells (GW-1R, GW-2R, GW-3R, GW-5R, and GW-6) were installed at the subject site by Coastal Environmental Solutions, Inc. under the supervision of EECC. The wells were installed through the wooden frames adjacent to the former monitoring wells GW-1, GW-2, GW-3, and GW-5 respectively. GW-6 was installed through the wooden frame placed at the location of the circular saw-cut in the former concrete slab, to collect groundwater data from this location as indicated by the PRAP/ROD. The monitoring wells were installed via direct-push methods to a depth of 30 feet bgs and were constructed using 15 feet of 2-inch-diameter, 0.020-slot PVC well screen and 15 feet of 2-inch-diameter PVC riser. The wells were finished with sand from 13 to 30 feet below the slab, a bentonite seal from 11 to 13 feet below the slab, sand from 5 to 13 feet below the slab, grout to from 1 to 5 feet below the slab, and completed with a flush-mount and concrete pad at the surface. Copies of the well construction logs are provided in Appendix K.

During installation, groundwater was encountered at approximately 20 feet below the top-of-casing for the five monitoring wells. Following installation, the monitoring wells were developed, and the purge water was containerized in 55-gallon drums pending Contained-In determination sampling and

subsequent off-site disposal. Thereafter, the monitoring wells were allowed to stabilize before groundwater sampling was conducted in April 2023. The results of the groundwater sampling will be reported in a periodic review report in July 2023.

4 Institutional/Engineering Controls

Institutional and engineering controls are currently in place at the subject site per the environmental easement and Interim SMP, respectively. As anticipated, the environmental easement was amended to update the property use, and the engineering controls at the subject site impacted by the redevelopment excavation. The current status of the amended environmental easement and the restoration and replacement of the engineering controls is detailed in this section.

4.1 Environmental Easement Amendment

The subject site previously had an environmental easement in place, restricting the property's use to be commercial or industrial as described in 6 NYCRR §375-1.8(g)(2)(iii) and 375-1.8(g)(2)(iv), respectively. The environmental easement was amended as of April 3, 2023, to include Restricted Residential Use as described in 6 NYCRR § 375-1.8(g)(2)(ii). The current environmental easement and the April 3, 2023, amendment are provided as Appendix A.

4.2 Cover System

Exposure to remaining contamination at the subject site is prevented by a cover system placed over the site. The cover system components are detailed in *Section 3.8*. Figure 7 presents the location of the cover system and applicable demarcation layers. The *Excavation Work Plan* provided in the Interim SMP outlines the procedures required to be implemented in the event the cover system is breached, penetrated, or temporarily removed, and any underlying remaining contamination is disturbed. Procedures for the inspection of this cover are provided in the "Monitoring and Sampling Plan" included in Section 4.0 of the Interim SMP. Any work conducted pursuant to the *Excavation Work Plan* must also be conducted in accordance with the procedures defined in a HASP and associated CAMP. Any disturbance of the cover system shall be overseen by a QEP (as defined in 6 NYCRR 375), a NYS-licensed Professional Engineer, or a qualified person who reports directly to a New York State licensed Professional Engineer.

4.3 AS/SVE System

As detailed in Section 3.4, the AS wells could not be protected during the redevelopment excavation and therefore were decommissioned in accordance with CP-43. The SVE recovery wells were compromised during the excavation activities and were determined to no longer be viable. Access ports and sub-grade conveyance piping were installed within the cover system to facilitate reinstallation of the AS/SVE wells and system in the future, if needed. At this time, the AS/SVE system has not been reinstalled to allow for remedial effectiveness monitoring during the ongoing construction of the building. The remedial effectiveness monitoring will be evaluated and presented in an annual periodic review report (PRR) submitted to the NYSDEC.

4.4 Monitoring Well Network

The Interim SMP requires ongoing and periodic groundwater monitoring at the subject site. As detailed in Sections 3.4 and 3.9, the existing groundwater monitoring wells were decommissioned prior to the redevelopment excavation and subsequently reinstalled. The reinstalled groundwater monitoring well network will be utilized to complete the ongoing periodic groundwater monitoring in accordance with the Interim SMP.

5 Conclusions

The redevelopment excavation activities were generally implemented in accordance with the NYSDEC-approved REWP. All redevelopment excavation activities were overseen by a QEP or by a person under their supervision. All excavated materials, including concrete and soil, were managed and disposed off site or reused on site in accordance with the REWP, the Contained-In determinations, and all federal, state, and local regulations. All material imported to the subject site was from a DER -approved source. Community air monitoring was conducted during all ground intrusive and soil moving activities pursuant to the CAMP.

All engineering controls impacted by the REWP activities were either fully restored or partially restored with future full restoration, if needed. The cover system and monitoring well network were fully restored as detailed in Sections 4.2 and 4.4. The AS/SVE wells and system are currently partially restored as detailed in Section 4.3. The environmental easement was amended to update the restricted site use institutional controls to allow Restricted Residential Use based on the anticipated use of the new building.

The new building is under construction and is anticipated to be completed in 2025. Groundwater monitoring was conducted in April 2023 and will be reported in the 2023 PRR. The results of the groundwater monitoring will also serve as part of the remedial effectiveness assessment of the AS/SVE system, which will be evaluated as part of the PRR.

6 References

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Tables

1 Limited Soil Investigation Program
2 LSI Sampling Analyses Details
3 LSI Discrete Soil Sampling Results
4 LSI Composite Soil Sampling Results
5 LSI Discrete Concrete Sampling Results
6 LSI Composite Concrete Sampling Results
7 Post-Excavation Documentation Soil Sampling Results

Table 1 - Limited Soil Investigation Program
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Soil Boring ID	Total Depth (ft)	Sample ID	Sample Depth (ft bgs)	Analytical Parameters**
Discrete Samples				
SB-08	20	SB-08 (0-5)	0-5	TCL VOCs, Total Solids
		SB-08 (8-8.5)	5-10	TCL VOCs, Total Solids
SB-09	10	SB-09 (4-4.5)	0-5	TCL VOCs, Total Solids
		SB-09 (7-7.5)	5-10	TCL VOCs, Total Solids
SB-10	20	SB-10 (2-2.5)	0-5	TCL VOCs, Total Solids
		SB-10 (7-7.5)	5-10	TCL VOCs, Total Solids
		SB-10 (15-15.5)	15-20	TCL VOCs, Total Solids
SB-11	10	SB-11 (4-4.5)	0-5	TCL VOCs, Total Solids
		SB-11 (9.5-10)	5-10	TCL VOCs, Total Solids
SB-12	20	SB-12 (0-5)	0-5	TCL VOCs, Total Solids
		SB-12 (7-8)	5-10	TCL VOCs, Total Solids
		SB-12 (15-15.5)	15-20	TCL VOCs, Total Solids
SB-13	10	SB-13 (2-2.5)	0-5	TCL VOCs, Total Solids
		SB-13 (7-7.5)	5-10	TCL VOCs, Total Solids
SB-14	20	SB-14 (4-5)	0-5	TCL VOCs, Total Solids
		SB-14 (6-10)	5-10	TCL VOCs, Total Solids
SB-15	20	SB-15 (3-5)	0-5	TCL VOCs, Total Solids
		SB-15 (12-13)	5-10	TCL VOCs, Total Solids
SB-16	10	SB-16 (3-5)	0-5	TCL VOCs, Total Solids
		SB-16 (7-7.5)	5-10	TCL VOCs, Total Solids
QA/QC Samples* **				
SB-15 (3-5)	n/a	DUP	0-5	TCL VOCs, Total Solids
Field Blank	n/a	FB	n/a	TCL VOCs
Trip Blank	n/a	TB	n/a	TCL VOCs

Notes:
ft - feet
bgs - below ground surface
TCL - Target Compound List
VOC - Volatile Organic Compounds
n/a - Not Applicable
** See Table 2 for details on laboratory methods and associated sampling requirements
*** QA/QC samples collected per the QAPP

Table 1 - Limited Soil Investigation Program
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Sample ID	Soil Borings	Sample Depths (bgs)*	Analytical Parameters**
COMP-1	SB-08	0-10’	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-11		
	SB-14		
COMP-2	SB-09	0-10’	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-12		
	SB-15		
COMP-3	SB-10	0-10'	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-13		
	SB-16		
COMP-4	COMP-1	0-10'	Ignitability, Reactive Cyanide + Sulfide, Corrosivity, Paint Filter
	COMP-2		
	COMP-3		

Notes:
ft - feet
bgs - below ground surface
TCL - Target Compound List
VOC - Volatile Organic Compounds
SVOC - Semi-Volatile Organic Compounds
PCB - Polchlorinated Biphenyls
TAL - Target Analyte List
TCLP - Toxic Characteristic Leaching Procedure
n/a - Not Applicable

Table 2 - LSI Sampling Analyses Details

Bridge Cleaners

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Analysis	Methods	Container	Suggested Quantity	Preservative	Holding Time
DISCRETE SAMPLES					
TCL VOCs	8260C/D / 5035A	(3) Encore Samplers	15 Grams (Three 5-gram samplers)	4°C	48 Hours
Total Solids	SM2540G	Clear Glass/Plastic	2 oz. Container	4°C	28 Days (Extraction)
COMPOSITE SAMPLES					
NYTCL SVOCS + 1,4 Dioxane	8270D/E, 8270D/E-SIM	Glass	8 oz. Container	4°C	14 Days (Extraction)
TCL Pests	8081B			4°C	14 Days (Extraction)
TCL PCBs	8082A			4°C	14 Days (Extraction)
Total Cyanide	9010C/9012B			4°C	14 Days (Extraction)
TAL Metals + Hg	6020/Hg	Glass	2 oz. Container	4°C	14 Days (Extraction)

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-8 (0-5)		SB-8 (8-8.5)		SB-9 (4-5)		SB-9 (7-7.5)	
SAMPLING DATE			4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID			460-255692-1		460-255692-2		460-255692-10		460-255692-11	
TOTAL SOLIDS (%)			94.8		96.3		99.0		97.5	
Volatiles BY 8260D (mg/kg)										
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	0.68	100	0.00031	U	0.00032	U	0.00031	U	0.00030	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00028	U	0.00030	U	0.00029	U	0.00027	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00040	U *+	0.00042	U *+	0.00040	U *+	0.00039	U *+
1,1,2-Trichloroethane	NA	NA	0.00024	U	0.00025	U	0.00024	U	0.00023	U
1,1-Dichloroethane	0.27	26	0.00027	U	0.00029	U	0.00028	U	0.00026	U
1,1-Dichloroethene	0.33	100	0.00030	U *+	0.00031	U *+	0.00030	U *+	0.00029	U *+
1,2,3-Trichlorobenzene	NA	NA	0.00024	U	0.00025	U	0.00024	U	0.00023	U
1,2,4-Trichlorobenzene	NA	NA	0.00048	U	0.00050	U	0.00048	U	0.00046	U
1,2,4-Trimethylbenzene	3.6	52	0.00033	U	0.00034	U	0.00033	U	0.00032	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00061	U	0.00064	U	0.00062	U	0.00059	U
1,2-Dichlorobenzene	1.1	100	0.00048	U	0.00050	U	0.00048	U	0.00046	U
1,2-Dichloroethane	NA	3.1	0.00039	U	0.00041	U	0.00040	U	0.00038	U
1,2-Dichloropropane	NA	NA	0.00056	U	0.00059	U	0.00057	U	0.00054	U
1,3,5-Trimethylbenzene	8.4	52	0.00042	U	0.00043	U	0.00042	U	0.00040	U
1,3-Dichlorobenzene	2.4	49	0.00048	U	0.00051	U	0.00049	U	0.00047	U
1,4-Dichlorobenzene	1.8	13	0.00030	U	0.00031	U	0.00030	U	0.00029	U
2-Butanone (MEK)	0.12	100	0.00049	U	0.00051	U	0.00049	U	0.00047	U
2-Hexanone	NA	NA	0.0023	U	0.0024	U	0.0023	U	0.0022	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0021	U	0.0022	U	0.0021	U	0.0020	U
Acetone	0.05	100	**0.015**		**0.0090**		**0.030**		**0.033**	
Benzene	0.06	4.8	0.00034	U	0.00036	U	0.00035	U	0.00033	U
Bromoform	NA	NA	0.00056	U	0.00059	U	0.00057	U	0.00055	U
Bromomethane	NA	NA	0.0013	U	0.0014	U	0.0013	U	0.0013	U
Carbon disulfide	NA	NA	0.00035	U	0.00037	U	0.00036	U	0.00034	U
Carbon tetrachloride	0.76	2.4	0.00051	U	0.00054	U	0.00052	U	0.00050	U
Chlorobenzene	1.1	100	0.00024	U	0.00025	U	0.00024	U	0.00023	U
Chlorobromomethane	NA	NA	0.00037	U	0.00039	U	0.00038	U	0.00036	U
Chlorodibromomethane	NA	NA	0.00026	U	0.00027	U	0.00026	U	0.00025	U
Chloroethane	NA	NA	0.00069	U	0.00072	U	0.00070	U	0.00067	U
Chloroform	0.37	49	0.0013	U	0.0013	U	0.0013	U	0.0012	U
Chloromethane	NA	NA	0.00058	U	0.00060	U	0.00058	U	0.00056	U
cis-1,2-Dichloroethene	0.25	100	0.00048	U	0.00050	U	0.00048	U	0.00046	U
cis-1,3-Dichloropropene	NA	NA	0.00036	U	0.00038	U	0.00037	U	0.00035	U
Cyclohexane	NA	NA	0.00029	U	0.00031	U	0.00030	U	0.00028	U
Dichlorobromomethane	NA	NA	0.00034	U	0.00036	U	0.00035	U	0.00033	U
Dichlorodifluoromethane	NA	NA	0.00045	U	0.00047	U	0.00045	U	0.00043	U
Ethylbenzene	1	41	0.00026	U	0.00028	U	0.00027	U	0.00026	U
Ethylene Dibromide	NA	NA	0.00024	U	0.00025	U	0.00024	U	0.00023	U
Isopropylbenzene	NA	NA	0.00038	U	0.00039	U	0.00038	U	0.00037	U
Methyl acetate	NA	NA	0.0057	U	0.0060	U	0.0058	U	0.0055	U
Methyl tert-butyl ether	0.93	100	0.00068	U	0.00071	U	0.00069	U	0.00066	U
Methylcyclohexane	NA	NA	0.00066	U	0.00069	U	0.00067	U	0.00064	U
Methylene Chloride	0.05	100	0.0015	U	0.0016	U	0.0015	U	0.0015	U
m-Xylene & p-Xylene	NA	NA	0.00023	U	0.00024	U	0.00023	U	0.00022	U
n-Butylbenzene	12	100	0.00039	U	0.00041	U	0.00039	U	0.00038	U
N-Propylbenzene	3.9	100	0.00023	U	0.00024	U	0.00024	U	0.00022	U
o-Xylene	NA	NA	0.00026	U	0.00027	U	0.00026	U	0.00025	U
sec-Butylbenzene	11	100	0.00038	U	0.00040	U	0.00039	U	0.00037	U
Styrene	NA	NA	0.00037	U	0.00038	U	0.00037	U	0.00036	U
tert-Butylbenzene	5.9	100	0.00037	U	0.00038	U	0.00037	U	0.00035	U
Tetrachloroethene	1.3	19	**0.012**		0.00042	U	0.00041	U	0.00039	U
Toluene	0.7	100	**0.0013**		0.00032	U	0.00031	U	0.00030	U
trans-1,2-Dichloroethene	0.19	100	0.00033	U	0.00034	U	0.00033	U	0.00032	U
trans-1,3-Dichloropropene	NA	NA	0.00035	U	0.00037	U	0.00036	U	0.00034	U
Trichloroethene	0.47	21	0.00043	U	0.00044	U	0.00043	U	0.00041	U
Trichlorofluoromethane	NA	NA	0.00054	U	0.00056	U	0.00055	U	0.00052	U
Vinyl chloride	0.02	0.9	0.00073	U	0.00076	U	0.00073	U	0.00070	U
Xylenes, Total	0.26	100	0.00085	U	0.00089	U	0.00086	U	0.00082	U
Total Estimated Conc. (TICs)	NA	NA	--	--	--	--	--	--	--	--

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-10 (2.5-5)		SB-10 (7-7.5)		SB-10 (15-15.5)		SB-11 (4-4.5)	
SAMPLING DATE			4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID			460-255692-15		460-255692-16		460-255692-17		460-255692-3	
TOTAL SOLIDS (%)			97.0		96.7		92.2		86.4	
Volatiles BY 8260D (mg/kg)										
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	0.68	100	0.00029	U	0.00029	U	0.00032	U	0.00035	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00027	U	0.00027	U	0.00029	U	0.00033	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00037	U *+	0.00038	U *+	0.00041	U *+	0.00046	U *+
1,1,2-Trichloroethane	NA	NA	0.00022	U	0.00022	U	0.00024	U	0.00027	U
1,1-Dichloroethane	0.27	26	0.00026	U	0.00026	U	0.00028	U	0.00031	U
1,1-Dichloroethene	0.33	100	0.00028	U *+	0.00028	U *+	0.00031	U *+	0.00034	U *+
1,2,3-Trichlorobenzene	NA	NA	0.00023	U	0.00023	U	0.00025	U	0.00028	U
1,2,4-Trichlorobenzene	NA	NA	0.00045	U	0.00045	U	0.00049	U	0.00054	U
1,2,4-Trimethylbenzene	3.6	52	0.00031	U	0.00031	U	0.00034	U	0.00037	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00057	U	0.00058	U	0.00063	U	0.00070	U
1,2-Dichlorobenzene	1.1	100	0.00045	U	0.00045	U	0.00049	U	0.00055	U
1,2-Dichloroethane	NA	3.1	0.00037	U	0.00037	U	0.00041	U	0.00045	U
1,2-Dichloropropane	NA	NA	0.00053	U	0.00053	U	0.00058	U	0.00064	U
1,3,5-Trimethylbenzene	8.4	52	0.00039	U	0.00039	U	0.00043	U	0.00048	U
1,3-Dichlorobenzene	2.4	49	0.00045	U	0.00046	U	0.00050	U	0.00056	U
1,4-Dichlorobenzene	1.8	13	0.00028	U	0.00028	U	0.00031	U	0.00034	U
2-Butanone (MEK)	0.12	100	0.00046	U	0.00046	U	0.00050	U	0.00056	U
2-Hexanone	NA	NA	0.0021	U	0.0021	U	0.0023	U	0.0026	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0019	U	0.0019	U	0.0021	U	0.0024	U
Acetone	0.05	100	**0.033**		**0.049**		**0.051**		**0.0088**	J
Benzene	0.06	4.8	0.00032	U	0.00032	U	0.00035	U	0.00039	U
Bromoform	NA	NA	0.00053	U	0.00053	U	0.00058	U	0.00065	U
Bromomethane	NA	NA	0.0012	U	0.0013	U	0.0014	U	0.0015	U
Carbon disulfide	NA	NA	0.00033	U	0.00033	U	0.00036	U	0.00040	U
Carbon tetrachloride	0.76	2.4	0.00048	U	0.00048	U	0.00053	U	0.00059	U
Chlorobenzene	1.1	100	0.00022	U	0.00022	U	0.00024	U	0.00027	U
Chlorobromomethane	NA	NA	0.00035	U	0.00035	U	0.00038	U	0.00043	U
Chlorodibromomethane	NA	NA	0.00024	U	0.00024	U	0.00027	U	0.00030	U
Chloroethane	NA	NA	0.00065	U	0.00065	U	0.00072	U	0.00079	U
Chloroform	0.37	49	0.0012	U	0.0012	U	0.0013	U	0.0015	U
Chloromethane	NA	NA	0.00054	U	0.00054	U	0.00060	U	0.00066	U
cis-1,2-Dichloroethene	0.25	100	0.00045	U	0.00045	U	0.00049	U	0.00054	U
cis-1,3-Dichloropropene	NA	NA	0.00034	U	0.00034	U	0.00037	U	0.00042	U
Cyclohexane	NA	NA	0.00028	U	0.00028	U	0.00030	U	0.00034	U
Dichlorobromomethane	NA	NA	0.00032	U	0.00032	U	0.00035	U	0.00039	U
Dichlorodifluoromethane	NA	NA	0.00042	U	0.00042	U	0.00046	U	0.00051	U
Ethylbenzene	1	41	0.00025	U	0.00025	U	0.00027	U	0.00030	U
Ethylene Dibromide	NA	NA	0.00022	U	0.00023	U	0.00025	U	0.00027	U
Isopropylbenzene	NA	NA	0.00035	U	0.00036	U	0.00039	U	0.00043	U
Methyl acetate	NA	NA	0.0054	U	0.0054	U	0.0059	U	0.0065	U
Methyl tert-butyl ether	0.93	100	0.00064	U	0.00064	U	0.00070	U	0.00078	U
Methylcyclohexane	NA	NA	0.00062	U	0.00062	U	0.00068	U	0.00076	U
Methylene Chloride	0.05	100	0.0014	U	0.0014	U	0.0016	U	0.0017	U
m-Xylene & p-Xylene	NA	NA	0.00022	U	0.00022	U	0.00024	U	0.00026	U
n-Butylbenzene	12	100	0.00037	U	0.00037	U	0.00040	U	0.00045	U
N-Propylbenzene	3.9	100	0.00022	U	0.00022	U	0.00024	U	0.00027	U
o-Xylene	NA	NA	0.00024	U	0.00024	U	0.00027	U	0.00030	U
sec-Butylbenzene	11	100	0.00036	U	0.00036	U	0.00039	U	0.00044	U
Styrene	NA	NA	0.00035	U	0.00035	U	0.00038	U	0.00042	U
tert-Butylbenzene	5.9	100	0.00034	U	0.00035	U	0.00038	U	0.00042	U
Tetrachloroethene	1.3	19	**0.024**		**0.00080**	J	**0.00092**	J	0.00046	U
Toluene	0.7	100	0.00029	U	0.00029	U	0.00032	U	0.00036	U
trans-1,2-Dichloroethene	0.19	100	0.00031	U	0.00031	U	0.00034	U	0.00037	U
trans-1,3-Dichloropropene	NA	NA	0.00033	U	0.00033	U	0.00036	U	0.00040	U
Trichloroethene	0.47	21	0.00040	U	0.00040	U	0.00044	U	0.00049	U
Trichlorofluoromethane	NA	NA	0.00051	U	0.00051	U	0.00056	U	0.00062	U
Vinyl chloride	0.02	0.9	0.00068	U	0.00068	U	0.00075	U	0.00083	U
Xylenes, Total	0.26	100	0.00080	U	0.00080	U	0.00088	U	0.00098	U
Total Estimated Conc. (TICs)	NA	NA	--	--	--	--	--	--	--	--

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-11 (9.5-10)		SB-12 (0-5)		SB-12 (7-8)		SB-12 (15-15.5)	
SAMPLING DATE			4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID			460-255692-4		460-255692-12		460-255692-13		460-255692-14	
TOTAL SOLIDS (%)			98.2		90.5		84.9		84.2	
Volatiles BY 8260D (mg/kg)										
ANALYTE	**NY-UNRES**	**NY-RESR**	**Results**	**Q**	**Results**	**Q**	**Results**	**Q**	**Results**	**Q**
1,1,1-Trichloroethane	0.68	100	0.00029	U	0.00036	U	0.00023	U	0.00026	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00027	U	0.00033	U	0.00021	U	0.00024	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00038	U *+	0.00046	U *+	0.00030	U *+	0.00033	U *+
1,1,2-Trichloroethane	NA	NA	0.00022	U	0.00027	U	0.00018	U	0.00020	U
1,1-Dichloroethane	0.27	26	0.00026	U	0.00032	U	0.00020	U	0.00023	U
1,1-Dichloroethene	0.33	100	0.00028	U *+	0.00035	U *+	0.00022	U *+	0.00025	U *+
1,2,3-Trichlorobenzene	NA	NA	0.00023	U	0.00028	U	0.00018	U	0.00020	U
1,2,4-Trichlorobenzene	NA	NA	0.00045	U	0.00055	U	0.00035	U	0.00040	U
1,2,4-Trimethylbenzene	3.6	52	0.00031	U	0.00038	U	0.00024	U	0.00027	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00058	U	0.00071	U	0.00046	U	0.00051	U
1,2-Dichlorobenzene	1.1	100	0.00046	U	0.00056	U	0.00036	U	0.00040	U
1,2-Dichloroethane	NA	3.1	0.00037	U	0.00046	U	0.00029	U	0.00033	U
1,2-Dichloropropane	NA	NA	0.00053	U	0.00065	U	0.00042	U	0.00047	U
1,3,5-Trimethylbenzene	8.4	52	0.00040	U	0.00048	U	0.00031	U	0.00035	U
1,3-Dichlorobenzene	2.4	49	0.00046	U	0.00056	U	0.00036	U	0.00041	U
1,4-Dichlorobenzene	1.8	13	0.00028	U	0.00035	U	0.00022	U	0.00025	U
2-Butanone (MEK)	0.12	100	0.00047	U	0.00057	U	0.00036	U	0.00041	U
2-Hexanone	NA	NA	0.0022	U	0.0026	U	0.0017	U	0.0019	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0020	U	0.0024	U	0.0015	U	0.0017	U
Acetone	0.05	100	**0.018**		**0.012**		**0.015**		**0.035**	
Benzene	0.06	4.8	0.00033	U	0.00040	U	0.00026	U	0.00029	U
Bromoform	NA	NA	0.00054	U	0.00065	U	0.00042	U	0.00047	U
Bromomethane	NA	NA	0.0013	U	0.0015	U	0.00099	U	0.0011	U
Carbon disulfide	NA	NA	0.00034	U	0.00041	U	0.00026	U	0.00030	U
Carbon tetrachloride	0.76	2.4	0.00049	U	0.00060	U	0.00038	U	0.00043	U
Chlorobenzene	1.1	100	0.00022	U	0.00027	U	0.00018	U	0.00020	U
Chlorobromomethane	NA	NA	0.00036	U	0.00043	U	0.00028	U	0.00031	U
Chlorodibromomethane	NA	NA	0.00025	U	0.00030	U	0.00019	U	0.00022	U
Chloroethane	NA	NA	0.00066	U	0.00080	U	0.00052	U	0.00058	U
Chloroform	0.37	49	0.0012	U	0.0015	U	0.00096	U	0.0011	U
Chloromethane	NA	NA	0.00055	U	0.00067	U	0.00043	U	0.00048	U
cis-1,2-Dichloroethene	0.25	100	0.00045	U	0.00055	U	0.00035	U	0.00040	U
cis-1,3-Dichloropropene	NA	NA	0.00035	U	0.00042	U	0.00027	U	0.00030	U
Cyclohexane	NA	NA	0.00028	U	0.00034	U	0.00022	U	0.00025	U
Dichlorobromomethane	NA	NA	0.00032	U	0.00040	U	0.00025	U	0.00029	U
Dichlorodifluoromethane	NA	NA	0.00043	U	0.00052	U	0.00033	U	0.00038	U
Ethylbenzene	1	41	0.00025	U	0.00031	U	0.00020	U	0.00022	U
Ethylene Dibromide	NA	NA	0.00023	U	0.00028	U	0.00018	U	0.00020	U
Isopropylbenzene	NA	NA	0.00036	U	0.00044	U	0.00028	U	0.00032	U
Methyl acetate	NA	NA	0.0054	U	0.0066	U	0.0043	U	0.0048	U
Methyl tert-butyl ether	0.93	100	0.00065	U	0.00079	U	0.00051	U	0.00057	U
Methylcyclohexane	NA	NA	0.00063	U	0.00077	U	0.00049	U	0.00055	U
Methylene Chloride	0.05	100	0.0014	U	0.0018	U	0.0011	U	0.0013	U
m-Xylene & p-Xylene	NA	NA	0.00022	U	**0.00028**	J	0.00017	U	**0.00020**	J
n-Butylbenzene	12	100	0.00037	U	0.00045	U	0.00029	U	0.00033	U
N-Propylbenzene	3.9	100	0.00022	U	0.00027	U	0.00017	U	0.00019	U
o-Xylene	NA	NA	0.00025	U	**0.00034**	J	0.00019	U	0.00022	U
sec-Butylbenzene	11	100	0.00036	U	0.00044	U	0.00029	U	0.00032	U
Styrene	NA	NA	0.00035	U	0.00043	U	0.00028	U	0.00031	U
tert-Butylbenzene	5.9	100	0.00035	U	0.00042	U	0.00027	U	0.00031	U
Tetrachloroethene	1.3	19	0.00039	U	**0.016**		**0.00077**	J	0.00034	U
Toluene	0.7	100	0.00030	U	0.00036	U	0.00023	U	0.00026	U
trans-1,2-Dichloroethene	0.19	100	0.00031	U	0.00038	U	0.00024	U	0.00027	U
trans-1,3-Dichloropropene	NA	NA	0.00034	U	0.00041	U	0.00026	U	0.00030	U
Trichloroethene	0.47	21	0.00041	U	0.00049	U	0.00032	U	0.00036	U
Trichlorofluoromethane	NA	NA	0.00051	U	0.00062	U	0.00040	U	0.00045	U
Vinyl chloride	0.02	0.9	0.00069	U	0.00084	U	0.00054	U	0.00061	U
Xylenes, Total	0.26	100	0.00081	U	0.00099	U	0.00064	U	0.00071	U
Total Estimated Conc. (TICs)	NA	NA	--	--	--	--	--	--	**0.0057**	J

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-13 (2-2.5)		SB-13 (7-7.5)		SB-14 (4-5)		SB-14 (6-10)	
SAMPLING DATE			4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID			460-255692-18		460-255692-19		460-255692-5		460-255692-6	
TOTAL SOLIDS (%)			95.9		83.7		91.7		90.3	
Volatiles BY 8260D (mg/kg)										
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	0.68	100	0.00028	U	0.00025	U	0.00024	U	0.00025	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00026	U	0.00023	U	0.00022	U	0.00023	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00036	U *+	0.00032	U *+	0.00031	U *+	0.00032	U *+
1,1,2-Trichloroethane	NA	NA	0.00021	U	0.00019	U	0.00019	U	0.00019	U
1,1-Dichloroethane	0.27	26	0.00025	U	0.00022	U	0.00021	U	0.00022	U
1,1-Dichloroethene	0.33	100	0.00027	U *+	0.00024	U *+	0.00023	U *+	0.00024	U *+
1,2,3-Trichlorobenzene	NA	NA	0.00022	U	0.00019	U	0.00019	U	0.00019	U
1,2,4-Trichlorobenzene	NA	NA	0.00043	U	0.00038	U	0.00037	U	0.00038	U
1,2,4-Trimethylbenzene	3.6	52	0.00030	U	0.00026	U	0.00026	U	0.00026	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00055	U	0.00049	U	0.00048	U	0.00049	U
1,2-Dichlorobenzene	1.1	100	0.00044	U	0.00039	U	0.00038	U	0.00038	U
1,2-Dichloroethane	NA	3.1	0.00036	U	0.00032	U	0.00031	U	0.00031	U
1,2-Dichloropropane	NA	NA	0.00051	U	0.00045	U	0.00044	U	0.00045	U
1,3,5-Trimethylbenzene	8.4	52	0.00038	U	0.00034	U	0.00033	U	0.00033	U
1,3-Dichlorobenzene	2.4	49	0.00044	U	0.00039	U	0.00038	U	0.00039	U
1,4-Dichlorobenzene	1.8	13	0.00027	U	0.00024	U	0.00023	U	0.00024	U
2-Butanone (MEK)	0.12	100	0.00044	U	0.00040	U	0.00038	U	0.00039	U
2-Hexanone	NA	NA	0.0021	U	0.0018	U	0.0018	U	0.0018	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0019	U	0.0017	U	0.0016	U	0.0016	U
Acetone	0.05	100	**0.016**		**0.0082**		**0.019**		**0.032**	
Benzene	0.06	4.8	0.00031	U	0.00028	U	0.00027	U	0.00027	U
Bromoform	NA	NA	0.00051	U	0.00046	U	0.00044	U	0.00045	U
Bromomethane	NA	NA	0.0012	U	0.0011	U	0.0010	U	0.0011	U
Carbon disulfide	NA	NA	0.00032	U	0.00029	U	0.00028	U	0.00028	U
Carbon tetrachloride	0.76	2.4	0.00047	U	0.00042	U	0.00040	U	0.00041	U
Chlorobenzene	1.1	100	0.00021	U	0.00019	U	0.00018	U	0.00019	U
Chlorobromomethane	NA	NA	0.00034	U	0.00030	U	0.00029	U	0.00030	U
Chlorodibromomethane	NA	NA	0.00023	U	0.00021	U	0.00020	U	0.00021	U
Chloroethane	NA	NA	0.00063	U	0.00056	U	0.00054	U	0.00055	U
Chloroform	0.37	49	0.0012	U	0.0010	U	0.0010	U	0.0010	U
Chloromethane	NA	NA	0.00052	U	0.00047	U	0.00045	U	0.00046	U
cis-1,2-Dichloroethene	0.25	100	0.00043	U	0.00038	U	0.00037	U	0.00038	U
cis-1,3-Dichloropropene	NA	NA	0.00033	U	0.00029	U	0.00028	U	0.00029	U
Cyclohexane	NA	NA	0.00027	U	0.00024	U	0.00023	U	0.00023	U
Dichlorobromomethane	NA	NA	0.00031	U	0.00028	U	0.00027	U	0.00027	U
Dichlorodifluoromethane	NA	NA	0.00041	U	0.00036	U	0.00035	U	0.00036	U
Ethylbenzene	1	41	0.00024	U	0.00021	U	0.00021	U	0.00021	U
Ethylene Dibromide	NA	NA	0.00022	U	0.00019	U	0.00019	U	0.00019	U
Isopropylbenzene	NA	NA	0.00034	U	0.00031	U	0.00030	U	0.00030	U
Methyl acetate	NA	NA	0.0052	U	0.0046	U	0.0045	U	0.0046	U
Methyl tert-butyl ether	0.93	100	0.00062	U	0.00055	U	0.00053	U	0.00054	U
Methylcyclohexane	NA	NA	0.00060	U	0.00054	U	0.00052	U	0.00053	U
Methylene Chloride	0.05	100	0.0014	U	0.0012	U	0.0012	U	0.0012	U
m-Xylene & p-Xylene	NA	NA	0.00021	U	0.00019	U	**0.00027**	J	0.00018	U
n-Butylbenzene	12	100	0.00035	U	0.00032	U	0.00031	U	0.00031	U
N-Propylbenzene	3.9	100	0.00021	U	0.00019	U	0.00018	U	0.00019	U
o-Xylene	NA	NA	0.00023	U	0.00021	U	**0.00021**	J	0.00021	U
sec-Butylbenzene	11	100	0.00035	U	0.00031	U	0.00030	U	0.00031	U
Styrene	NA	NA	0.00034	U	0.00030	U	0.00029	U	0.00029	U
tert-Butylbenzene	5.9	100	0.00033	U	0.00030	U	0.00029	U	0.00029	U
Tetrachloroethene	1.3	19	**0.023**		**0.00048**	J	**0.0016**		0.00032	U
Toluene	0.7	100	**0.00040**	J	0.00025	U	**0.00039**	J	0.00025	U
trans-1,2-Dichloroethene	0.19	100	0.00030	U	0.00026	U	0.00026	U	0.00026	U
trans-1,3-Dichloropropene	NA	NA	0.00032	U	0.00029	U	0.00028	U	0.00028	U
Trichloroethene	0.47	21	0.00039	U	0.00034	U	0.00033	U	0.00034	U
Trichlorofluoromethane	NA	NA	0.00049	U	0.00044	U	0.00042	U	0.00043	U
Vinyl chloride	0.02	0.9	0.00066	U	0.00059	U	0.00057	U	0.00058	U
Xylenes, Total	0.26	100	0.00077	U	0.00069	U	0.00067	U	0.00068	U
Total Estimated Conc. (TICs)	NA	NA	--	--	--	--	--	--	--	--

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-15 (3-5)		DUP		SB-15 (12-13)		SB-16 (3-5)	
SAMPLING DATE			4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID			460-255692-7		460-255692-9		460-255692-8		460-255692-20	
TOTAL SOLIDS (%)			86.2		85.3		86.9		92.5	
Volatiles BY 8260D (mg/kg)										
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	0.68	100	0.00022	U	0.00026	U	0.00043	U	0.00025	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00020	U	0.00024	U	0.00039	U	0.00023	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00029	U *+	0.00033	U *+	0.00055	U *+	0.00033	U *+
1,1,2-Trichloroethane	NA	NA	0.00017	U	0.00020	U	0.00033	U	0.00019	U
1,1-Dichloroethane	0.27	26	0.00020	U	0.00023	U	0.00038	U	0.00022	U
1,1-Dichloroethene	0.33	100	0.00021	U *+	0.00025	U *+	0.00041	U *+	0.00024	U *+
1,2,3-Trichlorobenzene	NA	NA	0.00017	U	0.00020	U	0.00033	U	0.00020	U
1,2,4-Trichlorobenzene	NA	NA	0.00034	U	0.00039	U	0.00066	U	0.00039	U
1,2,4-Trimethylbenzene	3.6	52	0.00023	U	0.00027	U	0.00045	U	0.00027	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00044	U	0.00051	U	0.00085	U	0.00050	U
1,2-Dichlorobenzene	1.1	100	0.00034	U	0.00040	U	0.00066	U	0.00039	U
1,2-Dichloroethane	NA	3.1	0.00028	U	0.00033	U	0.00054	U	0.00032	U
1,2-Dichloropropane	NA	NA	0.00040	U	0.00047	U	0.00078	U	0.00046	U
1,3,5-Trimethylbenzene	8.4	52	0.00030	U	0.00035	U	0.00058	U	0.00034	U
1,3-Dichlorobenzene	2.4	49	0.00035	U	0.00040	U	0.00067	U	0.00040	U
1,4-Dichlorobenzene	1.8	13	0.00021	U	0.00025	U	0.00041	U	0.00024	U
2-Butanone (MEK)	0.12	100	0.00035	U	0.00041	U	0.00068	U	0.00040	U
2-Hexanone	NA	NA	0.0016	U	0.0019	U	0.0031	U	0.0019	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0015	U	0.0017	U	0.0029	U	0.0017	U
Acetone	0.05	100	**0.0083**		**0.0078**		**0.041**		**0.017**	
Benzene	0.06	4.8	0.00025	U	0.00028	U	0.00047	U	0.00028	U
Bromoform	NA	NA	0.00040	U	0.00047	U	0.00078	U	0.00046	U
Bromomethane	NA	NA	0.00095	U	0.0011	U	0.0018	U	0.0011	U
Carbon disulfide	NA	NA	0.00025	U	0.00029	U	0.00049	U	0.00029	U
Carbon tetrachloride	0.76	2.4	0.00037	U	0.00043	U	0.00071	U	0.00042	U
Chlorobenzene	1.1	100	0.00017	U	0.00020	U	0.00033	U	0.00019	U
Chlorobromomethane	NA	NA	0.00027	U	0.00031	U	0.00052	U	0.00031	U
Chlorodibromomethane	NA	NA	0.00018	U	0.00021	U	0.00036	U	0.00021	U
Chloroethane	NA	NA	0.00050	U	0.00058	U	0.00096	U	0.00057	U
Chloroform	0.37	49	0.00092	U	0.0011	U	0.0018	U	0.0011	U
Chloromethane	NA	NA	0.00041	U	0.00048	U	0.00080	U	0.00047	U
cis-1,2-Dichloroethene	0.25	100	0.00034	U	0.00039	U	0.00066	U	0.00039	U
cis-1,3-Dichloropropene	NA	NA	0.00026	U	0.00030	U	0.00050	U	0.00030	U
Cyclohexane	NA	NA	0.00021	U	0.00024	U	0.00041	U	0.00024	U
Dichlorobromomethane	NA	NA	0.00024	U	0.00028	U	0.00047	U	0.00028	U
Dichlorodifluoromethane	NA	NA	0.00032	U	0.00037	U	0.00062	U	0.00037	U
Ethylbenzene	1	41	0.00019	U	0.00022	U	0.00037	U	0.00022	U
Ethylene Dibromide	NA	NA	0.00017	U	0.00020	U	0.00033	U	0.00020	U
Isopropylbenzene	NA	NA	0.00027	U	0.00031	U	0.00052	U	0.00031	U
Methyl acetate	NA	NA	0.0041	U	0.0047	U	0.0079	U	0.0047	U
Methyl tert-butyl ether	0.93	100	0.00049	U	0.00056	U	0.00094	U	0.00056	U
Methylcyclohexane	NA	NA	0.00048	U	0.00055	U	0.00092	U	0.00054	U
Methylene Chloride	0.05	100	0.0011	U	0.0013	U	0.0021	U	0.0012	U
m-Xylene & p-Xylene	NA	NA	0.00017	U	0.00019	U	0.00032	U	0.00019	U
n-Butylbenzene	12	100	0.00028	U	0.00032	U	0.00054	U	0.00032	U
N-Propylbenzene	3.9	100	0.00017	U	0.00019	U	0.00032	U	0.00019	U
o-Xylene	NA	NA	0.00018	U	0.00021	U	0.00036	U	0.00021	U
sec-Butylbenzene	11	100	0.00027	U	0.00032	U	0.00053	U	0.00031	U
Styrene	NA	NA	0.00026	U	0.00031	U	0.00051	U	0.00030	U
tert-Butylbenzene	5.9	100	0.00026	U	0.00030	U	0.00051	U	0.00030	U
Tetrachloroethene	1.3	19	**0.00065**	J	**0.0048**		**0.00056**	U	**0.0028**	
Toluene	0.7	100	0.00022	U	0.00026	U	0.00043	U	0.00025	U
trans-1,2-Dichloroethene	0.19	100	0.00023	U	0.00027	U	0.00045	U	0.00027	U
trans-1,3-Dichloropropene	NA	NA	0.00025	U	0.00029	U	0.00049	U	0.00029	U
Trichloroethene	0.47	21	0.00031	U	0.00035	U	0.00059	U	0.00035	U
Trichlorofluoromethane	NA	NA	0.00039	U	0.00045	U	0.00075	U	0.00044	U
Vinyl chloride	0.02	0.9	0.00052	U	0.00060	U	0.0010	U	0.00059	U
Xylenes, Total	0.26	100	0.00061	U	0.00071	U	0.0012	U	0.00070	U
Total Estimated Conc. (TICs)	NA	NA	--	--	--	--	--	--	--	--

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 3 - LSI Discrete Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			SB-16 (7-7.5)	
SAMPLING DATE			4/5/2022	
LAB SAMPLE ID			460-255692-21	
TOTAL SOLIDS (%)			95.5	
Volatiles BY 8260D (mg/kg)				
ANALYTE	**NY-UNRES**	**NY-RESR**	**Results**	**Q**
1,1,1-Trichloroethane	0.68	100	0.00036	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00033	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.00046	U
1,1,2-Trichloroethane	NA	NA	0.00027	U
1,1-Dichloroethane	0.27	26	0.00032	U
1,1-Dichloroethene	0.33	100	0.00035	U
1,2,3-Trichlorobenzene	NA	NA	0.00028	U
1,2,4-Trichlorobenzene	NA	NA	0.00055	U
1,2,4-Trimethylbenzene	3.6	52	0.00038	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.00071	U
1,2-Dichlorobenzene	1.1	100	0.00056	U
1,2-Dichloroethane	NA	3.1	0.00046	U
1,2-Dichloropropane	NA	NA	0.00065	U
1,3,5-Trimethylbenzene	8.4	52	0.00048	U
1,3-Dichlorobenzene	2.4	49	0.00056	U
1,4-Dichlorobenzene	1.8	13	0.00035	U
2-Butanone (MEK)	0.12	100	0.00057	U
2-Hexanone	NA	NA	0.0026	U
4-Methyl-2-pentanone (MIBK)	NA	NA	0.0024	U
Acetone	0.05	100	**0.050**	
Benzene	0.06	4.8	0.00040	U
Bromoform	NA	NA	0.00066	U
Bromomethane	NA	NA	0.0015	U
Carbon disulfide	NA	NA	0.00041	U
Carbon tetrachloride	0.76	2.4	0.00060	U
Chlorobenzene	1.1	100	0.00027	U
Chlorobromomethane	NA	NA	0.00043	U
Chlorodibromomethane	NA	NA	0.00030	U
Chloroethane	NA	NA	0.00081	U
Chloroform	0.37	49	0.0015	U
Chloromethane	NA	NA	0.00067	U
cis-1,2-Dichloroethene	0.25	100	0.00055	U
cis-1,3-Dichloropropene	NA	NA	0.00042	U
Cyclohexane	NA	NA	0.00034	U
Dichlorobromomethane	NA	NA	0.00040	U
Dichlorodifluoromethane	NA	NA	0.00052	U
Ethylbenzene	1	41	0.00031	U
Ethylene Dibromide	NA	NA	0.00028	U
Isopropylbenzene	NA	NA	0.00044	U
Methyl acetate	NA	NA	0.0066	U
Methyl tert-butyl ether	0.93	100	0.00079	U
Methylcyclohexane	NA	NA	0.00077	U
Methylene Chloride	0.05	100	0.0018	U
m-Xylene & p-Xylene	NA	NA	0.00027	U
n-Butylbenzene	12	100	0.00045	U
N-Propylbenzene	3.9	100	0.00027	U
o-Xylene	NA	NA	0.00030	U
sec-Butylbenzene	11	100	0.00044	U
Styrene	NA	NA	0.00043	U
tert-Butylbenzene	5.9	100	0.00043	U
Tetrachloroethene	1.3	19	0.00047	U
Toluene	0.7	100	0.00036	U
trans-1,2-Dichloroethene	0.19	100	0.00038	U
trans-1,3-Dichloropropene	NA	NA	0.00041	U
Trichloroethene	0.47	21	0.00050	U
Trichlorofluoromethane	NA	NA	0.00063	U
Vinyl chloride	0.02	0.9	0.00084	U
Xylenes, Total	0.26	100	0.00099	U
Total Estimated Conc. (TICs)	NA	NA	--	--

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
*+ = LCS and/or LCSD is outside
acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds NY-UNRES criteria

Table 4 - LSI Composite Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION				COMP-1		COMP-2		COMP-3		COMP-4	
SAMPLING DATE				4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID				460-255715-16		460-255715-17		460-255715-18		460-255715-19	
Semi-Volatiles by 8270E (ug/kg)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
1,1'-Biphenyl	NA	NA	NA	4.7	U	4.6	U	4.7	U	--	--
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	11	U	11	U	11	U	--	--
2,2'-oxybis[1-chloropropane]	NA	NA	NA	6.4	U	6.3	U	6.4	U	--	--
2,3,4,6-Tetrachlorophenol	NA	NA	NA	24	U	24	U	24	U	--	--
2,4,5-Trichlorophenol	NA	NA	NA	36	U	35	U	36	U	--	--
2,4,6-Trichlorophenol	NA	NA	NA	45	U	45	U	45	U	--	--
2,4-Dichlorophenol	NA	NA	NA	23	U	22	U	23	U	--	--
2,4-Dimethylphenol	NA	NA	NA	15	U	15	U	15	U	--	--
2,4-Dinitrophenol	NA	NA	NA	170	U	170	U	170	U	--	--
2,4-Dinitrotoluene	NA	NA	NA	38	U	37	U	38	U	--	--
2,6-Dinitrotoluene	NA	NA	NA	25	U	25	U	25	U	--	--
2-Chloronaphthalene	NA	NA	NA	16	U	16	U	16	U	--	--
2-Chlorophenol	NA	NA	NA	13	U	12	U	12	U	--	--
2-Methylnaphthalene	NA	NA	NA	9.8	U	9.7	U	9.8	U	--	--
2-Methylphenol	330	100000	NA	13	U	13	U	13	U	--	--
2-Nitroaniline	NA	NA	NA	13	U	13	U	13	U	--	--
2-Nitrophenol	NA	NA	NA	35	U	35	U	35	U	--	--
3,3'-Dichlorobenzidine	NA	NA	NA	53	U	53	U	53	U	--	--
3-Nitroaniline	NA	NA	NA	40	U	39	U	40	U	--	--
4,6-Dinitro-2-methylphenol	NA	NA	NA	140	U	140	U	140	U	--	--
4-Bromophenyl phenyl ether	NA	NA	NA	14	U	14	U	14	U	--	--
4-Chloro-3-methylphenol	NA	NA	NA	20	U	19	U	20	U	--	--
4-Chloroaniline	NA	NA	NA	62	U	62	U	62	U	--	--
4-Chlorophenyl phenyl ether	NA	NA	NA	12	U	12	U	12	U	--	--
4-Methylphenol	330	34000	NA	22	U	22	U	22	U	--	--
4-Nitroaniline	NA	NA	NA	40	U	40	U	40	U	--	--
4-Nitrophenol	NA	NA	NA	57	U	57	U	57	U	--	--
Acenaphthene	20000	100000	NA	10	U	9.9	U	10	U	--	--
Acenaphthylene	100000	100000	NA	3.5	U	**7.9**	J	3.5	U	--	--
Acetophenone	NA	NA	NA	17	U	17	U	17	U	--	--
Anthracene	100000	100000	NA	11	U	11	U	11	U	--	--
Atrazine	NA	NA	NA	21	U	20	U	21	U	--	--
Benzaldehyde	NA	NA	NA	58	U	57	U	58	U	--	--
Benzo[a]anthracene	1000	1000	NA	**17**	J	**64**		17	J	--	--
Benzo[a]pyrene	1000	1000	NA	9.4	U	**57**		9.4	U	--	--
Benzo[b]fluoranthene	1000	1000	NA	9.1	U	**81**		**11**	J	--	--
Benzo[g,h,i]perylene	100000	100000	NA	10	U	**45**	J	10	U	--	--
Benzo[k]fluoranthene	800	1000	NA	6.9	U	**33**	J	6.9	U	--	--
Bis(2-chloroethoxy)methane	NA	NA	NA	27	U	27	U	27	U	--	--
Bis(2-chloroethyl)ether	NA	NA	NA	12	U	12	U	12	U	--	--
Bis(2-ethylhexyl) phthalate	NA	NA	NA	19	U	18	U	19	U	--	--
Butyl benzyl phthalate	NA	NA	NA	17	U	16	U	16	U	--	--
Caprolactam	NA	NA	NA	55	U	54	U	55	U	--	--
Carbazole	NA	NA	NA	13	U	13	U	13	U	--	--
Chrysene	1000	1000	NA	**10**	J	**65**	J	**10**	J	--	--
Dibenz(a,h)anthracene	330	330	NA	15	U	15	U	15	U	--	--
Dibenzofuran	7000	14000	NA	4.9	U	4.9	U	4.9	U	--	--
Diethyl phthalate	NA	NA	NA	5.1	U	5.0	U	5.1	U	--	--
Dimethyl phthalate	NA	NA	NA	80	U	79	U	80	U	--	--
Di-n-butyl phthalate	NA	NA	NA	13	U	13	U	13	U	--	--
Di-n-octyl phthalate	NA	NA	NA	19	U	18	U	19	U	--	--
Fluoranthene	100000	100000	NA	**17**	J	**110**	J	**16**	J	--	--
Fluorene	30000	100000	NA	4.8	U	4.7	U	4.8	U	--	--
Hexachlorobenzene	330	330	NA	17	U	17	U	17	U	--	--
Hexachlorobutadiene	NA	NA	NA	7.5	U	7.4	U	7.5	U	--	--
Hexachlorocyclopentadiene	NA	NA	NA	31	U	30	U	31	U	--	--
Hexachloroethane	NA	NA	NA	12	U	12	U	12	U	--	--
Indeno[1,2,3-cd]pyrene	500	500	NA	14	U	**76**		14	U	--	--
Isophorone	NA	NA	NA	100	U	100	U	100	U	--	--
Naphthalene	12000	100000	NA	6.1	U	6.0	U	6.1	U	--	--
Nitrobenzene	NA	NA	NA	8.5	U	8.3	U	8.4	U	--	--
N-Nitrosodi-n-propylamine	NA	NA	NA	26	U	25	U	26	U	--	--
N-Nitrosodiphenylamine	NA	NA	NA	29	U	29	U	29	U	--	--
Pentachlorophenol	800	2400	NA	72	U	71	U	72	U	--	--
Phenanthrene	100000	100000	NA	**13**	J	**41**	J	**11**	J	--	--
Phenol	330	100000	NA	13	U	13	U	13	U	--	--
Pyrene	100000	100000	NA	**16**	J	**110**	J	**17**	J	--	--

Table 4 - LSI Composite Soil Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION				COMP-1		COMP-2		COMP-3		COMP-4	
SAMPLING DATE				4/5/2022		4/5/2022		4/5/2022		4/5/2022	
LAB SAMPLE ID				460-255715-16		460-255715-17		460-255715-18		460-255715-19	
PCBs by 8082A (ug/kg)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Aroclor 1016	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1221	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1232	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1242	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1248	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1254	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1260	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor 1268	NA	NA	NA	19	U	19	U	19	U	--	--
Aroclor-1262	NA	NA	NA	19	U	19	U	19	U	--	--
Total PCBs	100	1000	NA	19	U	19	U	19	U	--	--
Total Metals by 6020B (mg/kg))											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Aluminum	NA	NA	NA	**7350**		**6210**		**5540**		--	--
Antimony	NA	NA	NA	0.13	U	0.12	U	0.12	U	--	--
Arsenic	13	16	NA	**1.6**		**1.9**		**1.5**		--	--
Barium	350	350	NA	**46.4**		**41.2**		**39.6**		--	--
Beryllium	7.2	14	NA	**0.28**	J	**0.27**	J	**0.27**	J	--	--
Cadmium	2.5	2.5	NA	**0.12**	J	**0.11**	J	**0.13**	J	--	--
Calcium	NA	NA	NA	**5560**		**3440**		**4050**		--	--
Chromium	NA	NA	NA	**16.1**		**13.8**		**10.8**		--	--
Cobalt	NA	NA	NA	**5.7**		**13.2**		**7.2**		--	--
Copper	50	270	NA	**19.9**		**13.6**		**15.1**		--	--
Iron	NA	NA	NA	**13100**		**10800**		**10200**		--	--
Lead	63	400	NA	**99.4**		**66.4**		**48.4**		--	--
Magnesium	NA	NA	NA	**5560**		**3340**		**2380**		--	--
Manganese	1600	2000	NA	**241**		**248**		**288**		--	--
Nickel	30	140	NA	**12.5**		**11.2**		**11.0**		--	--
Potassium	NA	NA	NA	**1140**		**688**		**692**		--	--
Selenium	3.9	36	NA	0.11	U	**0.19**	J	**0.20**	J	--	--
Silver	2	36	NA	0.077	U	0.075	U	0.071	U	--	--
Sodium	NA	NA	NA	**120**		90.7		**155**		--	--
Thallium	NA	NA	NA	**0.10**	J	**0.079**	J	**0.073**	J	--	--
Vanadium	NA	NA	NA	**27.2**		**16.6**		**15.5**		--	--
Zinc	109	2200	NA	**62.7**		**78.1**		**42.5**		--	--
Total Metals by 7471B (mg/kg)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Mercury	0.18	0.81	NA	**0.013**	J	**0.093**		**0.036**		--	--
TCLP Metals by 6020 B (ug/L)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Arsenic	NA	NA	5000	8.9	U	8.9	U	8.9	U	--	--
Barium	NA	NA	21000	**438**		**312**		**370**		--	--
Cadmium	NA	NA	110	3.9	U	3.9	U	3.9	U	--	--
Chromium	NA	NA	600	25.0	U	25.0	U	25.0	U	--	--
Lead	NA	NA	750	**27.2**		**102**		**61.5**		--	--
Selenium	NA	NA	5700	5.9	U	5.9	U	5.9	U	--	--
Silver	NA	NA	140	2.9	U	2.9	U	2.9	U	--	--
TCLP Metals by 7470A (mg/L)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Mercury	NA	NA	NA	**0.013**	J	**0.093**		**0.036**		--	--
Ignitability by 1030 (mm/sec)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Burn Rate	NA	NA	NA	--	--	--	--	--	--	2.20	U
Reactivity by 9014 (mg/kg)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Cyanide, Reactive	NA	NA	NA	--	--	--	--	--	--	25.0	U
Reactivity by 9034 (mg/kg)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Sulfide, Reactive	NA	NA	NA	--	--	--	--	--	--	20.0	U
Corrosivity by 9045D (su)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Corrosivity	NA	NA	NA	--	--	--	--	--	--	7.4	HF
pH	NA	NA	NA	--	--	--	--	--	--	7.4	HF
Temperature (degrees celcius)	NA	NA	NA	--	--	--	--	--	--	20.9	HF
Paint Filter by 9095B (ml/100g)											
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q	Results	Q	Results	Q	Results	Q
Free Liquid	NA	NA	NA	--	--	--	--	--	--	0.500	U

Notes

ug/kg : micrograms per kilogram
mg/kg = milligrams per kilogram
ug/L = microgram per Liter
mm/sec = millimeter per second
su = standard units
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
UTS = 6 NYCRR 376 - Universal Treatment Standards
Q = Laboratory Qualifier

*+ = LCS and/or LCSD is outside acceptance limits, high biased.
(4-4.5) = Sample collected 4-4.5 feet below grade
0.35 = Analyte detected above reporting limit
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
HF : Field parameter with a holding time of 15 minutes
F1 : MS and/or MSD recovery exceeds control limits.
NA = Not Applicabel
Analyte exceeds regulatory criteria

Table 5 - LSI Discrete Concrete Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			CC-08		CC-09		CC-10		CC-11		CC-12	
SAMPLING DATE			4/11/2022		4/11/2022		4/11/2022		4/11/2022		4/11/2022	
LAB SAMPLE ID			460-256171-1		460-256171-2		460-256171-3		460-256171-4		460-256171-5	
TOTAL SOLIDS (%)			96.1		95.4		96.0		97.1		96.4	
Volatiles BY 8260D (ug/kg)												
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	680	100000	0.26	U	0.23	U	0.20	U	0.22	U	0.29	U
1,1,2,2-Tetrachloroethane	NA	NA	0.24	U	0.22	U	0.18	U	0.20	U	0.26	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.33	U	0.30	U	0.26	U	0.29	U	0.37	U
1,1,2-Trichloroethane	NA	NA	0.20	U	0.18	U	0.15	U	0.17	U	0.22	U
1,1-Dichloroethane	270	19000	0.23	U	0.21	U	0.18	U	0.20	U	0.25	U
1,1-Dichloroethene	330	100000	0.25	U	0.23	U	0.19	U	0.21	U	0.28	U
1,2,3-Trichlorobenzene	NA	NA	0.20	U	0.18	U	0.16	U	0.17	U	0.22	U
1,2,4-Trichlorobenzene	NA	NA	0.40	U	0.36	U	0.31	U	0.34	U	0.44	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.51	U	0.46	U	0.39	U	0.44	U	0.57	U
1,2-Dichlorobenzene	1100	100000	0.40	U	0.36	U	0.31	U	0.34	U	0.45	U
1,2-Dichloroethane	NA	2300	0.33	U	0.30	U	0.25	U	0.28	U	0.37	U
1,2-Dichloropropane	NA	NA	0.47	U	0.43	U	0.36	U	0.40	U	0.52	U
1,3-Dichlorobenzene	2400	17000	0.40	U	0.37	U	0.31	U	0.35	U	0.45	U
1,4-Dichlorobenzene	1800	9800	0.25	U	0.23	U	0.19	U	0.21	U	0.28	U
1,4-Dioxane	100	9800	10	U	9.3	U	7.9	U	8.8	U	11	U
2-Butanone (MEK)	120	100000	0.41	U	0.37	U	0.32	U	0.35	U	0.46	U
2-Hexanone	NA	NA	1.9	U	1.7	U	1.5	U	1.6	U	2.1	U
4-Methyl-2-pentanone (MIBK)	NA	NA	1.7	U	1.6	U	1.3	U	1.5	U	1.9	U
Acetone	50	100000	**13**	B	**12**	B	**17**	B	**14**	B	**16**	B
Benzene	60	2900	0.28	U	0.26	U	0.22	U	0.25	U	0.32	U
Bromoform	NA	NA	0.47	U	0.43	U	0.36	U	0.41	U	0.53	U
Bromomethane	NA	NA	1.1	U	1.0	U	0.86	U	0.95	U	1.2	U
Carbon disulfide	NA	NA	0.29	U	0.27	U	1.4		0.25	U	0.33	U
Carbon tetrachloride	760	1400	0.43	U	0.39	U	0.33	U	0.37	U	0.48	U
Chlorobenzene	1100	100000	0.20	U	0.18	U	0.15	U	0.17	U	0.22	U
Chlorobromomethane	NA	NA	0.31	U	0.28	U	0.24	U	0.27	U	0.35	U
Chlorodibromomethane	NA	NA	0.21	U	0.20	U	0.17	U	0.19	U	0.24	U
Chloroethane	NA	NA	0.58	U	0.53	U	0.45	U	0.50	U	0.65	U
Chloroform	370	10000	1.1	U	0.98	U	0.83	U	0.93	U	1.2	U
Chloromethane	NA	NA	0.48	U	0.44	U	0.37	U	0.41	U	0.54	U
cis-1,2-Dichloroethene	250	59000	0.40	U	0.36	U	0.31	U	0.34	U	0.44	U
cis-1,3-Dichloropropene	NA	NA	0.30	U	0.28	U	0.23	U	0.26	U	0.34	U
Cyclohexane	NA	NA	0.24	U	0.22	U	0.19	U	0.21	U	0.27	U
Dichlorobromomethane	NA	NA	0.28	U	0.26	U	0.22	U	0.25	U	0.32	U
Dichlorodifluoromethane	NA	NA	0.37	U	0.34	U	0.29	U	0.32	U	0.42	U
Ethylbenzene	1000	30000	0.22	U	0.20	U	0.17	U	0.19	U	0.25	U
Ethylene Dibromide	NA	NA	0.20	U	0.18	U	0.15	U	0.17	U	0.22	U
Isopropylbenzene	NA	NA	0.31	U	0.29	U	0.24	U	0.27	U	0.35	U
Methyl acetate	NA	NA	4.7	U	4.3	U	3.7	U	4.1	U	5.3	U
Methyl tert-butyl ether	930	62000	0.57	U	0.52	U	0.44	U	0.49	U	0.63	U
Methylcyclohexane	NA	NA	0.55	U	0.50	U	0.43	U	0.48	U	0.62	U
Methylene Chloride	50	51000	1.3	U	1.2	U	0.98	U	1.1	U	1.4	U
m-Xylene & p-Xylene	NA	NA	0.19	U	0.18	U	0.15	U	0.17	U	0.22	U
o-Xylene	NA	NA	0.21	U	0.20	U	0.17	U	0.19	U	0.24	U
Styrene	NA	NA	0.31	U	0.28	U	0.24	U	0.27	U	0.34	U
Tetrachloroethene	1300	5500	0.34	U	**15**		0.26	U	0.29	U	0.38	U
Toluene	700	100000	0.26	U	0.24	U	0.20	U	0.22	U	0.29	U
trans-1,2-Dichloroethene	190	100000	0.27	U	0.25	U	0.21	U	0.23	U	0.30	U
trans-1,3-Dichloropropene	NA	NA	0.29	U	0.27	U	0.23	U	0.25	U	0.33	U
Trichloroethene	470	10000	0.35	U	0.32	U	0.28	U	0.31	U	0.40	U
Trichlorofluoromethane	NA	NA	0.45	U	0.41	U	0.35	U	0.39	U	0.50	U
Vinyl chloride	20	210	0.60	U	0.55	U	0.47	U	0.52	U	0.68	U

Notes
All results reported in milligrams per kilogram (ug/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
B : Compound was found in the blank and sample.
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds regulatory criteria

Table 5 - LSI Discrete Concrete Sampling Results
Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			CC-13		CC-14		CC-15		CC-16		CC-DUP-01	
SAMPLING DATE			4/11/2022		4/11/2022		4/11/2022		4/11/2022		4/11/2022	
LAB SAMPLE ID			460-256171-6		460-256171-7		460-256171-8		460-256171-9		460-256171-10	
TOTAL SOLIDS (%)			96.6		95.6		97.4		93.8		95.9	
Volatiles BY 8260D (ug/kg)												
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1-Trichloroethane	680	100000	0.23	U	0.29	U	0.25	U	0.31	U	0.29	U
1,1,2,2-Tetrachloroethane	NA	NA	0.21	U	0.27	U	0.23	U	0.28	U	0.27	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	0.30	U	0.38	U	0.33	U	0.40	U	0.38	U
1,1,2-Trichloroethane	NA	NA	0.17	U	0.22	U	0.19	U	0.23	U	0.22	U
1,1-Dichloroethane	270	19000	0.20	U	0.26	U	0.22	U	0.27	U	0.26	U
1,1-Dichloroethene	330	100000	0.22	U	0.28	U	0.24	U	0.30	U	0.28	U
1,2,3-Trichlorobenzene	NA	NA	0.18	U	0.23	U	0.20	U	0.24	U	0.23	U
1,2,4-Trichlorobenzene	NA	NA	0.35	U	0.45	U	0.39	U	0.47	U	0.45	U
1,2-Dibromo-3-Chloropropane	NA	NA	0.45	U	0.57	U	0.50	U	0.61	U	0.58	U
1,2-Dichlorobenzene	1100	100000	0.35	U	0.45	U	0.39	U	0.48	U	0.45	U
1,2-Dichloroethane	NA	2300	0.29	U	0.37	U	0.32	U	0.39	U	0.37	U
1,2-Dichloropropane	NA	NA	0.42	U	0.53	U	0.46	U	0.56	U	0.53	U
1,3-Dichlorobenzene	2400	17000	0.36	U	0.46	U	0.40	U	0.48	U	0.46	U
1,4-Dichlorobenzene	1800	9800	0.22	U	0.28	U	0.24	U	0.30	U	0.28	U
1,4-Dioxane	100	9800	9.0	U	11	U	10	U	12	U	12	U
2-Butanone (MEK)	120	100000	0.36	U	0.46	U	0.40	U	0.49	U	0.46	U
2-Hexanone	NA	NA	1.7	U	2.1	U	1.9	U	2.3	U	2.1	U
4-Methyl-2-pentanone (MIBK)	NA	NA	1.5	U	1.9	U	1.7	U	2.1	U	2.0	U
Acetone	50	100000	**18**	B	**13**	B	**9.1**	B	**16**	B	**13**	B
Benzene	60	2900	0.25	U	0.32	U	0.28	U	0.34	U	0.32	U
Bromoform	NA	NA	0.42	U	0.53	U	0.46	U	0.56	U	0.53	U
Bromomethane	NA	NA	0.98	U	1.2	U	1.1	U	1.3	U	1.3	U
Carbon disulfide	NA	NA	0.26	U	0.33	U	0.29	U	0.35	U	0.33	U
Carbon tetrachloride	760	1400	0.38	U	0.48	U	0.42	U	0.51	U	0.49	U
Chlorobenzene	1100	100000	0.17	U	0.22	U	0.19	U	0.23	U	0.22	U
Chlorobromomethane	NA	NA	0.28	U	0.35	U	0.31	U	0.37	U	0.35	U
Chlorodibromomethane	NA	NA	0.19	U	0.24	U	0.21	U	0.26	U	0.24	U
Chloroethane	NA	NA	0.51	U	0.65	U	0.57	U	0.69	U	0.66	U
Chloroform	370	10000	0.95	U	1.2	U	1.1	U	1.3	U	1.2	U
Chloromethane	NA	NA	0.43	U	0.54	U	0.47	U	0.57	U	0.55	U
cis-1,2-Dichloroethene	250	59000	0.35	U	0.45	U	0.39	U	0.47	U	0.45	U
cis-1,3-Dichloropropene	NA	NA	0.27	U	0.34	U	0.30	U	0.36	U	0.34	U
Cyclohexane	NA	NA	0.22	U	0.28	U	0.24	U	0.29	U	0.28	U
Dichlorobromomethane	NA	NA	0.25	U	0.32	U	0.28	U	0.34	U	0.32	U
Dichlorodifluoromethane	NA	NA	0.33	U	0.42	U	0.37	U	0.45	U	0.42	U
Ethylbenzene	1000	30000	0.20	U	0.25	U	0.22	U	0.26	U	0.25	U
Ethylene Dibromide	NA	NA	0.18	U	0.22	U	0.20	U	0.24	U	0.23	U
Isopropylbenzene	NA	NA	0.28	U	0.36	U	0.31	U	0.38	U	0.36	U
Methyl acetate	NA	NA	4.2	U	5.4	U	4.7	U	5.7	U	5.4	U
Methyl tert-butyl ether	930	62000	0.50	U	0.64	U	0.56	U	0.68	U	0.64	U
Methylcyclohexane	NA	NA	0.49	U	0.62	U	0.54	U	0.66	U	0.63	U
Methylene Chloride	50	51000	1.1	U	1.4	U	1.2	U	1.5	U	1.4	U
m-Xylene & p-Xylene	NA	NA	0.17	U	0.22	U	0.19	U	0.23	U	0.22	U
o-Xylene	NA	NA	0.19	U	0.24	U	0.21	U	0.26	U	0.24	U
Styrene	NA	NA	0.27	U	0.35	U	0.30	U	0.37	U	0.35	U
Tetrachloroethene	1300	5500	2.6		**0.40**	J	0.33	U	**5.9**		**2.8**	
Toluene	700	100000	0.23	U	0.29	U	0.25	U	0.31	U	0.29	U
trans-1,2-Dichloroethene	190	100000	0.24	U	0.31	U	0.27	U	0.32	U	0.31	U
trans-1,3-Dichloropropene	NA	NA	0.26	U	0.33	U	0.29	U	0.35	U	0.33	U
Trichloroethene	470	10000	0.32	U	0.40	U	0.35	U	0.42	U	0.40	U
Trichlorofluoromethane	NA	NA	0.40	U	0.51	U	0.44	U	0.54	U	0.51	U
Vinyl chloride	20	210	0.54	U	0.68	U	0.59	U	0.72	U	0.69	U

Notes
All results reported in milligrams per kilogram (ug/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
B : Compound was found in the blank and sample.
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds regulatory criteria

Table 6 - LSI Composite Concrete Sampling Results
Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION				CC-COMP-01	
SAMPLING DATE				4/27/2022	
LAB SAMPLE ID				460-257083-1	
Semi-Volatiles by 8270E (ug/kg)					
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q
1,1'-Biphenyl	NA	NA	NA	12	U
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	10	U
2,2'-oxybis[1-chloropropane]	NA	NA	NA	6.1	U
2,3,4,6-Tetrachlorophenol	NA	NA	NA	23	U *+
2,4,5-Trichlorophenol	NA	NA	NA	34	U
2,4,6-Trichlorophenol	NA	NA	NA	43	U
2,4-Dichlorophenol	NA	NA	NA	21	U
2,4-Dimethylphenol	NA	NA	NA	40	U
2,4-Dinitrophenol	NA	NA	NA	160	U
2,4-Dinitrotoluene	NA	NA	NA	36	U
2,6-Dinitrotoluene	NA	NA	NA	24	U
2-Chloronaphthalene	NA	NA	NA	15	U
2-Chlorophenol	NA	NA	NA	12	U
2-Methylnaphthalene	NA	NA	NA	9.4	U
2-Methylphenol	330	100000	NA	12	U
2-Nitroaniline	NA	NA	NA	26	U
2-Nitrophenol	NA	NA	NA	34	U
3,3'-Dichlorobenzidine	NA	NA	NA	51	U
3-Nitroaniline	NA	NA	NA	79	U
4,6-Dinitro-2-methylphenol	NA	NA	NA	140	U
4-Bromophenyl phenyl ether	NA	NA	NA	13	U *+
4-Chloro-3-methylphenol	NA	NA	NA	19	U
4-Chloroaniline	NA	NA	NA	59	U
4-Chlorophenyl phenyl ether	NA	NA	NA	12	U
4-Methylphenol	330	34000	NA	21	U
4-Nitroaniline	NA	NA	NA	38	U
4-Nitrophenol	NA	NA	NA	55	U
Acenaphthene	20000	100000	NA	9.5	U
Acenaphthylene	100000	100000	NA	9.6	U
Acetophenone	NA	NA	NA	16	U
Anthracene	100000	100000	NA	10	U
Atrazine	NA	NA	NA	20	U *+
Benzaldehyde	NA	NA	NA	55	U
Benzo[a]anthracene	1000	1000	NA	12	U
Benzo[a]pyrene	1000	1000	NA	8.9	U
Benzo[b]fluoranthene	1000	1000	NA	8.7	U
Benzo[g,h,i]perylene	100000	100000	NA	9.9	U
Benzo[k]fluoranthene	800	1000	NA	6.6	U
Bis(2-chloroethoxy)methane	NA	NA	NA	26	U
Bis(2-chloroethyl)ether	NA	NA	NA	12	U
Bis(2-ethylhexyl) phthalate	NA	NA	NA	190	J
Butyl benzyl phthalate	NA	NA	NA	16	U
Caprolactam	NA	NA	NA	52	U *+
Carbazole	NA	NA	NA	13	U
Chrysene	1000	1000	NA	5.7	U
Dibenz(a,h)anthracene	330	330	NA	14	U
Dibenzofuran	7000	14000	NA	11	U
Diethyl phthalate	NA	NA	NA	11	U
Dimethyl phthalate	NA	NA	NA	76	U
Di-n-butyl phthalate	NA	NA	NA	13	U
Di-n-octyl phthalate	NA	NA	NA	18	U
Fluoranthene	100000	100000	NA	12	U
Fluorene	30000	100000	NA	9.8	U
Hexachlorobenzene	330	330	NA	16	U *+
Hexachlorobutadiene	NA	NA	NA	7.1	U
Hexachlorocyclopentadiene	NA	NA	NA	29	U
Hexachloroethane	NA	NA	NA	11	U
Indeno[1,2,3-cd]pyrene	500	500	NA	13	U
Isophorone	NA	NA	NA	97	U
Naphthalene	12000	100000	NA	5.8	U
Nitrobenzene	NA	NA	NA	19	U
N-Nitrosodi-n-propylamine	NA	NA	NA	24	U
N-Nitrosodiphenylamine	NA	NA	NA	28	U
Pentachlorophenol	800	2400	NA	69	U
Phenanthrene	100000	100000	NA	5.9	U
Phenol	330	100000	NA	12	U
Pyrene	100000	100000	NA	8.3	U

Table 6 - LSI Composite Concrete Sampling Results
Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION				CC-COMP-01	
SAMPLING DATE				4/27/2022	
LAB SAMPLE ID				460-257083-1	
Pesticides by 8081B (ug/kg)					
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q
4,4'-DDD	3.3	2600	NA	1.2	U
4,4'-DDE	3.3	1800	NA	**3.2**	J
4,4'-DDT	3.3	1700	NA	1.2	U
Aldrin	5	19	NA	1.0	U
alpha-BHC	20	97	NA	0.69	U
beta-BHC	36	72	NA	0.76	U
Chlordane (technical)	NA	NA	NA	16	U
delta-BHC	40	100000	NA	0.42	U
Dieldrin	5	39	NA	0.88	U
Endosulfan I	2400	4800	NA	1.0	U
Endosulfan II	2400	4800	NA	1.7	U
Endosulfan sulfate	2400	4800	NA	0.85	U
Endrin	14	2200	NA	0.97	U
Endrin aldehyde	NA	NA	NA	1.6	U
Endrin ketone	NA	NA	NA	1.3	U
gamma-BHC (Lindane)	100	280	NA	0.63	U
Heptachlor	42	420	NA	0.80	U
Heptachlor epoxide	NA	NA	NA	1.0	U
Methoxychlor	NA	NA	NA	1.5	U
Toxaphene	NA	NA	NA	25	U
PCBs by 8082A (ug/kg)					
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q
Aroclor 1016	NA	NA	NA	18	U
Aroclor 1221	NA	NA	NA	18	U
Aroclor 1232	NA	NA	NA	18	U
Aroclor 1242	NA	NA	NA	18	U
Aroclor 1248	NA	NA	NA	18	U
Aroclor 1254	NA	NA	NA	18	U
Aroclor 1260	NA	NA	NA	18	U
Aroclor 1268	NA	NA	NA	18	U
Aroclor-1262	NA	NA	NA	18	U
Total PCBs	100	1000	NA	18	U
Total Metals by 6020B (mg/kg))					
ANALYTE	NY-UNRES	NY-RESR	UTS	Results	Q
Aluminum	NA	NA	NA	**4940**	
Antimony	NA	NA	NA	0.15	U F1
Arsenic	13	16	NA	**2.1**	
Barium	350	350	NA	**34.8**	
Beryllium	7.2	14	NA	**0.21**	J
Cadmium	2.5	2.5	NA	0.11	U
Calcium	NA	NA	NA	**60700**	
Chromium	NA	NA	NA	**92.2**	
Cobalt	NA	NA	NA	**2.6**	
Copper	50	270	NA	**4.9**	
Iron	NA	NA	NA	**6880**	
Lead	63	400	NA	**3.4**	
Magnesium	NA	NA	NA	**10200**	
Manganese	1600	2000	NA	**147**	
Nickel	30	140	NA	**5.1**	
Potassium	NA	NA	NA	**937**	
Selenium	3.9	36	NA	0.13	U
Silver	2	36	NA	0.090	U
Sodium	NA	NA	NA	**913**	
Thallium	NA	NA	NA	**0.050**	J
Vanadium	NA	NA	NA	**8.8**	
Zinc	109	2200	NA	**13.7**	

Table 6 - LSI Composite Concrete Sampling Results

Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION				CC-COMP-01	
SAMPLING DATE				4/27/2022	
LAB SAMPLE ID				460-257083-1	
TCLP Metals by 6020 B (ug/L)					
ANALYTE	**NY-UNRES**	**NY-RESR**	**UTS**	**Results**	**Q**
Arsenic	NA	NA	5,000	8.9	U
Barium	NA	NA	21,000	**102**	
Cadmium	NA	NA	110	3.9	U
Chromium	NA	NA	600	25.0	U
Lead	NA	NA	750	8.4	U
Nickel	NA	NA	11,000	9.1	U
Selenium	NA	NA	5,700	5.9	U
Silver	NA	NA	140	2.9	U
Ignitability by 1030 (mm/sec)					
ANALYTE	**NY-UNRES**	**NY-RESR**	**UTS**	**Results**	**Q**
Burn Rate	NA	NA	NA	2.20	U
Reactivity by 9014 (mg/kg)					
ANALYTE	**NY-UNRES**	**NY-RESR**	**UTS**	**Results**	**Q**
Cyanide, Reactive	NA	NA	NA	25.0	U
Reactivity by 9034 (mg/kg)					
ANALYTE	**NY-UNRES**	**NY-RESR**	**UTS**	**Results**	**Q**
Sulfide, Reactive	NA	NA	NA	20.0	U
Corrosivity by 9045D (su)					
ANALYTE	**NY-UNRES**	**NY-RESR**	**UTS**	**Results**	**Q**
Corrosivity	NA	NA	NA	12.2	HF
pH	NA	NA	NA	12.2	HF
Temperature (degrees c)	NA	NA	NA	23.2	HF

Notes

ug/kg : micrograms per kilogram
mg/kg = milligrams per kilogram
ug/L = microgram per Liter
mm/sec = millimeter per second
su = standard units
NY-UNRES: 6 NYCRR 375 - Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 - Restricted Residential Use Criteria
UTS = 6 NYCRR 376 - Universal Treatment Standards
Q = Laboratory Qualifier

*+ = LCS and/or LCSD is outside acceptance limits, high biased.
0.35 = Analyte detected above reporting limit
U = Non-Detect at the associated numerical value (reporting limit)
J = Estimated Value
HF : Field parameter with a holding time of 15 minutes
F1 : MS and/or MSD recovery exceeds control limits.
NA = Not Applicabel
Analyte exceeds regulatory criteria

Table 7 - Post-Excavation Documentation Soil Sampling Results
Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			PX-NE		PX-SE		PX-S		PX-SW		PX-E	
SAMPLING DATE			2/2/2023		2/8/2023		2/8/2023		2/8/2023		2/15/2023	
LAB SAMPLE ID			L2305912-01		L2306838-01		L2306838-02		L2306838-03		L2308387-01	
SAMPLING DEPTH (FT BELOW GRADE)			5.0-5.5		12.0-12.5		12.0-12.5		12.0-12.5		5.0-5.5	
TOTAL SOLIDS (%)			86.5		90.9		79.0		92.2		79	
Volatiles BY 8260D (mg/kg)												
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1,2-Tetrachloroethane	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
1,1,1-Trichloroethane	0.68	100	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
1,1,2,2-Tetrachloroethane	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
1,1,2-Trichloroethane	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,1-Dichloroethane	0.27	19	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,1-Dichloroethene	0.33	100	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,1-Dichloropropene	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
1,2,3-Trichlorobenzene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,2,3-Trichloropropane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,2,4,5-Tetramethylbenzene	NA	NA	0.0027	U	0.0029	U	0.0048	U	**0.0021**	J	0.0031	U
1,2,4-Trichlorobenzene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,2,4-Trimethylbenzene	3.6	47	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,2-Dibromo-3-chloropropane	NA	NA	0.004	U	0.0043	U	0.0072	U	0.0041	U	0.0047	U
1,2-Dibromoethane	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,2-Dichlorobenzene	1.1	100	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,2-Dichloroethane	0.02	2.3	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,2-Dichloroethene, Total	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,2-Dichloropropane	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
1,3,5-Trimethylbenzene	8.4	47	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,3-Dichlorobenzene	2.4	17	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,3-Dichloropropane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,3-Dichloropropene, Total	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
1,4-Dichlorobenzene	1.8	9.8	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
1,4-Dioxane	0.1	9.8	0.11	U	0.12	U	0.19	U	0.11	U	0.12	U
2,2-Dichloropropane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
2-Butanone	0.12	100	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
2-Hexanone	NA	NA	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
4-Methyl-2-pentanone	NA	NA	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
Acetone	0.05	100	0.013	U	0.014	U	0.024	U	0.014	U	**0.012**	J
Acrylonitrile	NA	NA	0.0054	U	0.0058	U	0.0096	U	0.0054	U	0.0063	U
Benzene	0.06	2.9	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
Bromobenzene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Bromochloromethane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Bromodichloromethane	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
Bromoform	NA	NA	0.0054	U	0.0058	U	0.0096	U	0.0054	U	0.0063	U
Bromomethane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Carbon disulfide	NA	NA	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
Carbon tetrachloride	0.76	1.4	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
Chlorobenzene	1.1	100	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
Chloroethane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Chloroform	0.37	10	0.002	U	0.0022	U	0.0036	U	0.002	U	0.0024	U
Chloromethane	NA	NA	0.0054	U	0.0058	U	0.0096	U	0.0054	U	0.0063	U
cis-1,2-Dichloroethene	0.25	59	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
cis-1,3-Dichloropropene	NA	NA	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
Dibromochloromethane	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
Dibromomethane	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Dichlorodifluoromethane	NA	NA	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
Ethyl ether	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Ethylbenzene	1	30	0.0013	U	0.0014	U	0.0024	U	0.0014	U	**0.0003**	J
Hexachlorobutadiene	NA	NA	0.0054	U	0.0058	U	0.0096	U	0.0054	U	0.0063	U
Isopropylbenzene	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
Methyl tert butyl ether	0.93	62	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Methylene chloride	0.05	51	0.0067	U	0.0072	U	0.012	U	0.0068	U	0.0078	U
Naphthalene	12	100	0.0054	U	0.0058	U	0.0096	U	0.0019	J	0.0063	U
n-Butylbenzene	12	100	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
n-Propylbenzene	3.9	100	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
o-Chlorotoluene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
o-Xylene	NA	NA	0.0013	U	0.0014	U	0.0024	U	**0.0023**		**0.00073**	J
p/m-Xylene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	**0.0012**	J
p-Chlorotoluene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
p-Diethylbenzene	NA	NA	0.0027	U	0.0029	U	0.0048	U	**0.0018**	J	0.0031	U
p-Ethyltoluene	NA	NA	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
p-Isopropyltoluene	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
sec-Butylbenzene	11	100	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
Styrene	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
tert-Butylbenzene	5.9	100	0.0027	U	0.0029	U	0.0048	U	0.0027	U	0.0031	U
Tetrachloroethene	1.3	5.5	**0.011**		0.00072	U	0.0012	U	0.00068	U	**0.00093**	
Toluene	0.7	100	**0.0012**	J	0.0014	U	0.0024	U	0.0014	U	0.0016	U
trans-1,2-Dichloroethene	0.19	100	0.002	U	0.0022	U	0.0036	U	0.002	U	0.0024	U
trans-1,3-Dichloropropene	NA	NA	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
trans-1,4-Dichloro-2-butene	NA	NA	0.0067	U	0.0072	U	0.012	U	0.0068	U	0.0078	U
Trichloroethene	0.47	10	0.00067	U	0.00072	U	0.0012	U	0.00068	U	0.00078	U
Trichlorofluoromethane	NA	NA	0.0054	U	0.0058	U	0.0096	U	0.0054	U	0.0063	U
Vinyl acetate	NA	NA	0.013	U	0.014	U	0.024	U	0.014	U	0.016	U
Vinyl chloride	0.02	0.21	0.0013	U	0.0014	U	0.0024	U	0.0014	U	0.0016	U
Xylenes, Total	0.26	100	0.0013	U	0.0014	U	0.0024	U	**0.0023**		**0.0019**	J

Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
J = Estimated Value
U = Non-Detect at the associated numerical value (reporting limit)

NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds regulatory criteria

Table 7 - Post-Excavation Documentation Soil Sampling Results
Bridge Cleaners
39-26 30th Street, Long Island City, New York 11101
NYSDEC Site No. 241127

LOCATION			PX-N		PX-C		PX-NW		PX-W	
SAMPLING DATE			3/14/2023		3/14/2023		3/15/2023		3/15/2023	
LAB SAMPLE ID			L2313422-01		L2313422-02		L2313422-03		L2313422-04	
SAMPLING DEPTH (FT BELOW GRADE)			5.0-5.5		5.0-5.5		5.0-5.5		5.0-5.5	
TOTAL SOLIDS (%)			83.7		82.4		94.7		93.0	
Volatiles BY 8260D (mg/kg)										
ANALYTE	NY-UNRES	NY-RESR	Results	Q	Results	Q	Results	Q	Results	Q
1,1,1,2-Tetrachloroethane	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
1,1,1-Trichloroethane	0.68	100	0.0005	U	0.0005	U	0.00068	U	0.00053	U
1,1,2,2-Tetrachloroethane	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
1,1,2-Trichloroethane	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
1,1-Dichloroethane	0.27	19	0.001	U	0.00099	U	0.0014	U	0.001	U
1,1-Dichloroethene	0.33	100	0.001	U	0.00099	U	0.0014	U	0.001	U
1,1-Dichloropropene	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
1,2,3-Trichlorobenzene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2,3-Trichloropropane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2,4,5-Tetramethylbenzene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2,4-Trichlorobenzene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2,4-Trimethylbenzene	3.6	47	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2-Dibromo-3-chloropropane	NA	NA	0.003	U	0.003	U	0.0041	U	0.0032	U
1,2-Dibromoethane	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
1,2-Dichlorobenzene	1.1	100	0.002	U	0.002	U	0.0027	U	0.0021	U
1,2-Dichloroethane	0.02	2.3	0.001	U	0.00099	U	0.0014	U	0.001	U
1,2-Dichloroethene, Total	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
1,2-Dichloropropane	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
1,3,5-Trimethylbenzene	8.4	47	0.002	U	0.002	U	0.0027	U	0.0021	U
1,3-Dichlorobenzene	2.4	17	0.002	U	0.002	U	0.0027	U	0.0021	U
1,3-Dichloropropane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
1,3-Dichloropropene, Total	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
1,4-Dichlorobenzene	1.8	9.8	0.002	U	0.002	U	0.0027	U	0.0021	U
1,4-Dioxane	0.1	9.8	0.08	U	0.079	U	0.11	U	0.085	U
2,2-Dichloropropane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
2-Butanone	0.12	100	0.01	U	0.0099	U	0.014	U	0.01	U
2-Hexanone	NA	NA	0.01	U	0.0099	U	0.014	U	0.01	U
4-Methyl-2-pentanone	NA	NA	0.01	U	0.0099	U	0.014	U	0.01	U
Acetone	0.05	100	0.01	U	0.0099	U	0.014	U	0.01	U
Acrylonitrile	NA	NA	0.004	U	0.004	U	0.0055	U	0.0042	U
Benzene	0.06	2.9	0.0005	U	0.0005	U	0.00068	U	0.00053	U
Bromobenzene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Bromochloromethane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Bromodichloromethane	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
Bromoform	NA	NA	0.004	U	0.004	U	0.0055	U	0.0042	U
Bromomethane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Carbon disulfide	NA	NA	0.01	U	0.0099	U	0.014	U	0.01	U
Carbon tetrachloride	0.76	1.4	0.001	U	0.00099	U	0.0014	U	0.001	U
Chlorobenzene	1.1	100	0.0005	U	0.0005	U	0.00068	U	0.00053	U
Chloroethane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Chloroform	0.37	10	0.0015	U	0.0015	U	0.002	U	0.0016	U
Chloromethane	NA	NA	0.004	U	0.004	U	0.0055	U	0.0042	U
cis-1,2-Dichloroethene	0.25	59	0.001	U	0.00099	U	0.0014	U	0.001	U
cis-1,3-Dichloropropene	NA	NA	0.0005	U	0.0005	U	0.00068	U	0.00053	U
Dibromochloromethane	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
Dibromomethane	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Dichlorodifluoromethane	NA	NA	0.01	U	0.0099	U	0.014	U	0.01	U
Ethyl ether	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
Ethylbenzene	1	30	0.001	U	0.00099	U	0.0014	U	0.001	U
Hexachlorobutadiene	NA	NA	0.004	U	0.004	U	0.0055	U	0.0042	U
Isopropylbenzene	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
Methyl tert butyl ether	0.93	62	0.002	U	0.002	U	0.0027	U	0.0021	U
Methylene chloride	0.05	51	0.005	U	0.005	U	0.0068	U	0.0053	U
Naphthalene	12	100	0.004	U	0.004	U	0.0055	U	0.0042	U
n-Butylbenzene	12	100	0.001	U	0.00099	U	0.0014	U	0.001	U
n-Propylbenzene	3.9	100	0.001	U	0.00099	U	0.0014	U	0.001	U
o-Chlorotoluene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
o-Xylene	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
p/m-Xylene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
p-Chlorotoluene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
p-Diethylbenzene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
p-Ethyltoluene	NA	NA	0.002	U	0.002	U	0.0027	U	0.0021	U
p-Isopropyltoluene	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
sec-Butylbenzene	11	100	0.001	U	0.00099	U	0.0014	U	0.001	U
Styrene	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
tert-Butylbenzene	5.9	100	0.002	U	0.002	U	0.0027	U	0.0021	U
Tetrachloroethene	1.3	5.5	**0.0012**		**0.0028**		**0.0078**		**0.021**	
Toluene	0.7	100	0.001	U	0.00099	U	0.0014	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.0015	U	0.0015	U	0.002	U	0.0016	U
trans-1,3-Dichloropropene	NA	NA	0.001	U	0.00099	U	0.0014	U	0.001	U
trans-1,4-Dichloro-2-butene	NA	NA	0.005	U	0.005	U	0.0068	U	0.0053	U
Trichloroethene	0.47	10	0.0005	U	0.0005	U	0.00068	U	0.00053	U
Trichlorofluoromethane	NA	NA	0.004	U	0.004	U	0.0055	U	0.0042	U
Vinyl acetate	NA	NA	0.01	U	0.0099	U	0.014	U	0.01	U
Vinyl chloride	0.02	0.21	0.001	U	0.00099	U	0.0014	U	0.001	U
Xylenes, Total	0.26	100	0.001	U	0.00099	U	0.0014	U	0.001	U

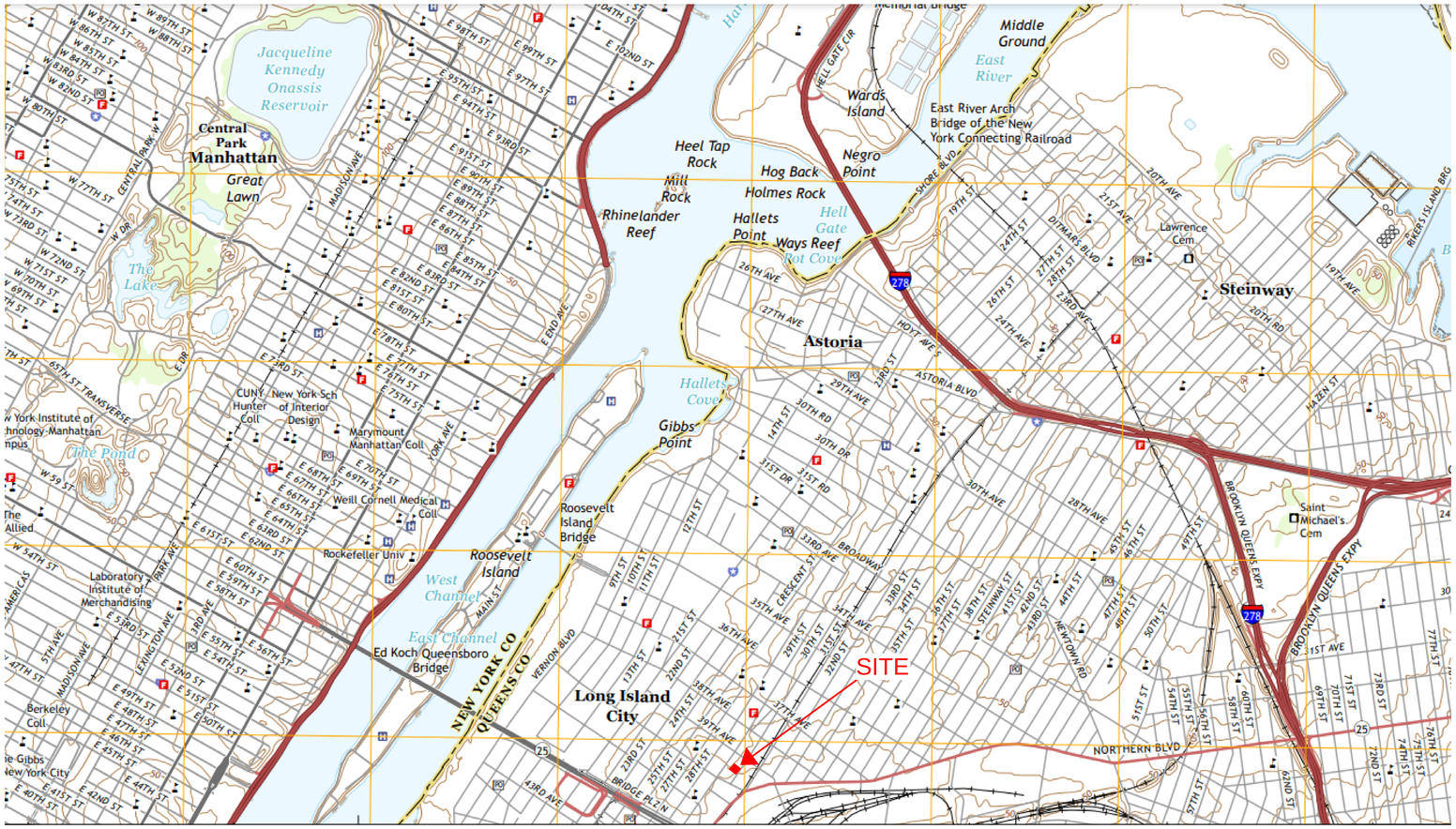
Notes

All results reported in milligrams per kilogram (mg/kg)
NY-UNRES: 6 NYCRR 375 Unrestricted Use Criteria
NY-RESR: 6 NYCRR 375 Restricted Residential Use Criteria
Q = Laboratory Qualifier
J = Estimated Value
U = Non-Detect at the associated numerical value (reporting limit)

NA = Not Applicable
-- = Not Analyzed
0.35 = Analyte detected above reporting limit
Analyte exceeds regulatory criteria

Figures

1 Site Location
2 Site Layout
3 Limited Soil Investigation and Historic Data
4 Site Existing Conditions – Post Building Demolition
5 Post-Excavation Documentation Sample Locations and Results
6 Current Site Layout
7 Cover System Details



SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1 MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

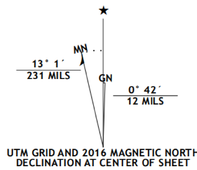
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.19

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 18T
10 000-foot ticks: New York Coordinate System of 1983 (long island zone), New Jersey Coordinate System of 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2013
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2013
Contours.....National Elevation Dataset, 2015
Boundaries.....Multiple sources; see metadata file 1972 - 2016

Wetlands.....FWS National Wetlands Inventory 1977 - 2014



UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
WL
Grid Zone Designation
18T



QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hackensack
2 Yonkers
3 Mount Vernon
4 Weehawken
5 Flushing
6 Jersey City
7 Brooklyn
8 Jamaica

ADJOINING QUADRANGLES

CENTRAL PARK, NY-NJ
2016

LEGEND

- Expressway
- Secondary Hwy
- Ramp
- Local Connector
- Local Road
- 4WD
- State Route
- Interstate Route
- US Route

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Zhong Chuang Properties, LLC
BRIDGE CLEANERS SITE
39-26 30th ST
LONG ISLAND CITY NEW YORK

DRN NC	DATE 5/23/2023
DES NK	DATE 5/23/2023
CHK NK	DATE 5/23/2023
SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

SITE LOCATION

FIGURE
1



LEGEND

Borough Boundary	C50 Condo Flag/Condo Nunber
Tax Block Boundary	A50 Air Right Flag/Lot Number
50 Tax Block Number	S50 Subterranean Right Flag/Lot Number
Tax Lot Boundary	R REUC Flag
50 Tax Lot Number	Under Water Tax Lot Boundary
-50- Condo FKA Tax Lot Number	Other Boundary
66.6 Tax Lot Dimension	Possession Hook
+/-5.5 Approximate Tax Lot Dimension	Misc Miscelaneous Text
1000 - 1100 Condo Units Range Label	Small Tax Lot Dimension
Building Footprint	Surface Water
Subject Property	Site and Property Boundary

Source: BRIDGE CLEANERS TAX MAP - Digital Tax Map - New York City Dept. of Finance (1/31/2020)

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SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

SITE LAYOUT

FIGURE
2

SAMPLE ID:	SB-10		
COLLECTION DATE:	4/5/2022		
SAMPLER:	EECC		
DEPTH (ft)	2.5-5	7-7.5	15-15.5
PCE	0.024	0.0008J	0.00092J
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-8	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	0-5	8-8.5
PCE	0.012	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-07		
COLLECTION DATE:	12/30/2014		
SAMPLER:	Integral		
DEPTH (ft)	0-4	0-4 (dup)	15.0-17.5
PCE	4.8	9.6	1.8
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-06	
COLLECTION DATE:	12/30/2014	
SAMPLER:	Integral	
DEPTH (ft)	11.5-12.0	17.5-18.5
PCE	6.9	0.087
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

BLOCK 399, LOT 31

SAMPLE ID:	B-1			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5	9.5-10	14.5-15	19.5-20
PCE	0.0033J	0.0037J	0.0039J	0.153
DCE	ND	ND	ND	0.0092J
1,2 DCE	ND	ND	ND	0.0011J
VC	ND	ND	ND	ND

SAMPLE ID:	SB-9	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-5	7-7.5
PCE	ND	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-4			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.5-14.0	19.5-20.0
PCE	0.0033J	0.0124	0.0071J	0.0077
DCE	ND	ND	ND	ND
1,2 DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	B-3			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	2.5-3	8.0-8.5	13.0-13.5	17.5-18.0
PCE	0.0086	0.0069	0.0022J	0.0023J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	SB-15	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	3-5	12-13
PCE	0.00065J	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-11	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-4.5	9.5-10
PCE	ND	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-13	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	2-2.5	7-7.5
PCE	0.023	0.00048J
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-12		
COLLECTION DATE:	4/5/2022		
SAMPLER:	EECC		
DEPTH (ft)	0-5	7-8	15-15.5
PCE	0.016	0.00077J	ND
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-14	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-5	6-10
PCE	0.00016	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-2			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.0-13.5	19.5-20.0
PCE	0.208	.0058J	0.0035J	0.0013J
TCE	0.0043J	ND	ND	ND
1,2-DCE	0.00051J	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	B-5			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5.0	9.5-10	13.0-13.5	18.5-19.0
PCE	0.0085	0.00092J	0.0012J	0.00095J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	SB-16	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	3-5	7-7.5
PCE	0.00028	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SB-8 SB-10 SB-07 SB-06 SB-09 GW-1 GW-3 GW-4 SB-11 GW-2 SB-15 SB-13 SB-12 GW-5 SB-14 SB-16

GARAGE DOOR GARAGE

SIDEWALK

HYDRANT

CURB

30th STREET

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

LEGEND

- EXTENT OF EXCAVATION / APPROXIMATE BUILDING FOOTPRINT
- CONCRETE COVER
- SB-08 LSI SOIL SAMPLE LOCATION
- MONITORING WELL AND HISTORIC SOIL SAMPLE LOCATION
- HISTORIC SOIL SAMPLE LOCATION

NOTES:
1,2 DCE = 1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride
J = Estimated value
ND = Non-detect
Analytical concentrations shown in milligrams per kilogram
Sample depths shown in feet below ground surface

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

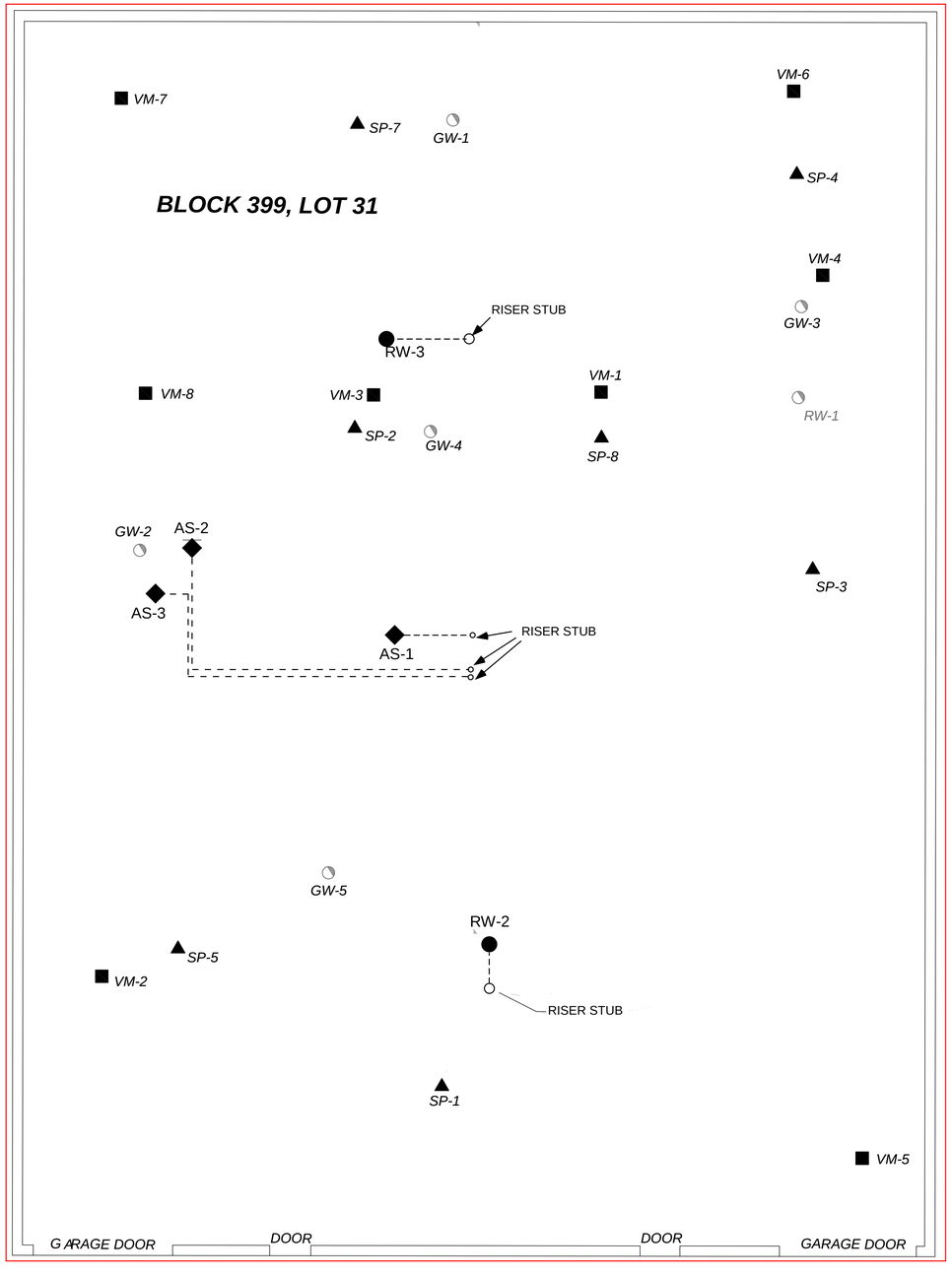
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Zhong Chuang Properties, LLC
BRIDGE CLEANERS SITE
39-26 30th ST
LONG ISLAND CITY NEW YORK

DRN	DATE
NC	5/23/2023
DES	DATE
NK	5/23/2023
CHK	DATE
NK	5/23/2023
SCALE	PROJECT NO.
AS NOTED	BRIDGE CLEANERS

LIMITED SOIL INVESTIGATION AND HISTORIC DATA

FIGURE
3



LEGEND

- SUBGRADE PVC PIPE
- AIR SPARGE WELL
- VAPOR EXTRACTION WELL
- ABANDONED GROUNDWATER MONITORING OR VAPOR RECOVERY WELL
- VACUUM MONITORING POINT
- SOIL VAPOR POINT
- RISER LOCATION
- CONCRETE COVER

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.
2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

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BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN NC	DATE 5/23/2023
DES NK	DATE 5/23/2023
CHK NK	DATE 5/23/2023
SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

SITE EXISTING CONDITIONS - POST BUILDING DEMOLITION

FIGURE

4

SAMPLE ID:	PX-SW
COLLECTION DATE:	2/8/2023
SAMPLER:	EECC
DEPTH (ft):	12-12.5
PCE	ND
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-S
COLLECTION DATE:	2/8/2023
SAMPLER:	EECC
DEPTH (ft):	12-12.5
PCE	ND
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-SE
COLLECTION DATE:	2/8/2023
SAMPLER:	EECC
DEPTH (ft):	12-12.5
PCE	ND
TCE	ND
1,2 DCE	ND
VC	ND

BLOCK 399, LOT 31

SAMPLE ID:	PX-W
COLLECTION DATE:	3/14/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.021
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-C
COLLECTION DATE:	3/14/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.0028
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-E
COLLECTION DATE:	2/15/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.0093
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-NW
COLLECTION DATE:	3/14/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.0078
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-N
COLLECTION DATE:	3/14/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.0012
TCE	ND
1,2 DCE	ND
VC	ND

SAMPLE ID:	PX-NE
COLLECTION DATE:	2/2/2023
SAMPLER:	EECC
DEPTH (ft):	5-5.5
PCE	0.011
TCE	ND
1,2 DCE	ND
VC	ND

Elevator Location

Excavated to 8' bgs

Side Foundation Wall
Excavated to 12' bgs at left edge, then 1:1 slope will end 12' off building edge.

Stormwater Basin
Excavated to 8'

CONCRETE

SIDEWALK

HYDRANT

CURB

30th STREET

LEGEND

- **EXTENT OF EXCAVATION / APPROXIMATE BUILDING FOOTPRINT**
- **CONCRETE COVER**
- **EXCAVATION AREAS DEEPER THAN 5 FT BELOW GRADE SURFACE**
- **POST-EXCAVATION DOCUMENTATION SAMPLES**

NOTES:
1,2 DCE = 1,2-Dichloroethene
PCE = Tetrachloroethene
TCE = Trichloroethene
VC = Vinyl Chloride
J = Estimated value
ND = Non-detect
Analytical concentrations shown in milligrams per kilogram
Sample depths shown in feet below ground surface

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

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39-26 30th ST

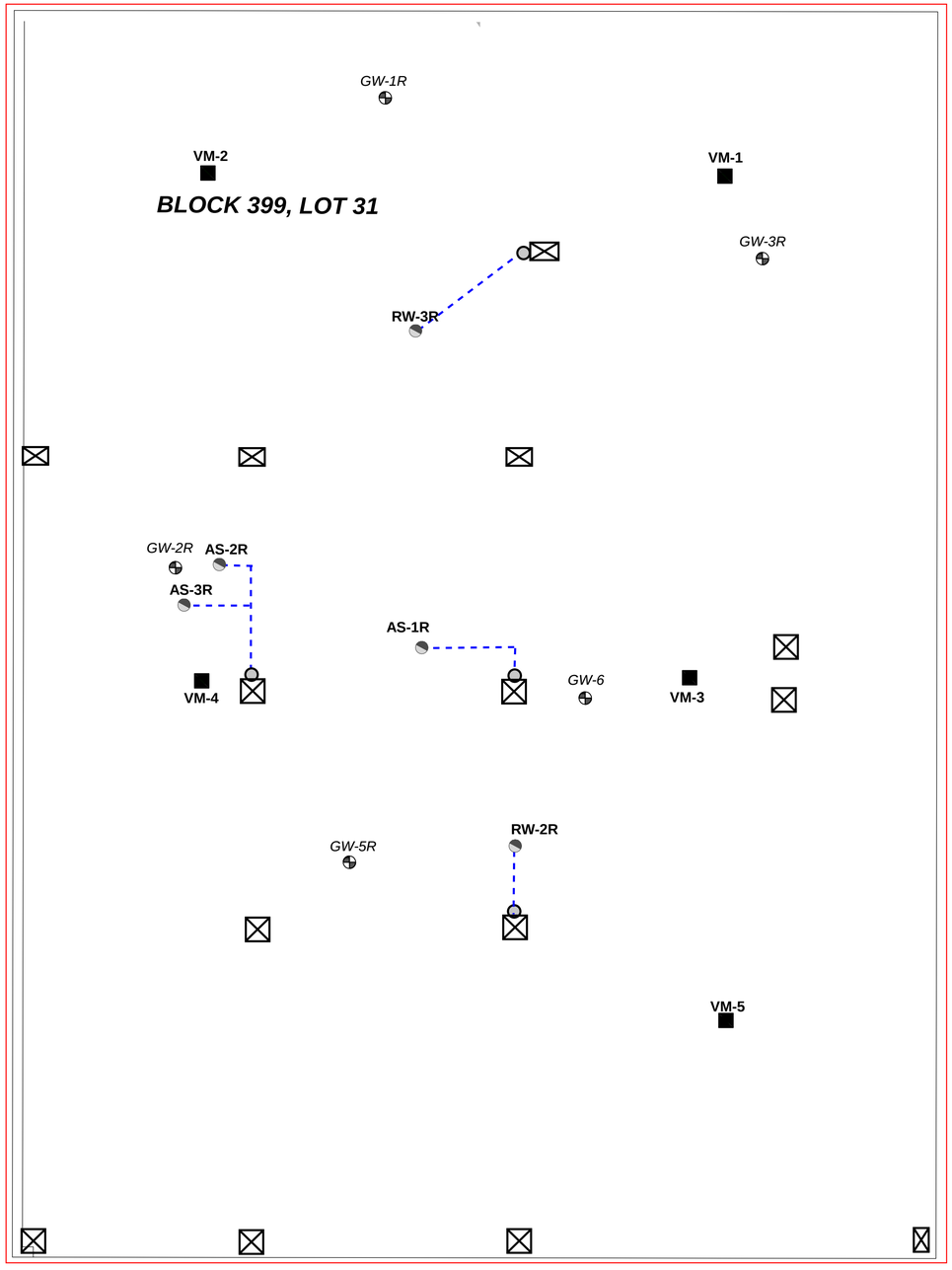
LONG ISLAND CITY NEW YORK

DRN	DATE
NC	5/23/2023
DES	DATE
NK	5/23/2023
CHK	DATE
NK	5/23/2023
SCALE	PROJECT NO.
AS NOTED	BRIDGE CLEANERS

POST-EXCAVATION DOCUMENTATION SAMPLE LOCATIONS AND RESULTS

FIGURE

5



LEGEND

- EXTENT OF EXCAVATION / APPROXIMATE BUILDING FOOTPRINT
- CONCRETE COVER
- SUB-GRADE PVC PIPING
- GROUNDWATER MONITORING WELL
- VACUUM MONITORING POINTS
- AS/SVE REPLACEMENT WELL LOCATIONS (IF REQUIRED)
- VERTICAL RISER STUB-UP LOCATION
- APPROXIMATE CONCRETE COLUMN LOCATIONS

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

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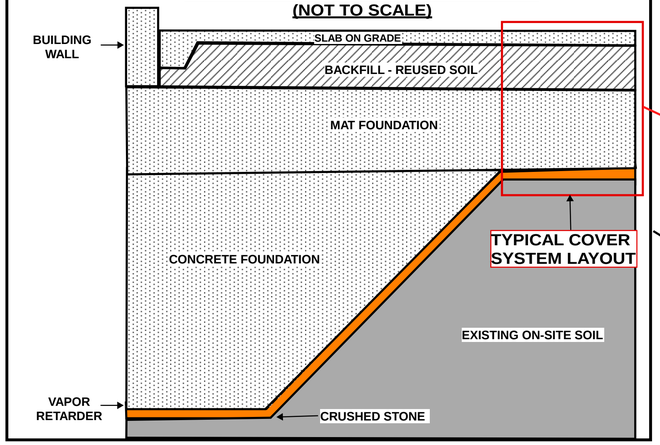
DRN NC	DATE 5/23/2023
DES NK	DATE 5/23/2023
CHK NK	DATE 5/23/2023
SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

CURRENT SITE LAYOUT

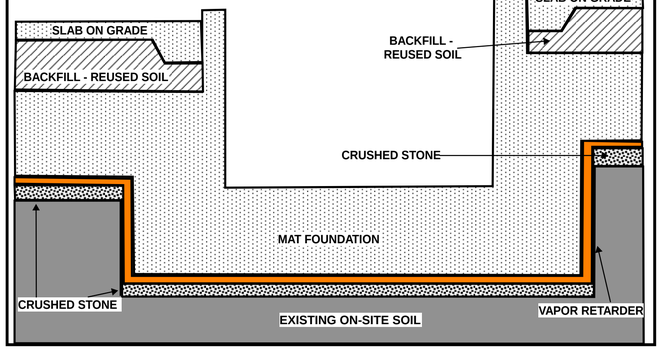
FIGURE

6

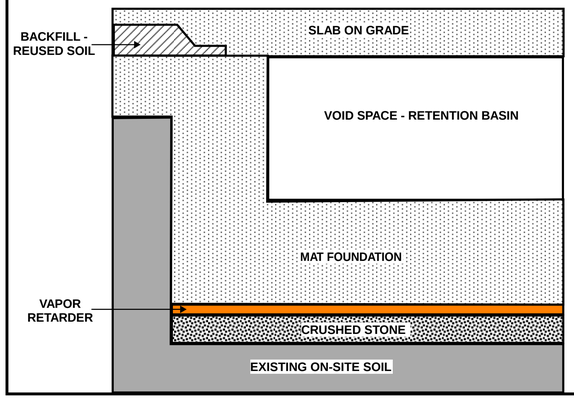
SIDE FOUNDATION WALL COVER SYSTEM (NOT TO SCALE)

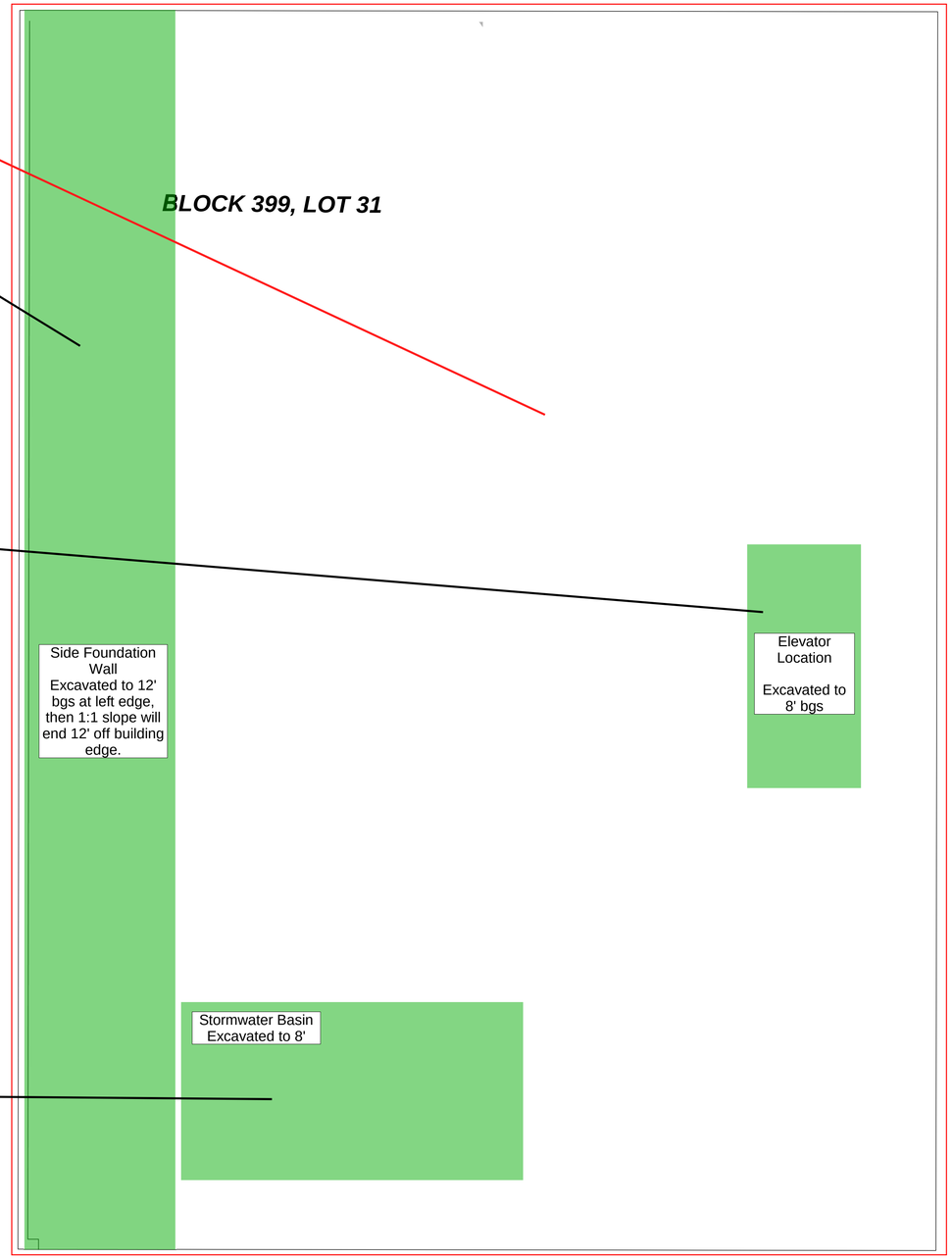


ELEVATOR LOCATION COVER SYSTEM (NOT TO SCALE)



STORMWATER BASIN COVER SYSTEM (NOT TO SCALE)





LEGEND

- EXTENT OF EXCAVATION / APPROXIMATE BUILDING FOOTPRINT
- CONCRETE COVER
- EXCAVATION AREAS DEEPER THAN 5 FT BELOW GRADE SURFACE

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

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Zhong Chuang Properties, LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN NC	DATE 5/23/2023
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SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

COVER SYSTEM DETAILS

FIGURE

7

Appendix A

Environmental Easement (March 4, 2019) and Amendment (April 3, 2023)

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 4th day of March, 2019, between Owner(s) Zhong Chuang Properties, LLC, having an office at 37-24 30th Street, Long Island City, New York 11101, County of Queens, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 39-26 30th Street in the City of New York, County of Queens and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 399 Lot 31, being the same as that property conveyed to Grantor by deed dated March 9, 2012 and recorded in the City Register of the City of New York as CRFN # 2012000122920. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.17 +/- acres, and is hereinafter more fully described in the Land Title Survey dated November 27, 2018 prepared by Gerald T. O'Buckley, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: C●2–20170509-174, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:	Site Number: 241127 Office of General Counsel NYSDEC 625 Broadway Albany New York 12233-5500
With a copy to:	Site Control Section Division of Environmental Remediation NYSDEC 625 Broadway Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Zhong Chuang Properties, LLC:

By: _____

Print Name: Steve Lin

Title: member Date: 01/25/19

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 25th day of January, in the year 2019, before me, the undersigned, personally appeared Steve Lin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SAMMIE HUANG
Notary Public, State of New York
Qualified in New York County
No. 01HU6114472
Commission Expires 8/16/ 2020

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Michael J. Ryan, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 4th day of March, in the year 2019, before me, the undersigned, personally appeared Michael J. Ryan, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 2020

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE, LYING AND BEING IN THE BOROUGH AND COUNTY OF QUEENS, CITY AND STATE OF NEW Y●RK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY SIDE OF 30TH STREET, DISTANT 133.72 FEET (DEED) (133.73 FEET ●N TAX MAP) NORTHERLY FROM THE C●RNER FORMED BY THE INTERSECTION OF THE WESTERLY SIDE OF 30TH STREET WITH THE NORTHERLY SIDE OF 40TH AVENUE AS SAID STREET AND AVENUE ARE SHOWN AND LAID OUT ON THE FINAL T●POGRAPHICAL MAP OF THE CITY OF NEW YORK FOR THE BOROUGH OF QUEENS;

RUNNING THENCE WESTERLY AT RIGHT ANGLES TO THE WESTERLY SIDE OF 30TH STREET, 100.10 FEET;

THENCE NORTHERLY PARALLEL WITH THE WESTERLY SIDE OF 30TH STREET, 75.06 FEET;

THENCE EASTERLY AGAIN AT RIGHT ANGLES T● THE WESTERLY SIDE ●F 30TH STREET, 100.10 FEET TO THE WESTERLY SIDE OF 30TH STREET;

THENCE SOUTHERLY ALONG THE WESTERLY SIDE OF 30TH STREET, 75.06 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING APPROXIMATELY 0.17 ACRES MORE OR LESS.

FOR INFORMATION ONLY: SAID PREMISES BEING KNOWN AS 39-28 30TH STREET, LONG ISLAND CITY, NEW YORK 11101. BLOCK: 399 LOT: 31

AMENDMENT TO ENVIRONMENTAL EASEMENT

This Amendment to Environmental Easement is made as of this 3rd day of April 2023 between Owner(s) Zhong Chuang Properties, LLC, having an office at 37-24 30th Street, Long Island City, New York 11101, County of Queens, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee"), acting through their Commissioner of the Department of Environmental Conservation ("NYSDEC" or the "Department") with its headquarters located at 625 Broadway, Albany, New York 12233.

RECITALS

1. Grantor is the owner of certain land known and designated on the tax map of the New York City Department of Finance, County of Queens and State of New York as tax map parcel number: Block 399 Lot 31, being the same as the property conveyed to Grantor by deed dated March 9, 2012 and recorded in the City Register of the City of New York as CRFN # 2012000122920.

2. The Department and Grantor entered into that certain Environmental Easement ("Easement Agreement") dated as of March 4, 2019.and recorded in the NYC Department of Finance Office of the City Register on March 4, 2019 as CRFN # 2019000081445. Capitalized terms used herein without definition have the meanings ascribed to them in the Environmental Easement Agreement.

3. Pursuant to Section 1, 2, 3, 4, and 5 of the Easement Agreement, Grantor granted the Department rights and interests that run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of the Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of certain maintenance, monitoring or operation requirements; and to ensure the potential restriction of future uses of the land that are inconsistent with the stated purpose.

4. This Amendment to Environmental Easement is filed solely in order to revise Section 2 A of the Easement Agreement, the use of the Controlled Property.

5. Pursuant to Section 8 of the Easement Agreement, the Department agrees to amend the Easement Agreement in the manner prescribed by Article 9 of the Real Property Law.

AMENDMENT OF ENVIRONMENTAL EASEMENT

A. The above recitals are hereby incorporated into this Amendment of Environmental Easement.

B. The Department and Grantor hereby agree Section 2 A of the Easement Agreement is hereby amended to read as follows:

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

C. The Department and Grantor hereby agree Section B of the Easement Agreement is hereby amended to read as follows:

B. The Controlled Property shall not be used for Residential purposes as defined in 6 NYCRR 375-1.8(g)(2)(i) and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

D. All other terms of the March 4, 2019 Environmental Easement shall remain in effect.

E. This Amendment of Environmental Easement inures to and binds the parties hereto and their respective successors and assigns.

F. This Amendment of Environmental Easement shall be governed by and interpreted in accordance with the laws of the State of New York.

IN WITNESS WHEREOF, Grantor has caused this Amendment to Environmental Easement to be signed in its name.

Zhong Chuang Properties, LLC:

By: _____

Print Name: Qi HONG LIN

Title: President Date: 01/26/23

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 26th day of January, in the year 2023, before me, the undersigned, personally appeared Qi Hong Lin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SAMMIE HUANG
Notary Public, State of New York
Qualified in New York County
No. 01HUG114472
Commission Expires 8/16/ 2024

THIS AMENDMENT OF THE ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: Andrew Guglielmi
Andrew Guglielmi, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 3rd day of April, in the year 2023 before me, the undersigned, personally appeared Andrew Guglielmi, personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

Jennifer Andaloro
Notary Public - State of New York

JENNIFER ANDALORO
Notary Public, State of New York
No. 02AN6098246
Qualified in Albany County
Commission Expires January 14, 2024

Appendix B

Limited Soil Investigation Boring Logs

BORING LOG

BORING NUMBER: SB-8

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 20 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0.1	0-5'	9"		0-0.5: Concrete slab
	0			SP	0.5-5': Dark Brown fine sand, dry
	0				
	0				
	0				
	0				
5	0		2'	SP	5-10': Light brown fine sand, dry
	0				
	0	8-8.5'			
	0				
	0				
10	0		3'		10-15': Same as above
	0				
	0				
	0				
	0				
15	0		3.5'	SP	15-20': Same as above, wet at 18 ft
	0				
	0				
	0				
	0				
20					End of boring at 20 ft

BORING LOG

BORING NUMBER: SB-9

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 10 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		2'		0-0.5': Concrete slab
				GM	0.5-2.5': Brown silt and gravel, dry
	0				
	0				
				SP	2.5-5': Light brown fine sand, dry
	0				
	0	4-5'			
5	0		5'	SP	5-10': Same as above
	0				
	0	7-7.5'			
	0				
	0				
10					End of boring at 10 ft
15					
20					

BORING LOG

BORING NUMBER: SB-10

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 20 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		1'		0-0.5': Concrete slab
	0			GM	0-2.5': Dark brown silt, gragel, dry
	0				
	0	2.5-5'		SP	2.5-5': Light brown fine sand, dry
	0				
	0				
5	0		2.5'	SP	5-10': Same as above
	0				
	0	7-7.5'			
	0				
	0.1				
10	0		3'	SP	10-15': Same as above
	0				
	0				
	0				
	0				
	0.1				
15	0	15-15.5'	4'	SP	15-20' Same as above, wet at 17 ft
	0				
	0				
	0				
	0				
	0.1				
20					End of boring at 20 ft

BORING LOG

BORING NUMBER: SB-11

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 10 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		3'		0-0.5': Concrete slab
	0			SW	0-3': Dark brown fine sand with 5% gravel, dry
	0				
	0			SP	3-5': Brown fine sand, dry
	0	4.5-5'			
5	0		3'	SP	5-8': Same as above
	0				
	0			SP	8-10': Tan medium brown sand, dry
	0				
	0	9.5-10'			
10					End of boring at 10 ft
15					
20					

BORING LOG

BORING NUMBER: SB-12

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 20 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

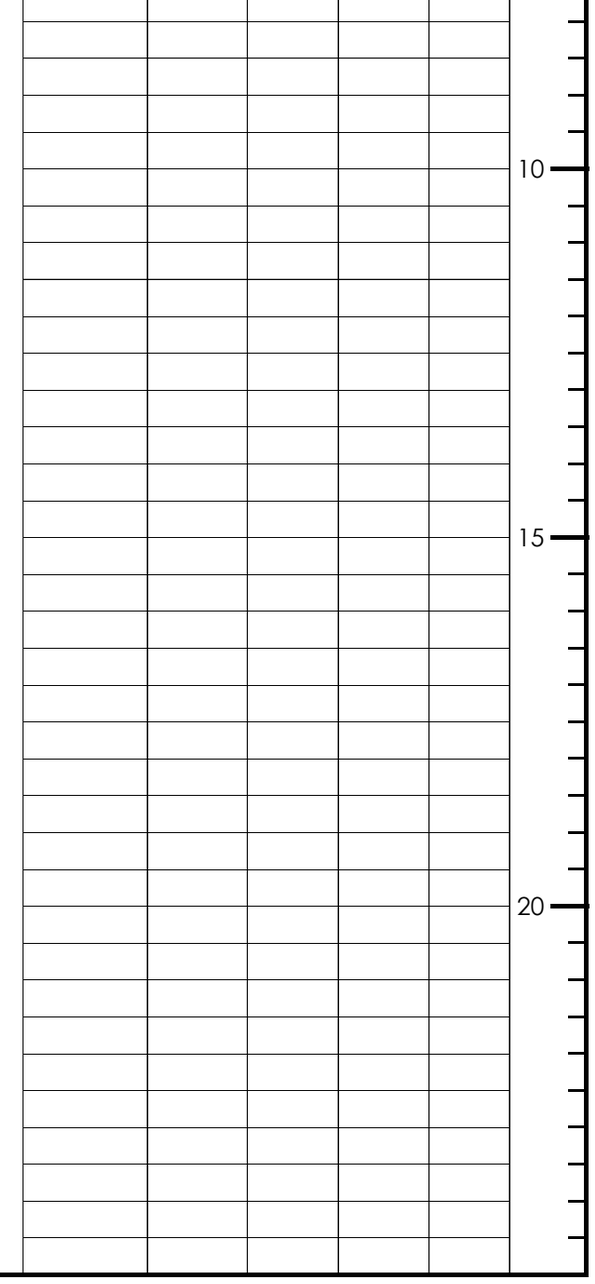
WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM



DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0	0-5'	1'		0-0.5': Concrete slab
				ML	0-5': Dark brown silt, black rock, quartz
	0				
	0				
	0				
	0				
5	0		4'	CL	5-10': Brown clay, damp, no odor
	0				
	0	7-8'			
	0				
	0				
10	0.1		3'	SP	10-15': Light brown fine sand, dry, no odor
	0.1				
	0.1				
	0.1				
	0.1				
	0.1				
15	0		4'	ML	15-15.5': Light brown fine silt
				SP	15.5-20': Light brown fine sand, wet at 18 ft
	0				
	0				
	0				
	0				
20					End of boring at 20 ft

BORING LOG

BORING NUMBER: SB-13

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 10 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		3'		0-0.5': Concrete slab
				GM	0-4': Brown silt, gravel, dry
	0				
		2-2.5'			
	0				
	0				
	0			CL	4-5': Brown clay
5	0		5'	SP	5-6': Brown fine sand, dry
	0			CL	6-8': Light brown clay
	0	7-7.5'			
	0			SP	8-10': Brown fine sand, dry
	0				
10					End of boring at 10 ft
15					
20					

BORING LOG

BORING NUMBER: SB-14

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 20 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		2'		0-0.5': Concrete slab
					0.5-1.75': Dark brown fill, brick fragments, gravel, fine sand
	0			SP	1.75-5': Light brown fine sand, dry
	0				
	0				
	0	4-5'			
5	0		1.5'	SP	6-8': Same as above
	0	6-10'			
	0				
				SC	8-10': Brown tight clay and fine sand
	0				
	0				
10	0		3	SW	10-12': Brown fine sand with coarse gravel, dry
	0				
				SP	12-15': Brown fine sand, no odor, dry
	0				
	0				
	0				
15	0		4	SP	15-18': Same as above
	0				
	0				
	0				
	0			CL	18-19': Brown clay, tight, wet
	0			SP	19-20': Brown medium sand, wet, no odor
20					End of boring at 20 ft

BORING LOG

BORING NUMBER: SB-15

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 20 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0		2'		0-0.5': Concrete slab
	0			GM	0-2': Dark brown silt, sand, gravel, wet (from water on ground)
	0			ML	2-5': Brown silt and clay, some fine sand, wet, no odor
	0	3-5'			
	0				
5	0		3'	SP	5-10': Light brown fine sand, dry, no odor
	0				
	0				
	0				
	0				
10	0		2.5'	SP	10-15': Same as above
	0				
	0	12-13'			
	0				
	0				
15	0		3.5'	SP	15-20': Same as above, wet at 18'
	0				
	0				
	0				
	0				
20					End of boring at 20 ft

BORING LOG

BORING NUMBER: SB-16

PROJECT NUMBER: Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: Zhong Chuang Properties, LLC
CONTRACTOR: Coastal Environmental

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: John
INSPECTOR: Ashlyn Norberg

START DATE: 4/5/2022
FINISH DATE: 4/5/2022

DRILLING METHOD: Direct Push TOTAL DEPTH: 10 ft SAMPLER TYPE:
RIG TYPE: Geoprobe TOP OF ROCK: HAMMER WT.: FALL:

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
SCREEN INTERVAL	SLOT	RISER
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE

GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	DTB (ft.)

SKETCH

WELL CONSTRUCTION DIAGRAM

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
	0				0-0.5': Concrete slab
	0		1.5'	GM	0.5-2.5': Brown silt and gravel
	0				
	0				2.5-3': Quartz rock
	0	3-5'		SP	3-5': Brown fine sand, dry
	0				
5	0		4'	SP	5-10': Brown fine sand, dry, no odor
	0				
	0	7-7.5'			
	0				
	0				
10					End of boring at 10 ft
15					
20					

Appendix C

Redevelopment Excavation Work Plan

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Redevelopment Excavation Work Plan

For

Bridge Cleaners

39-26 30th Street

Long Island City, Queens County

New York

NYSDEC Site No. 241127

May 2022

Prepared for:

Zhong Chuang Properties LLC

39-26 30th St.

Long Island City, New York

Prepared by:

Environmental Engineering Compliance Control, D.P.C.

One Emery Ave.

Unit 2

Randolph, NJ, 07869

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Appendices

Appendix A	Environmental Easement Order on Consent, March 4, 2019
Appendix B	Structural Support and Excavation Preliminary Plans
Appendix C	Community Air Monitoring Plan (CAMP)
Appendix D	Health and Safety Plan (HASP)

Engineering Certification:

I, Nicholas Krasnecky, P.E., certify that I am a New York State registered Professional Engineer and that this Redevelopment Excavation Work Plan was prepared in accordance with applicable statutes and regulations and in substantial conformance with the Division of Environmental Remediation (DER) Technical Guidance for Site Investigation and Remediation (DER-10).



_____

Nicholas Krasnecky, P.E.
NYS PE License No. 100006

1.0 Introduction

Zhong Chuang Properties, LLC (Zhong Chuang), retained Environmental Engineering Compliance Control, D.P.C. (EECC) to prepare this work plan for the excavation associated with the proposed redevelopment at the Bridge Cleaners Site located at 39-26 30th St., Long Island City, New York (Site) (**Figure 1**). Zhong Chaung also retained Sustainable Development, Inc. (SDI) to provide project management services related to the excavation activities. EECC prepared this Redevelopment Excavation Work Plan (REWP) to serve as the notification and work plan for an excavation at the Site, in accordance with the Interim Site Management Plan (SMP), Appendix 3 – Excavation Work Plan (Exc-WP). This REWP will also serve as supporting detail for the Change of Use Notification addendum submitted as part of a Limited Soil Investigation (LSI) Work Plan, dated March 24, 2022. The proposed work will be performed in accordance with the Interim Site Management Plan (SMP), Appendix 3 – Exc-WP.

1.1 Site Location and Description

The Site is currently owned by Zhong Chuang Properties, LLC and is identified by the NYSDEC as Site No. 241127. The Site consists of a one-story slab-on-grade masonry building, identified as Block 399, Lot 31 on the New York City Tax Map (**Figure 2**), and is currently vacant, awaiting demolition and redevelopment into a multi-story residential building. Adjacent buildings to the north and west appear to contain residential units. To the south, the adjacent lot is being redeveloped as a multi-story residential structure. To the east is 30th Street.

1.2 Report Organization

In addition to this introduction, this report is divided into seven sections as follows:

- *Section 2.0 – Project Description and Background*: Presents information regarding the Site and its pertinent characteristics and history, including current Institutional Controls and redevelopment plans;
- *Section 3.0 – Excavation Work Plan*: Presents a detailed description of the excavation work plan and associated details;
- *Section 4.0 – Reporting:* Outlines the reporting and permit requirements prior to, and during, the implementation of this WP;
- *Section 5.0 – Schedule:* Presents the proposed schedule;
- *Section 6.0 – References*: Presents the references utilized in preparation of this WP.

On and offsite soil and material generated during excavation activities at the Site, including digging, handing, transportation, and disposal shall be performed in compliance with this REWP and 29 CFR 1910.120, as described herein.

2.0 Project Description and Background

The Site was previously occupied by a commercial laundry and dry cleaner, Bridge Cleaners, until 2011. Records indicate at least 10 years of use as a commercial dry cleaner. Site investigations were conducted at the Site and off-site properties from 2009 to 2016. The results of these investigations indicated the presence of dry-cleaning related compounds tetrachloroethene (PCE) and its breakdown products, including trichloroethene (TCE), in the soil, soil vapor, and groundwater, at concentrations which exceeded the relevant NYSDEC standards and guidelines. The Site currently has an environmental easement in place, dated March 4, 2019 (**Appendix A**).

An Interim Remedial Design Document prepared by Integral Engineering, P.C. (Integral), was approved by the NYSDEC on March 29, 2016. The corresponding AS/SVE remedial system was installed and began operation in March 2018. Following the installation and operation of the system, Integral issued Draft CCR dated December 2018, and a Memorandum - Successful Former Bridge Cleaners AS/SVE System Performance dated July 19, 2019, detailing the system installation and operations. Correspondence between the NYSDEC and Integral resulted in the issuance of a Dispute Resolution Decision, dated November 4, 2019, which stipulates modifications to the system were necessary to address continued groundwater contamination. Subsequently, the system was modified in September 2020 per the Supplemental Interim Remedial Measures Work Plan (IRM WP), dated July 2020, prepared by TechSolutions Engineering, P.C. (TechSolutions). EECC oversaw the implementation of the Supplemental IRM WP and subsequently prepared a CCR, dated August 2021 and an Interim SMP, dated November 2021.

The proposed redevelopment includes the construction of an 11-story residential building with an open-air garage on the ground floor. The current structure is in the process of being demolished as presented in the Change of Use WP, dated December 2021. The proposed building will occupy the majority of the Site footprint. Construction will require the removal of the concrete slab, which is currently being utilized as a cover system and excavation of on-site soil/material to install the foundation structures and elevator shaft. As such, this soil/material requires characterization, proper handling, management, and disposal. In addition, the excavation work is anticipated to impact engineering controls at the Site. This REWP will also serve as supporting detail for the Change of Use Notification addendum submitted as part of a LSI Work Plan, dated March 24, 2022.

2.1 Project Details

2.1.1 Excavation Plan

Grand Millennium Consulting Engineer, PLLC (Grand Millennium) prepared the structural support plans provided as **Appendix B**. Based on the plans the excavation will encompass the entire Site footprint, approximately 7,500-square feet, and will extend to a depth of 5-feet below ground surface (bgs). The excavation will extend deeper along the southern property boundary and at the proposed elevator location. The southern property boundary excavation will extend to approximately 12 feet bgs to reach the bottom of the foundation of the adjacent building and install foundation structures. The location of this excavation area is provided on FD-100, and the section detail is provided on FD-201, Detail 7 within **Appendix B**. An elevator pit will be excavated at the proposed elevator location to accommodate the elevator shaft. The elevator pit excavation will extend to approximately 10 feet bgs and the location is shown on FD-100 within **Appendix B**.

Based upon the lateral and vertical dimensions of the proposed excavation, an estimated 1,575 cubic yards of soil/material and 200 cubic yards of concrete (from the existing concrete slab) is anticipated to be generated during the excavation. **Figure 3** depicts the current excavation areas and depths. All soil/material will be managed as regulated material and will be disposed of in accordance with applicable laws and regulations.

The proposed concrete and soil/material to be excavated is anticipated to be characterized for appropriate management, handling, and disposal protocols prior to the excavation. Details regarding the proposed characterization sampling plan are provided in the LSI WP, dated March 24, 2022. The soil/material is anticipated to be characterized as non-hazardous regulated waste based on prior soil sampling and waste characterization data, and will be disposed of at one of the two following facilities:

Disposal Facility	**Waste Type**	**Estimated Quantities**
Pure Soil, Jackson, NJ	Soil/Fill	1,575-cu yds*
	Concrete	200-cu yds**
Clean Earth, Carteret, NJ	Soil/Fill	1,575-cu yds*
	Concrete	200-cu yds**
Soil Safe, Carteret, NJ	Soil/Fill	1,575-cu yds*
	Concrete	200-cu yds**

* Up to 1,575-cubic yards total of soil/fill anticipated for special handling and disposal.
** Up to 200-cubic yards total of concrete anticipated for special handling and disposal.

Details regarding the proposed soil screening, segregation and stockpiling, sampling, load out, transport, and offsite disposal of excavated soil/material is provided in ***Section 3.0***.

2.1.2 Documentation Sampling

In accordance with the DER-10, Section 5.4.(b)(ii)(2), documentation samples will be collected at the base of the excavation at a rate of one (1) sample per 900-square feet and along the sidewalls at a rate of one (1) sample per 30 linear feet. The proposed documentation sampled locations are presented on **Figure 4**. Discrete documentation samples will be collected and analyzed for the following:

- Target Compound List (TCL) Volatile Organic Compounds (VOCs) via EPA Method 8260C, with representative Total Solids Analysis via Method SM2540G

All analyses will be performed by an Environmental Laboratory Approval Program (ELAP) certified laboratory for the parameter being run. Results will be provided with Analytical Services Protocol (ASP) Category B deliverables electronically. Details regarding the sampling analyses and analytical services are provided in the Interim SMP QAPP (Appendix 9).

Quality control samples shall be collected and analyzed as outlined in the Interim SMP QAPP (Appendix 9). A Data Usability Summary Report (DUSR) will be completed in accordance with DER-10 requirements and data will receive a full validation.

All data generated that will be utilized as documentation or compliance samples will be submitted in an electronic data deliverable (EDD) that complies with the NYSDEC's Electronic Data Warehouse Standards (EDWS), or as otherwise directed by DER-10.

2.1.3 Structural Components and Backfill

The excavation plan outlined in ***Section 2.1.1*** above will be conducted to facilitate the construction of the structural foundation components detailed in **Appendix B**. The primary structural foundation component is a mat footing that extends across the entire Site (and proposed building) footprint and is 24 inches to 30 inches thick. The base of the mat footing sits at approximately 4.5 feet bgs and will be underlain with a waterproofing/vapor barrier, geotextile fabric, and 6 inches of imported crushed stone. The deeper excavations structures; southern side foundation wall and elevator pit; will also be underlain with a waterproofing/vapor barrier, geotextile fabric, and 6 inches of imported crushed stone. The combination of waterproofing/vapor barrier and geotextile fabric will plan to be utilized as the demarcation layer for the Site as all material above this layer will be either concrete or clean backfill.

Above the mat footing approximately 18 inches of imported soil backfill will be placed and compacted, then a 6-inch concrete slab on grade will be poured on top of the soil backfill.

Details regarding the impact of the new structural foundation components on the current engineering controls is provided in ***Section 2.3***.

2.2 Current Environmental Conditions

2.2.1 Soil

The only soil investigations conducted at the Site were performed in January and December 2014. The results of these soil investigations indicated one sample within the underlying soils located in the proposed excavation areal and vertical extents, SB-07, contained PCE which exceeded the unrestricted SCOs at a concentration of 9.6 mg/kg. All other soil samples within the proposed excavation areal and vertical extents were below the Unrestricted Use SCOs. The soil sample SB-07 is located in the northernmost corner of the site, and therefore it is postulated that PCE impacts above the Unrestricted SCOs may be encountered in that portion of the site during excavation activities. The comprehensive soil sampling data is presented on **Figure 3**.

Based on the soil investigation sampling results no grossly contaminated media is expected to be encountered during the excavation activities.

Additional soil investigation is to be conducted prior to the proposed excavation activities per the LSI WP, dated March 24, 2022. Any additional impacted indicated by the results of the LSI activities will be addressed in the field or an amendment to this REWP.

2.2.2 Groundwater

The groundwater table is located approximately 18-feet bgs, therefore groundwater will not be encountered during the excavation activities.

2.3 Current Engineering Controls

The Site currently has three engineering controls in place, per the environmental easement and Interim SMP:

- A cover system, which consists of a minimum, 4-inch-thick concrete slab;
- An AS/SVE system, which operated from March 14, 2018 thru December 8, 2021, prior to an interim shut down for remedial progress testing and redevelopment activities, in accordance with the Change of Use WP, dated December 2021, and
- A monitoring well network for ongoing groundwater sampling and monitoring.

It is anticipated that all three engineering controls will be impacted during the excavation work. Any system component (such as mechanicals, wells, piping, vacuum monitoring points) that is removed or altered by construction activities will be replaced and at the conclusion of the work, the AS/SVE system will continue to treat groundwater and maintain vacuum below the entire slab. Vacuum monitoring points and sampling points will be installed to document this.

2.3.1 Cover System

The current cover system consists of a minimum, 4-inch-thick concrete slab across the entire footprint of the Site. The current cover system will be removed during the excavation activities and disposed of offsite in accordance with applicable state and federal regulations (detailed in

Section 3.0). The cover system is anticipated to be replaced as described in ***Section 2.1.2*** and ***Section 3.9***.

2.3.2 AS/SVE System

The AS/SVE System was shut down and disconnected during building demolition activities, as described in the approved Change of Use WP. The AS wells and Vapor Monitoring (VM) points will be protected during excavation activities, if possible. If the AS wells cannot be protected due to the location and depth of excavation in their vicinity, they will be abandoned in accordance with the *NYSDEC CP-43: Groundwater Monitoring Well Decommissioning Policy* (CP-43).

The recovery wells, RW-2 and RW-3, utilized by the SVE system will be abandoned or modified. The current screened intervals of RW-2 and RW-3 extend above the proposed mat footing and therefore would be compromised during the installation of the mat footing. If possible, prior to significant excavation activities the topmost 5-foot section of PVC well screen will be exposed, unthreaded, and replaced by a 5-foot section of PVC riser at both RW-2 and RW-3. The replacement will set the screens of RW-2 and RW-3 below the mat footing and allow enough room for a proper sand pack and seal prior to the mat footing. If this is not possible, RW-2 and RW-3 will be abandoned in accordance with CP-43 and reinstalled.

The Soil Vapor Points (SP-1 thru 5, SP-7+8) will be removed during the removal of the existing concrete slab. Soil Vapor Points will be reinstalled within the new concrete slab-on-grade in updated locations based on the final structural and ground floor plans.

Any abandoned AS and SVE wells or removed VM points will be replaced as needed prior to placement of the vapor barrier and geotextile below the mat footing. The wells will be installed by a licensed well driller and will be appropriately sealed below the mat footing. The remaining PVC riser will extend above the proposed final slab-on-grade elevation and be cut down and finished during, or upon completion of, the slab-on-grade pour.

2.3.3 Monitoring Well Network

The groundwater monitoring wells will be protected during excavation activities, if possible. If the groundwater monitoring wells cannot be protected due to the location and depth of excavation in their vicinity, they will be abandoned in accordance with CP-43.

Any abandoned groundwater wells will be replaced as needed prior to placement of the vapor barrier and geotextile below the mat footing. The wells will be installed by a licensed well driller and will be appropriately sealed below the mat footing. The remaining PVC riser will extend above the proposed final slab-on-grade elevation and be cut down and finished during, or upon completion of, the slab-on-grade pour. New locations of the groundwater monitoring wells will be provided to the NYSDEC for approval prior to installation.

3.0 Excavation Work Plan

The proposed REWP includes soil screening, segregation and stockpiling, sampling, load out, transport, and offsite disposal. The following sections detail how the REWP will be implemented. All work will be performed in compliance with this REWP and 29 CFR 1910.120.

3.1 Soil Screening Methods

During all excavation and invasive work, visual, olfactory, and instrument-based soil and material screening will be performed by a Qualified Environmental Professional (QEP) or person under their supervision (Representative). Soil and material will be inspected for the presence of contaminated material and screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID).

If necessary, based on pre-construction characterization sampling, soils and similar material will be segregated based on previous environmental data and screening results into material that requires different off-site disposal facilities (i.e. non-hazardous vs. hazardous). Similar material can include particles of sand, gravel, and rock or other durable, granular material, that contributes to the function of the material as fill.

Concrete and construction debris will be screened and segregated from soil as it is anticipated to be disposed of offsite in a separate waste stream.

3.2 Stockpile Methods

Excavated impacted soil/material will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the Site and available for inspection by NYSDEC. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

Stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

3.3 Characterization of Excavated Materials

Soil/material or other excavated media that is transported off-Site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soil/material to be transported for off-Site disposal will be characterized during pre-construction sampling detailed in the LSI WP, dated March 24, 2022. It is anticipated that all excavated material will be disposed of offsite and will not be reused on site.

3.4 Materials Excavation and Load-Out

The QEP or person under their supervision will be responsible for the following:

- oversee the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that the presence of utilities and easements on the Site has been investigated and that identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that loaded outbound trucks are inspected and cleaned if necessary, before leaving the Site;
- ensure that egress points for truck and equipment transport from the Site will be kept clean of Site-derived materials during soil/materials removal.

An outbound-truck inspection station will be set up close to the Site exit. Before exiting the Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of contaminated soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels, and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to Site-derived materials.

3.5 Materials Transport Off-Site

Transport of materials will be performed by licensed haulers in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

A truck route to the nearest highway is included as **Figure 4**. All trucks loaded with site materials will exit the vicinity of the site using only these approved truck routes. This is the most appropriate route and takes into account: (a) limiting transport through residential areas and past sensitive sites; (b) use of city mapped truck routes; (c) prohibiting off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport.

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

Queuing of trucks will be performed on-site, when possible, in order to minimize off-site disturbance. Off-site queuing will be minimized.

3.6 Materials Disposal Off-Site

Prior to transporting material offsite, prior approval will first be obtained from the receiving facility. The following documentation will be prepared or obtained by the QEP for each disposal destination used during this project to document that regulated material exported from the site conforms with applicable laws and regulations:

1. A letter (or equivalent) from the Remedial Engineer to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is contaminated material generated at an environmental remediation Site in New York State. The letter will provide the project identity and the name and phone number of the Remedial Engineer. The letter will include as an attachment a summary of all chemical data for the material being transported (including Site Characterization data); and,
2. An acknowledgement from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material.

Soil or material or other waste excavated and removed from the site will be managed as regulated material and will be disposed of in accordance with applicable laws and regulations. Appropriately licensed haulers will be used for material removed from this Site and will be in full compliance with all applicable local, State and Federal regulations.

Waste characterization will be performed for offsite disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results, and QA/QC will be reported in a Construction Completion Report (CCR), which will be prepared and submitted within 60 days of work completion. The CCR will be stamped by a NY Licensed Professional Engineer. A manifest system for offsite transportation or exported material will be employed and reported in the CCR. Hazardous wastes derived from onsite will be stored, transported, and disposed of in compliance with applicable laws and regulations.

Actual disposal quantities and associated documentation will be reported to the NYSDEC in the CCR. This documentation will include: waste profiles, test results, facility acceptance letters, manifests, bills of lading, and facility receipts.

3.7 Materials Reuse On-Site

It is not anticipated that any materials will be reused onsite. In the instance materials are to be reused onsite this section outlines the requirements.

The QEP or Representative will ensure that procedures for materials reuse, as defined in DER-10 Section 5.4(e)(4), are followed and that unacceptable material does not remain on-site. Contaminated on-site material, including historic fill and contaminated soil, that is acceptable for reuse on-site will be placed below the demarcation layer or impervious surface, and will not be reused within a cover soil layer or as backfill for subsurface utility lines.

Any demolition material proposed for reuse on-site will be sampled for asbestos and the results will be reported to the NYSDEC for acceptance. Concrete crushing or processing on-site will not be performed without prior NYSDEC approval.

3.8 Fluids Management

Liquids to be removed from the site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the municipal sewer system will receive prior approval by the municipality. The dewatering fluid may be pretreated as necessary to meet the discharge criteria. If discharge to the sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-Site treatment facility.

Dewatering is not anticipated to be required the proposed work.

Discharge of water generated during construction to surface waters (i.e.: a stream or river) is prohibited without a SPDES permit issued by NYSDEC.

No discharges to surface waters are anticipated to be required for the proposed work.

3.9 Cover System Restoration

After the completion of soil removal and any other invasive activities the cover system will be restored in a manner that complies with the Order on Consent and Environmental Easement. The existing cover system is comprised of a minimum 4-inch-thick concrete cover. A demarcation layer will be placed to provide a visual reference to the top of the remaining contamination zone, the zone that requires adherence to special conditions for disturbance of remaining, potentially contaminated soils defined in this SMP.

The type of cover system is anticipated to change from that which exists prior to the excavation as the mat footing beginning at approximately 4.5-feet bgs will be the start of the cover system. This will constitute a modification of the cover element of the remedy and the upper surface of the remaining contamination. A figure showing the modified surface will be included in the CCR and in an updated SMP.

3.10 Import of Backfill from Off-Site Sources

This Section presents the requirements for imported fill materials to be used below the cover system. Imported soils will meet approved backfill and cover soil quality objectives for this Site.

All materials proposed for import onto the site will be approved by the QEP and will be in compliance with provisions in the Interim SMP prior to receipt at the site. A Request to Import/Reuse Fill or Soil form, will be prepared and submitted to the NYSDEC project manager allowing a minimum of 5 business days for review and approval. Any soils imported from off-site sources will be sampled in accordance with DER-10 Section 5.4(e).

A process will be established to evaluate sources of backfill and cover soil to be imported to the Site, and will include an examination of source location, current and historical use(s), and

applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the Site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives, including sampling per DER-10 Section 5.4(e), if required:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean gravel, rock or stone, consisting of virgin material from a permitting mine or quarry; or
- Recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYSDEC.

Materials received for import to the Site will be approved by the QEP or Representative and will be in compliance with provisions in the Interim SMP. The CCR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a Site map indicating the locations where backfill was placed.

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the Site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the Site at designated locations;
- The QEP or their representative is responsible to ensure that every truck load of imported material is inspected for evidence of contamination;
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter; and
- Imported soils will be stockpiled separately from excavated materials and covered to prevent dust releases.

All imported soils will meet the backfill and cover soil quality standards established in 6NYCRR 375-6.7(d). Soils that meet 'exempt' fill requirements under 6 NYCRR Part 360, but do not meet backfill or cover soil objectives for this site, will not be imported onto the site without prior approval by NYSDEC. Solid waste will not be imported onto the site.

3.11 Stormwater Pollution Prevention

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this work plan (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. The proposed locations for the soil erosion and sediment control measures are included in **Figure 5**. Discharge locations will be inspected to

determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the Site. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

3.12 Contingency Plan

This contingency plan is developed to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive Site work will be promptly communicated to the Project Manager. Petroleum spills will be reported to the NYSDEC Spill Hotline. In the event an underground storage tank (UST) is discovered, the soil beneath the UST will be sampled in accordance with DER-10 Section 5.5(c)(3). These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-Site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to the Project Manager. Chemical analytical testing will be performed for Full List volatiles and semi-volatiles, pesticides/PCBs, and TAL metals, as appropriate.

3.13 Community Air Monitoring Plan

A Community Air Monitoring Plan (CAMP) is required per DER-10 (Appendix 1A, NYSDOH, Generic CAMP) during all intrusive activities. Real-time continuous air monitoring for VOCs and particulates will be performed during ground intrusive activities.

The monitoring shall be consistent with the NYSDOH *Generic Community Air Monitoring Plan,* dated May 2010 (contained in DER-10). If work is performed within 20 feet of potentially exposed individuals or structures, and for indoor work with co-located residences or facilities, the monitoring shall also be consistent with the *Special Requirements for Work Within 20-feet of Potentially Exposed Individuals or Structures,* dated June 2000.

CAMP data summary tables will be maintained during CAMP activities and provided to the NYSDEC and NYSDOH at a minimum of a weekly basis. The Departments will be notified immediately (within 24 hours) of any CAMP Action Level exceedances and corrective measures taken.

The CAMP documents are included in **Appendix C**.

3.14 Odor, Dust, and Nuisance Control

3.14.1 Odor Control

Necessary means will be employed to prevent on- and off-Site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include:

(d) direct load-out of soils to trucks for off-Site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted, and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. Implementation of all odor controls, including halt of work, will be the responsibility of the representative's preparing the Completion Report.

3.14.2 Dust Control

Dust management during invasive on-Site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted, and the source of dusts will be identified and corrected. Work will not resume until all nuisance dust emissions have been abated. Implementation of dust controls, including halt of work, will be the responsibility of the QEP or their representative.

3.14.3 Nuisance Control

Noise control will be exercised during the excavation program. Excavation work will conform, at a minimum, to local noise control standards. Rodent control will be provided during the excavation program, as necessary, to prevent nuisances.

3.15 Health and Safety Plan

An excavation HASP has been prepared for the planned site work and specifies that the work performed will be in full compliance with applicable health and safety laws and regulations, including the Occupational Safety and Health Administration (OSHA) worker safety requirements and the Hazardous Waste Operations and Environmental Response (HAZWOPER) requirements. The parties performing the work will ensure that performance of the work follows the HASP and applicable laws and regulations.

All field personnel involved in the site activities will participate in training required under 29 CFR 1910.120, including 40-hour HAZWOPER training and the annual 8-hour refresher training.

A copy of the HASP is included in **Appendix D**.

4.0 Reporting

Following the completion of the REWP activities and approval from the NYSDEC, a CCR will be prepared to document the results of the work. The CCR will provide documentation that the

work was completed in compliance with the approved REWP and include a comprehensive account of the material excavated and removed from the site. The CCR will be stamped by a NY Licensed Professional Engineer and will be submitted within 60 days of work completion.

5.0 Schedule

A proposed schedule to conduct the REWP activities is provide below:

- Day 1: NYSDEC Approval of Work Plan (and related documents)
- Days 1-90: Project mobilization, completion of ground intrusive excavation activities, and placement of subsurface support structures.
- Days 90-120: Office documentation of REWP activities (CAMP, disposal documents, etc.).
- Days 120-180: Completion of CCR for submittal to NYSDEC.

6.0 References

Environmental Engineering Compliance Control, D.P.C. 2021. Change of Use Work Plan. December 2021.

Environmental Engineering Compliance Control, D.P.C. 2021. Construction Completion Report for Bridge Cleaners. August 2021

Environmental Engineering Compliance Control, D.P.C. 2021. Interim Site Management Plan. November 2021.

Environmental Engineering Compliance Control, D.P.C. 2022. Limited Soil Investigation Work Plan. March 2022.

Integral Engineering, P.C. 2016. Interim Remedial Measure Design Document. Bridge Cleaners Site, BCP Site No C241127. March 29, 2016

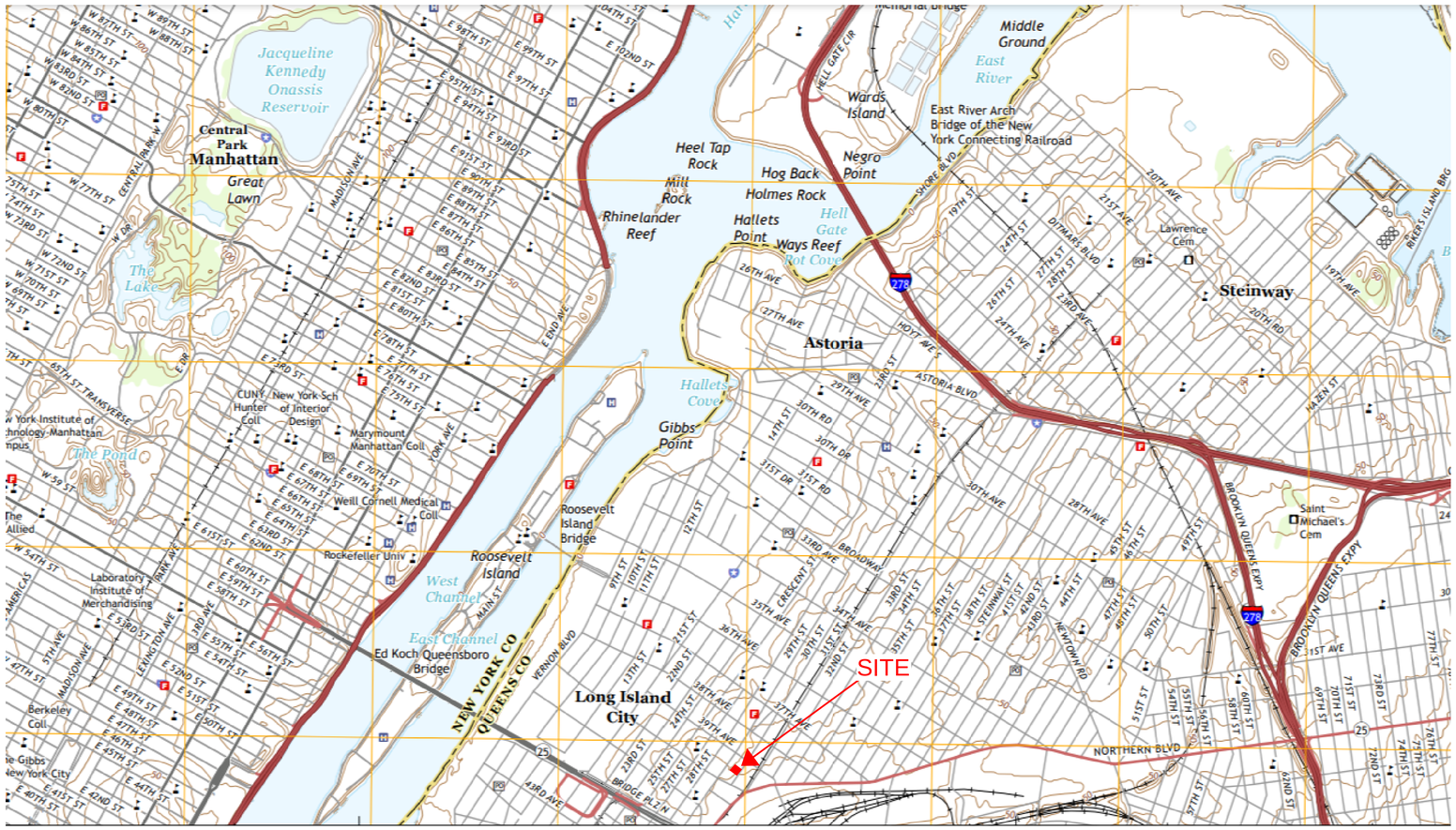
NYSDEC. 2010. Technical Guidance for Site Investigation and Remediation (DER-10). New York State Department of Environmental Conservation, Division of Environmental Remediation.

TechSolutions Engineering, P.C. 2014. Remedial Investigation Report. Former Bridge Cleaners. June 2014

TechSolutions Engineering, P.C. 2020. Supplemental Interim Remedial Measure Work Plan for Bridge Cleaners. July 2020

6NYCRR Part 375, Environmental Remediation Programs. December 14, 2006.

Figures



SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2

1000 500 0 METERS 1000 2000

1 0.5 0 1 MILES

1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

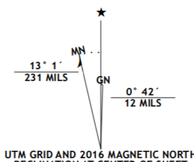
This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.19

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid: Universal Transverse Mercator, Zone 18T
10 000-foot ticks: New York Coordinate System of 1983 (long island zone), New Jersey Coordinate System of 1983

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, August 2013
Roads..... U.S. Census Bureau, 2015 - 2016
Names.....GNIS, 2016
Hydrography.....National Hydrography Dataset, 2013
Contours.....National Elevation Dataset, 2015
Boundaries.....Multiple sources; see metadata file 1972 - 2016

Wetlands.....FWS National Wetlands Inventory 1977 - 2014



UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
WL
Grid Zone Designation
18T



QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Hackensack
2 Yonkers
3 Mount Vernon
4 Weehawken
5 Flushing
6 Jersey City
7 Brooklyn
8 Jamaica

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

CENTRAL PARK, NY-NJ
2016

REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

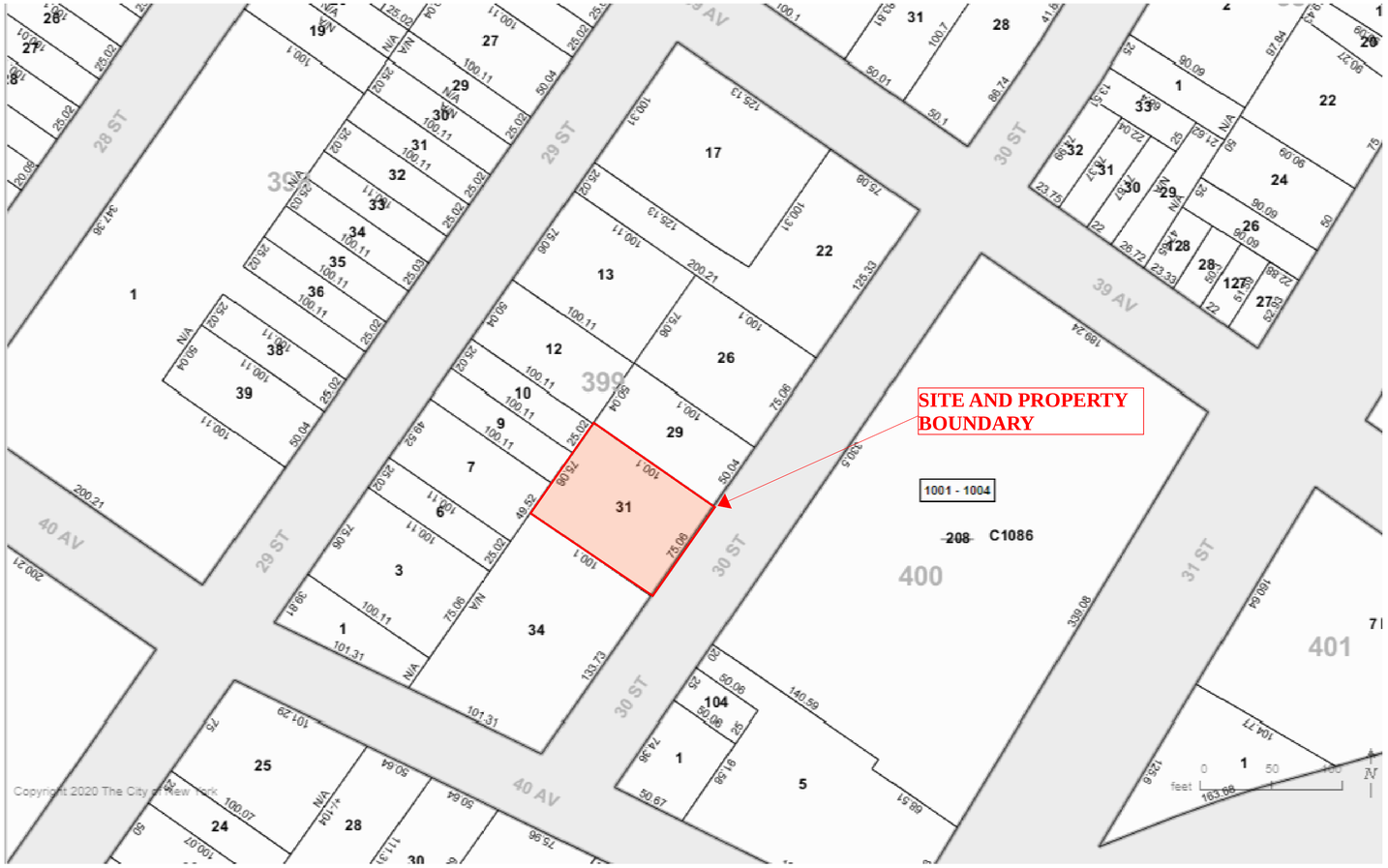
BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN	DATE
AN	11-5-2021
DES	DATE
NK	11-5-2021
CHK	DATE
NK	11-5-2021
SCALE	PROJECT NO.
AS NOTED	BRIDGE CLEANERS

SITE LOCATION
TOPOGRAPHIC MAP

FIGURE
1



Source: BRIDGE CLEANERS TAX MAP - Digital Tax Map - New York City Dept. of Finance (1/31/2020)

LEGEND

Borough Boundary	C50	Condo Flag/Condo Nunber	SUBJECT PROPERTY
Tax Block Boundary	A50	Air Right Flag/Lot Number	SITE AND PROPERTY BOUNDARY
50 Tax Block Number	S50	Subterranean Right Flag/Lot Number	
Tax Lot Boundary	R	REUC Flag	
50 Tax Lot Number		Under Water Tax Lot Boundary	
-50- Condo FKA Tax Lot Number		Other Boundary	
50.5 Tax Lot Dimension		Possession Hook	
+/-5.5 Approximate Tax Lot Dimension	Misc	Miscelaneous Text	
1100 - 1199 Condo Units Range Label		Small Tax Lot Dimension	
Building Footprint		Surface Water	

REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

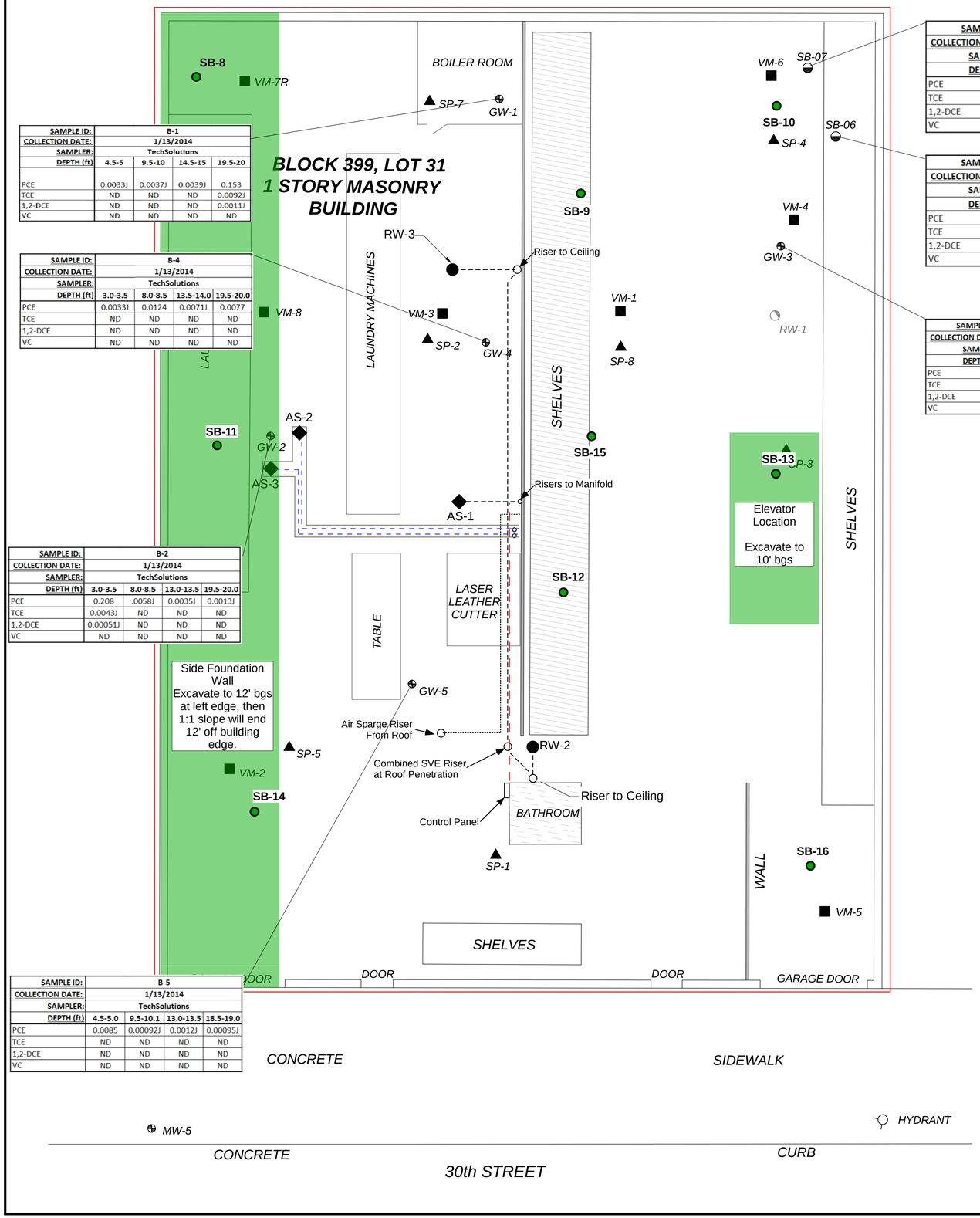
LONG ISLAND CITY NEW YORK

DRN	AN	DATE	11-5-2021
DES	NK	DATE	11-5-2021
CHK	NK	DATE	11-5-2021
SCALE	AS NOTED	PROJECT NO.	BRIDGE CLEANERS

SITE LOCATION
TAX MAP

FIGURE

2



SAMPLE ID:	B-1			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5	9.5-10	14.5-15	19.5-20
PCE	0.0033J	0.0037J	0.0039J	0.153
TCE	ND	ND	ND	0.0092J
1,2-DCE	ND	ND	ND	0.0011J
VC	ND	ND	ND	ND

SAMPLE ID:	B-4			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.5-14.0	19.5-20.0
PCE	0.0033J	0.0124	0.0071J	0.0077
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	B-2			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.0-13.5	19.5-20.0
PCE	0.208	.0058J	0.0035J	0.0013J
TCE	0.0043J	ND	ND	ND
1,2-DCE	0.00051J	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	B-5			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5.0	9.5-10.1	13.0-13.5	18.5-19.0
PCE	0.0085	0.00092J	0.0012J	0.00095J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	SB-07		
COLLECTION DATE:	12/30/2014		
SAMPLER:	Integral		
DEPTH (ft)	0-4	0-4 (dup)	15.0-17.5
PCE	4.8	9.6	1.8
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-06	
COLLECTION DATE:	12/30/2014	
SAMPLER:	Integral	
DEPTH (ft)	11.5-12.0	17.5-18.5
PCE	6.9	0.087
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-3			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	2.5-3	8.0-8.5	13.0-13.5	17.5-18.0
PCE	0.0086	0.0069	0.0022J	0.0023J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

LEGEND

- PVC PIPE
- STEEL PIPE
- AIR SPARGE WELL
- VAPOR EXTRACTION WELL
- GROUNDWATER MONITORING WELL/SOIL BORING
- SOIL BORING
- VACUUM MONITORING POINT
- SOIL VAPOR POINT
- ABANDONED
- TRENCHING AND SUBGRADE PIPING
- ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES
- RISER LOCATION
- CONCRETE COVER
- SOIL SAMPLE LOCATION (SB-08)
- EXCAVATION AREA TO EXTEND DEEPER THAN 5 FT BELOW GRADE SURFACE

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

NOTES:
DCE = Dichloroethene
PCE = Tetrachloroethylene
TCE = Trichloroethylene
VC = Vinyl Chloride
B = Analyte detected in the Trip Blank
J = Estimated value
ND = Non-detect
NS = Not Sampled

ENTIRE SITE TO BE EXCAVATED TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.
2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

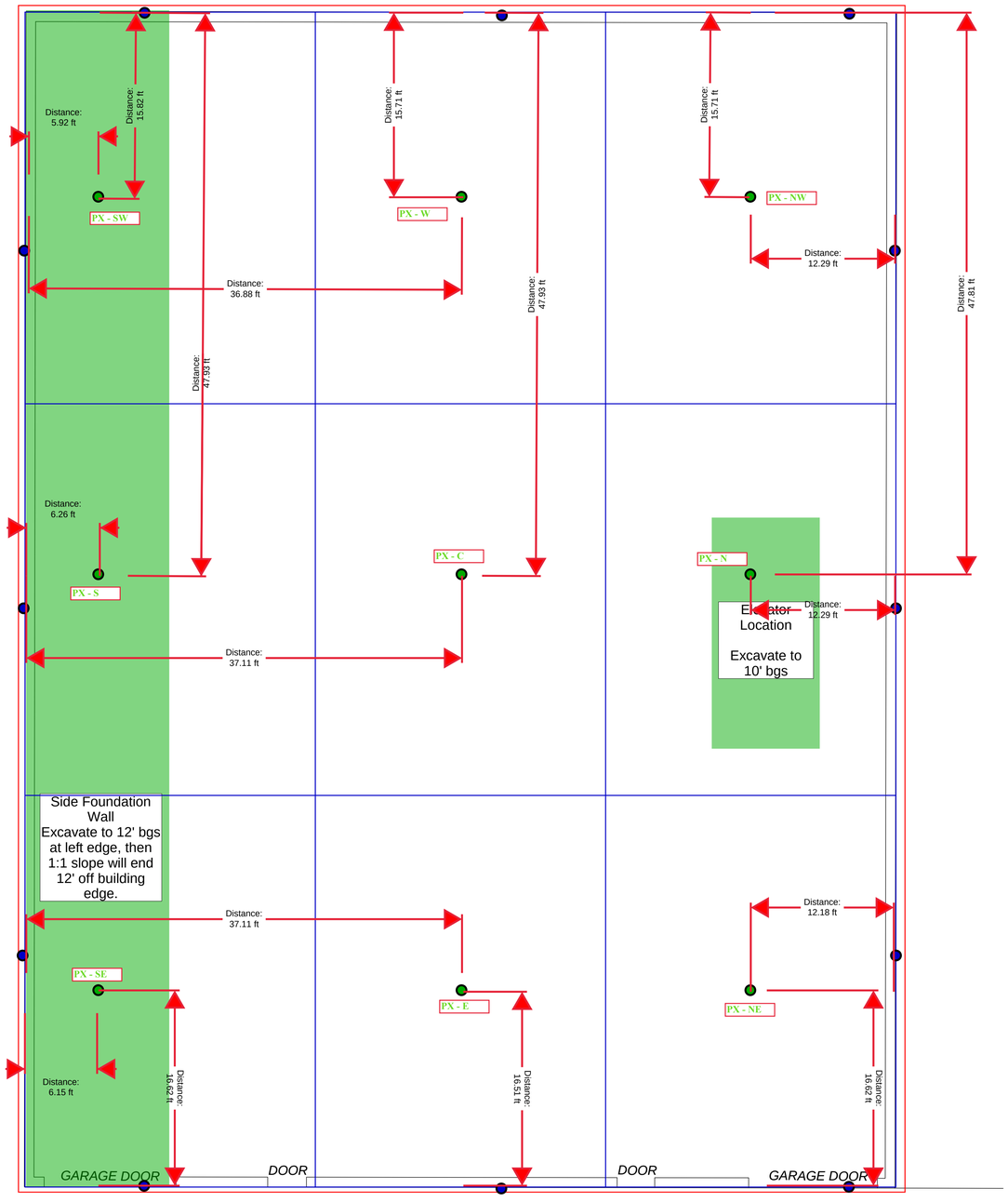
LONG ISLAND CITY NEW YORK

DRN	DATE
AN	4-29-2022
DES	DATE
NK	4-29-2022
CHK	DATE
NK	4-29-2022
SCALE	PROJECT NO.
AS NOTED	BRIDGE CLEANERS

EXCAVATION PLAN, LSI SOIL SAMPLE LOCATIONS AND HISTORIC SOIL DATA

FIGURE

3



LEGEND

- EXTENT OF EXCAVATION / CURRENT BUILDING FOOTPRINT
- CONCRETE COVER
- PROPOSED DOCUMENTATION SAMPLES - SIDE WALL SAMPLES
- PROPOSED DOCUMENTATION SAMPLES - BASE EXCAVATION
- EXCAVATION AREA TO EXTEND DEEPER THAN 5 FT BELOW GRADE SURFACE
- EXCAVATION AREA GRID FOR DOCUMENTATION SAMPLING (1 SAMPLE EVERY 900 SQ. FT.)

NOTES:
1. ENTIRE SITE TO BE EXCAVATED TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

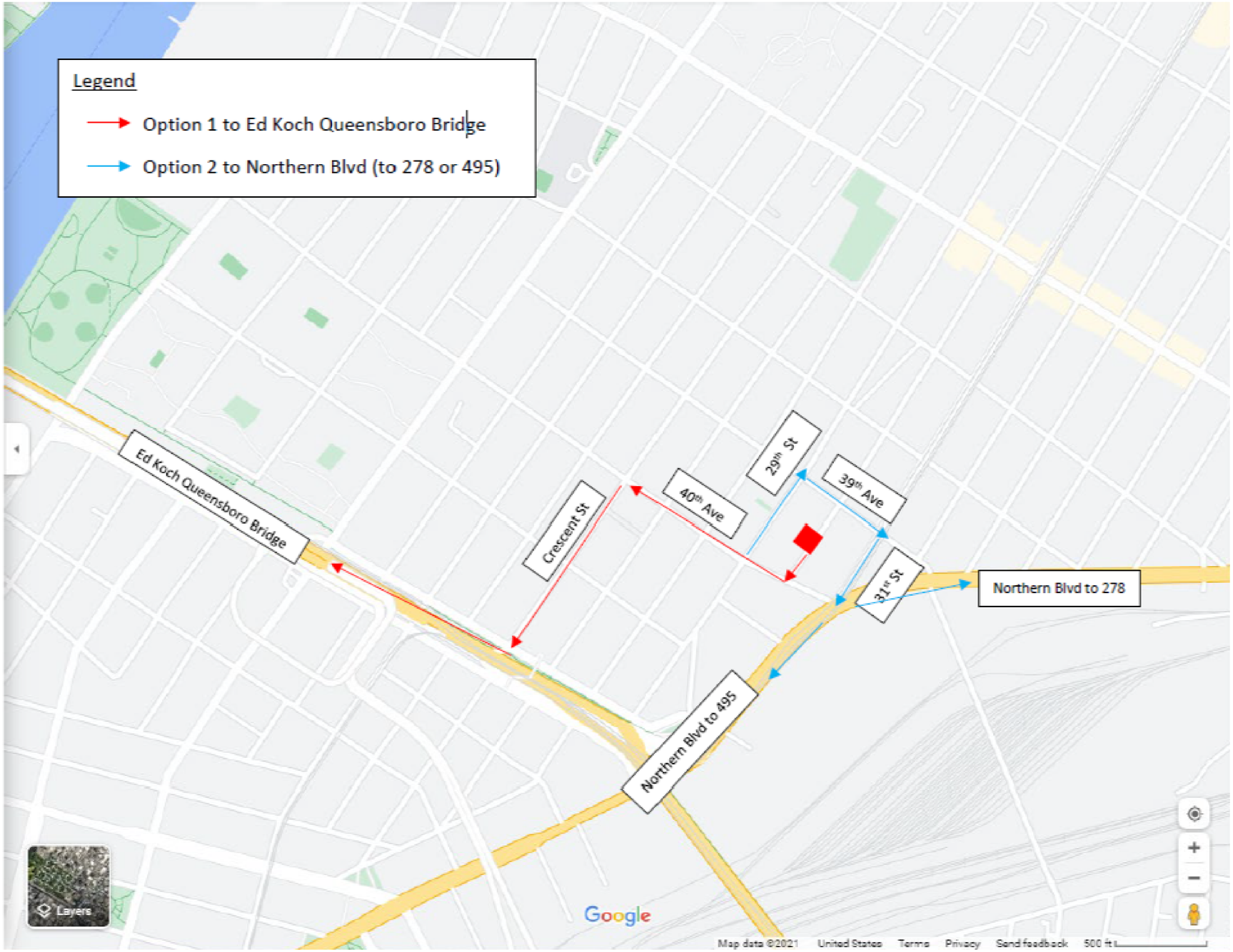
LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 4-29-2022
DES: NK	DATE: 4-29-2022
CHK: NK	DATE: 4-29-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED POST-EXCAVATION DOCUMENTATION SAMPLE LOCATIONS

FIGURE

4



REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

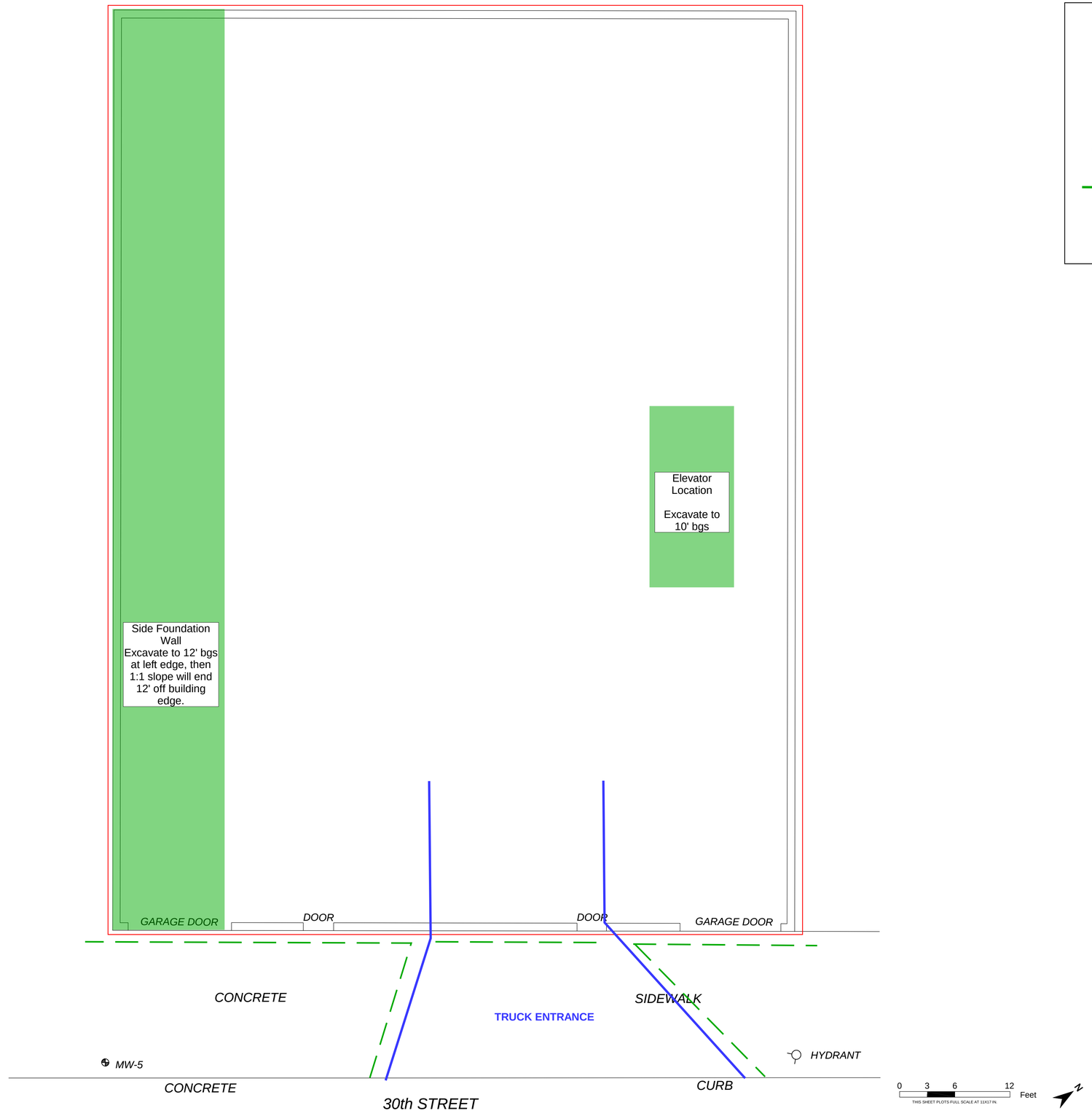
LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 3-23-2022
DES: NK	DATE: 3-23-2022
CHK: NK	DATE: 3-23-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

TRUCK ROUTE

FIGURE

5



LEGEND

- EXTENT OF EXCAVATION / CURRENT BUILDING FOOTPRINT
- CONCRETE COVER
- TRUCK ENTRANCE
- SILT FENCE / HAY BALES (OR EQUIVALENT)
- EXCAVATION AREA TO EXTEND DEEPER THAN 5 FT BELOW GRADE SURFACE

NOTES:
1. ENTIRE SITE TO BE EXCAVATED TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

REV	DATE	DESCRIPTION	APP

eec

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 3-23-2022
DES: NK	DATE: 3-23-2022
CHK: NK	DATE: 3-23-2022
SCALE: AS NOTED	PROJECT NO: BRIDGE CLEANERS

SOIL EROSION AND SEDIMENT CONTROL

FIGURE

6

Appendix A

Environmental Easement Order on Consent, March 4, 2019

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this 4th day of March, 2019, between Owner(s) Zhong Chuang Properties, LLC, having an office at 37-24 30th Street, Long Island City, New York 11101, County of Queens, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 39-26 30th Street in the City of New York, County of Queens and State of New York, known and designated on the tax map of the New York City Department of Finance as tax map parcel number: Block 399 Lot 31, being the same as that property conveyed to Grantor by deed dated March 9, 2012 and recorded in the City Register of the City of New York as CRFN # 2012000122920. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 0.17 +/- acres, and is hereinafter more fully described in the Land Title Survey dated November 27, 2018 prepared by Gerald T. O'Buckley, P.L.S., which will be attached to the Site Management Plan. The Controlled Property description is set forth in and attached hereto as Schedule A; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: CO2-20170509-174, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the New York City Department of Health and Mental Hygiene to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property shall not be used for Residential or Restricted Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department's statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation

Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved by the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by

Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:

Site Number: 241127
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

11. Consistency with the SMP. To the extent there is any conflict or inconsistency between the terms of this Environmental Easement and the SMP, regarding matters specifically addressed by the SMP, the terms of the SMP will control.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Zhong Chuang Properties, LLC:

By: _____

Print Name: Steve Lin

Title: member Date: 01/25/19

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF New York)

On the 25th day of January, in the year 2019, before me, the undersigned, personally appeared Steve Lin, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

SAMMIE HUANG
Notary Public, State of New York
Qualified in New York County
No. 01HU6114472
Commission Expires 8/16/ 2020

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Michael J. Ryan, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the 4th day of March, in the year 2019, before me, the undersigned, personally appeared Michael J. Ryan, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

David J. Chiusano
Notary Public, State of New York
No. 01CH5032146
Qualified in Schenectady County
Commission Expires August 22, 20 22

SCHEDULE "A" PROPERTY DESCRIPTION

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, WITH THE BUILDINGS AND IMPROVEMENTS THEREON ERECTED, SITUATE, LYING AND BEING IN THE BOROUGH AND COUNTY OF QUEENS, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WESTERLY SIDE OF 30TH STREET, DISTANT 133.72 FEET (DEED) (133.73 FEET ON TAX MAP) NORTHERLY FROM THE CORNER FORMED BY THE INTERSECTION OF THE WESTERLY SIDE OF 30TH STREET WITH THE NORTHERLY SIDE OF 40TH AVENUE AS SAID STREET AND AVENUE ARE SHOWN AND LAID OUT ON THE FINAL TOPOGRAPHICAL MAP OF THE CITY OF NEW YORK FOR THE BOROUGH OF QUEENS;

RUNNING THENCE WESTERLY AT RIGHT ANGLES TO THE WESTERLY SIDE OF 30TH STREET, 100.10 FEET;

THENCE NORTHERLY PARALLEL WITH THE WESTERLY SIDE OF 30TH STREET, 75.06 FEET;

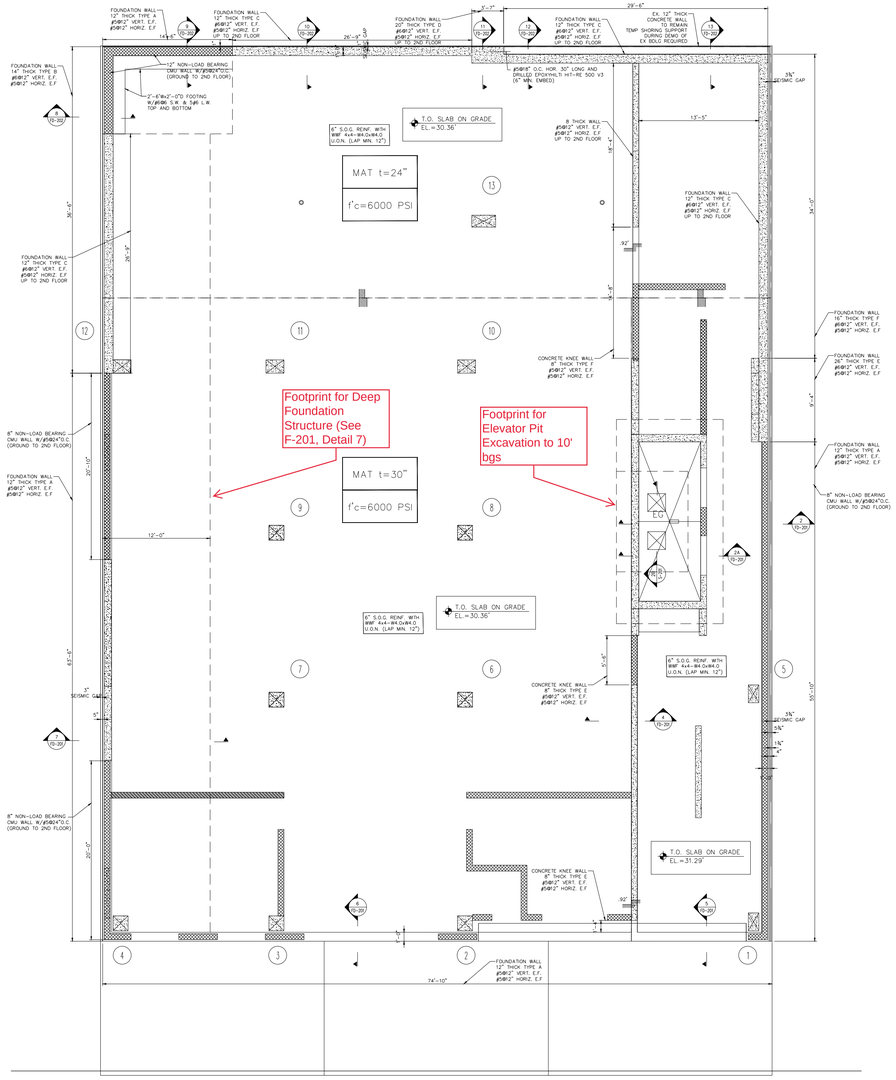
THENCE EASTERLY AGAIN AT RIGHT ANGLES TO THE WESTERLY SIDE OF 30TH STREET, 100.10 FEET TO THE WESTERLY SIDE OF 30TH STREET;

THENCE SOUTHERLY ALONG THE WESTERLY SIDE OF 30TH STREET, 75.06 FEET TO THE POINT OR PLACE OF BEGINNING.

CONTAINING APPROXIMATELY 0.17 ACRES MORE OR LESS.

FOR INFORMATION ONLY: SAID PREMISES BEING KNOWN AS 39-28 30TH STREET, LONG ISLAND CITY, NEW YORK 11101. BLOCK: 399 LOT: 31

Appendix B
Structural Support and Excavation Plans



FOUNDATION FLOOR PLAN

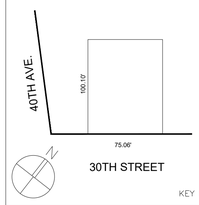
SCALE: 1/8" = 1'-0"

NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION SECTIONS & DETAILS SEE DRAWINGS S-200 SERIES.
3. MAT FOUNDATION SHALL BEAR ON A MINIMUM ALLOWABLE BEARING CAPACITY OF 4 TSF. SEE PROJECT GEO-TECHNICAL ENGINEERING REPORT PER RECOMMENDATION FROM YU ASSOCIATES.DATED JULY, 2020
4. SLABS, WALLS, AND ELEVATOR PITS ARE TO BE WATERPROOFED. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING AND DAMP-PROOFING REQUIREMENTS.
5. CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS FOR EXISTING ADJACENT BUILDING.
6. FOR COLUMN SCHEDULE SEE DRAWING FD-301
7. DETAILER TO CHECK ALL BAR CLEARANCES.
8. CONTRACTOR TO LOCATE AND VERIFY ALL OPENINGS THROUGH THE SLAB AND FOUNDATION WALLS FROM ARCHITECTURAL AND MEP DRAWINGS.
9. HOOK ALL TOP AND BOTTOM MAT FOUNDATION REINFORCEMENT, U.O.N
10. BACKFILL SHOULD NOT BE PLACED AGAINST BELOW GRADE WALLS UNTIL THE WALL CONCRETE HAS REACHED ITS 28-DAY COMPRESSIVE DESIGN STRENGTH AND AFTER EITHER THE FIRST FLOOR SLAB HAS BEEN COMPLETED, OR TEMPORARY LATERAL BRACING HAS BEEN PROVIDED TO PREVENT ROTATION OF THE WALL.
11. SEE DETAIL 11/FD-203 FOR SLEEVE INSIDE MAT, COORDINATE WITH MEP DRAWING FOR LOCATIONS.
12. EAST-WEST REINFORCING TO BE PLACED IN TOP MOST AND BOTTOM MOST LAYERS, U.O.N.
13. TOP OF FOOTING TO BE AT TOP OF SUB-CELLAR ELEVATION @ 43.98' U.O.N. [-X"] INDICATES ELEVATIONS FROM TOP OF CELLAR ELEVATION.
14. ALL TOP REBAR AT MAT & FOOTING TO HAVE 2" CONCRETE COVER FROM TOP SURFACE. CONCRETE TO ADD W/XYPEX ADMIXTURE C-500 FOR WATERPROOFING AND RUST INHIBITOR..

TOP OF SLAB ELEVATIONS U.O.N.:	AS NOTED
MAT FDN. SLAB THICKNESS:	2'-6" u.o.n. 2'-0" u.o.n.
MAT FDN. SLAB CONCRETE STRENGTH:	f'c = 6000 PSI
SLAB BASIC BOTTOM BARS (E.W., U.O.N.) FOR BOTH MAT:	SEE PLAN
SLAB BASIC TOP BARS (E.W., U.O.N.) FOR BOTH MAT:	SEE PLAN

NO.	REVISION	DATE
0	ISSUE TO D.O.B.	02/04/2022



KEY PLAN

MY ARCHITECT PC
37-09 MAIN ST. SUITE 3A
FLUSHING NY 11354
T 718.886.8628
F 718.886.8770

OWNER:
39-26 PROPERTY, LLC
39-26 30TH STREET
QUEENS, NY 11101

MEP ENGINEER:
HRM ENGINEERING SERVICES, PC
102 JERICHO TPKE, SUITE 102
FLORAL PARK, NY 11001

STRUCTURAL ENGINEER:
GRAND MILLENNIUM CONSULTING ENGINEER, PLLC
42 WEST STREET, SUITE 215
BROOKLYN, NY 11222

D.O.B. JOB NUMBER

Q00646536

PROJECT TITLE:
AHU AT
30TH STREET
39-26 30TH STREET.
LIC, NY

PROJECT No: 2002

DRAWING TITLE:
FOUNDATION
FLOOR PLAN

SCALE:

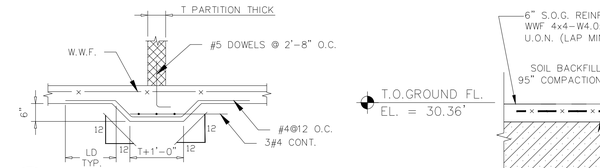
DOB STAMP

PRELIMINARY
Structural and Excavation Plans to be utilized as reference only for associated Work Plans.

SEAL

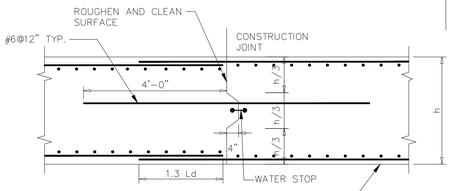
FD-100.00

DATE: FEBRUARY 04, 2022



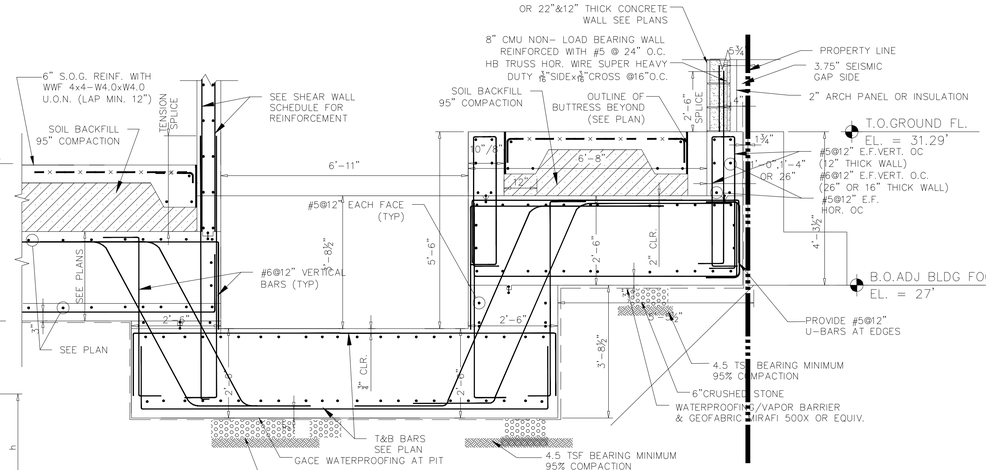
TYPICAL DETAIL AT THICKENED SLAB

N.T.S.



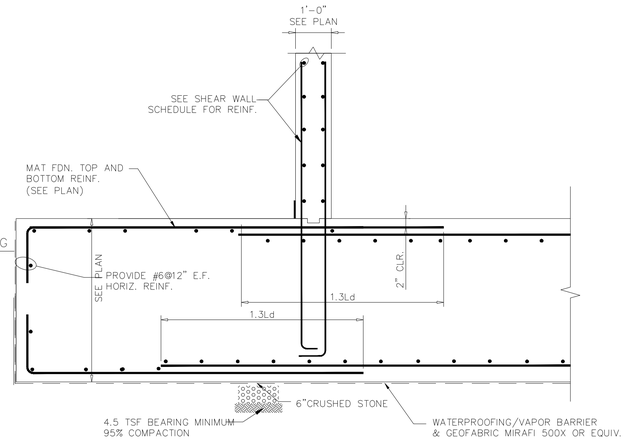
1 CONSTRUCTION JOINT AT MAT

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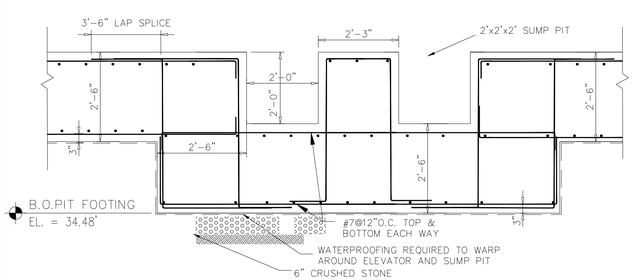


2 ELEVATOR PIT SECTION & DETAILS

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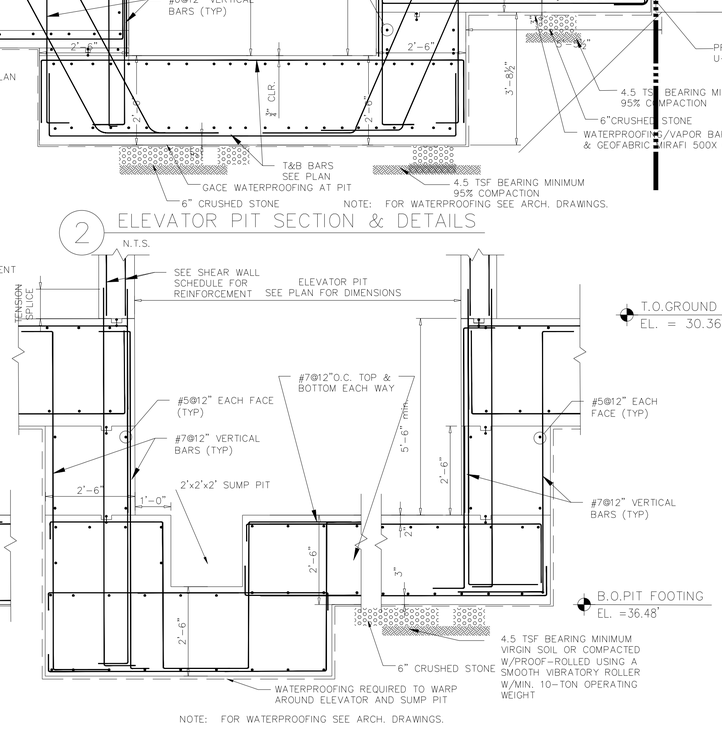


3 TYPICAL FOUNDATION DETAIL



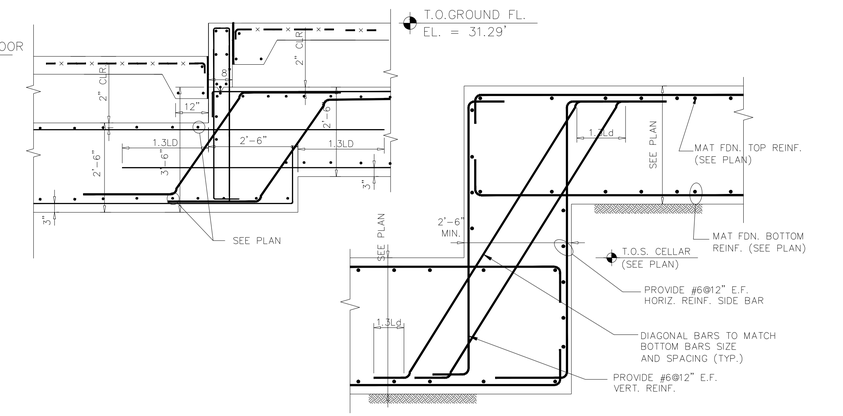
2B SECTION AT ELEVATOR SUMP PIT

N.T.S.

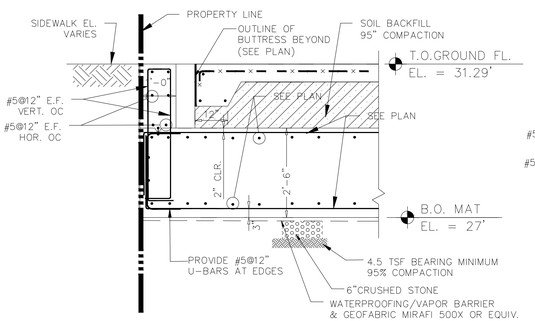


2A ELEVATOR PIT SECTION

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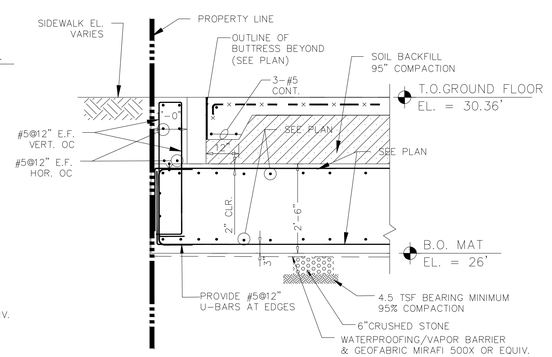


4 TYPICAL MAT/FOOTING DROP DETAIL



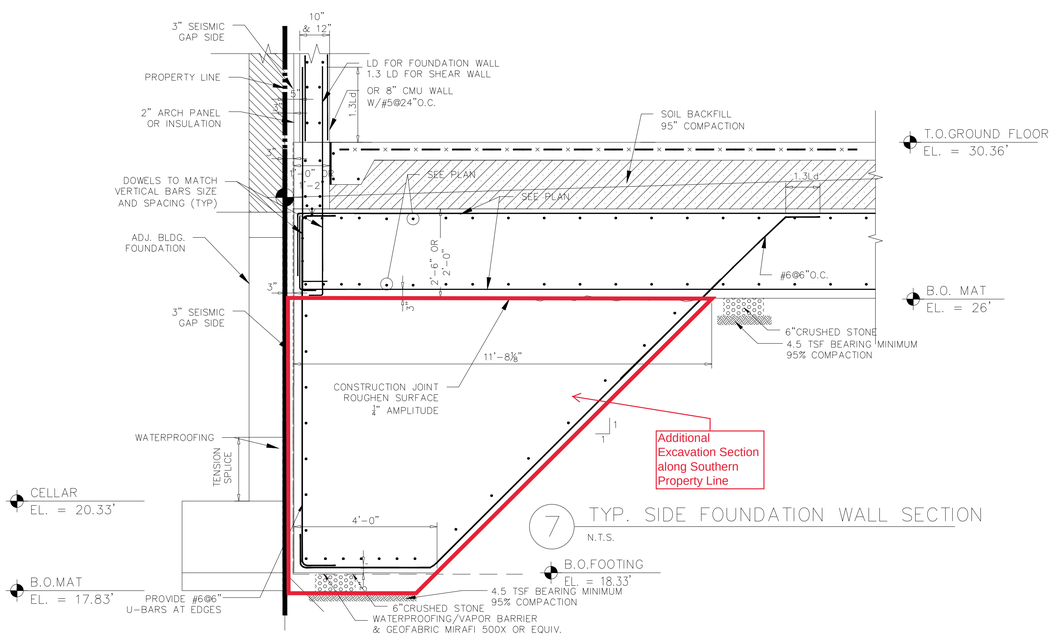
5 TYP. FRONT FOUNDATION WALL SECTION

N.T.S.



6 TYP. FRONT FOUNDATION WALL SECTION

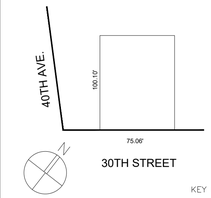
N.T.S.



7 TYP. SIDE FOUNDATION WALL SECTION

N.T.S.

NO.	REVISION	DATE
0	ISSUE TO D.O.B.	02/04/2022



MY ARCHITECT PC
37-09 MAIN ST. SUITE 3A
FLUSHING NY 11354
T 718.886.8628
F 718.886.8770

OWNER:
39-26 PROPERTY, LLC
39-26 30TH STREET
QUEENS, NY 11101
MEP ENGINEER:
HRM ENGINEERING SERVICES, PC
102 JERICHO TPKE, SUITE 102
FLORAL PARK, NY 11001
STRUCTURAL ENGINEER:
GRAND MILLENNIUM CONSULTING ENGINEER, PLLC
42 WEST STREET, SUITE 215
BROOKLYN, NY 11222

D.O.B. JOB NUMBER

Q00646536

PROJECT TITLE:
AHU AT
30TH STREET
39-26 30TH STREET.
LIC, NY

PROJECT No: 2002

DRAWING TITLE:
FOUNDATION
DETAILS & SECTIONS I

SCALE:

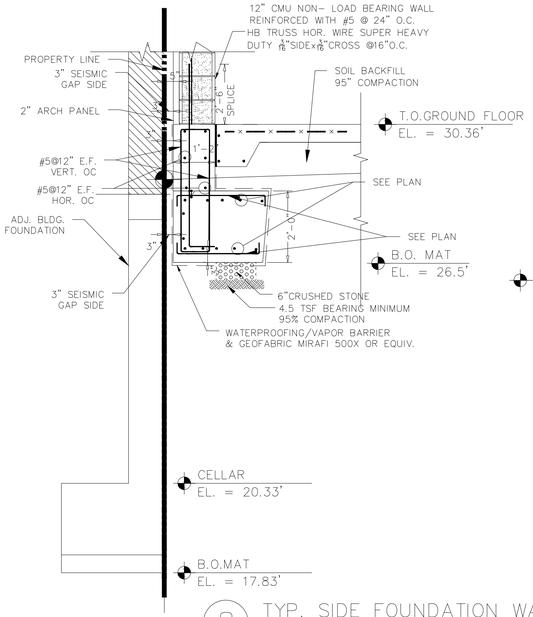
DOB STAMP

PRELIMINARY
Structural and Excavation Plans to be utilized as reference only for associated Work Plans.

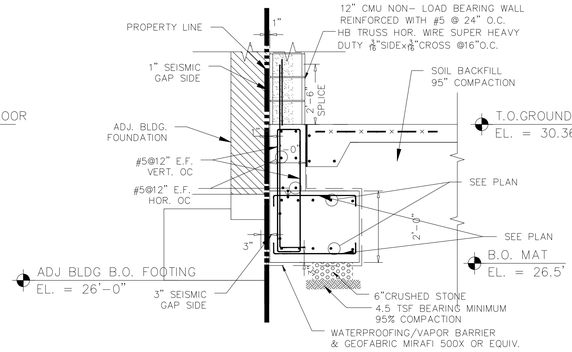
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FD-201.00

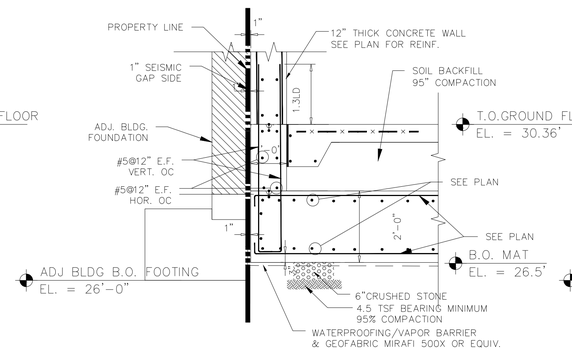
DATE: FEBRUARY 04, 2022



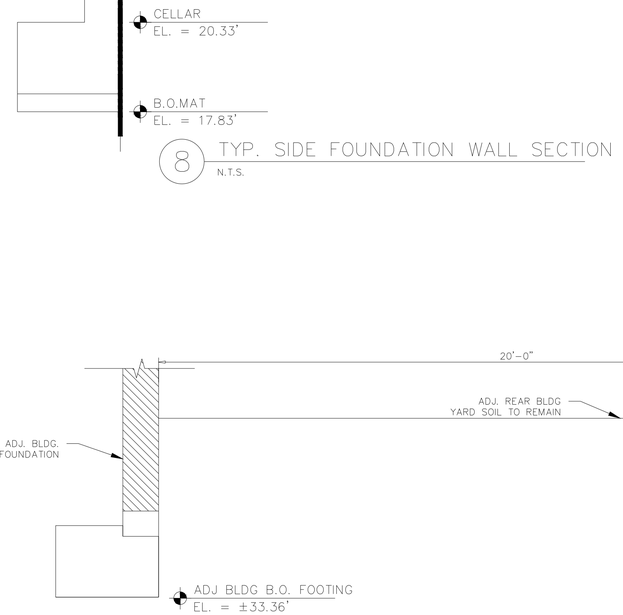
9 TYP. REAR FOUNDATION WALL SECTION
N.T.S.



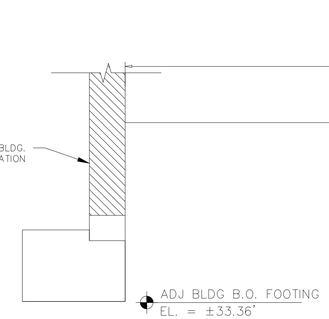
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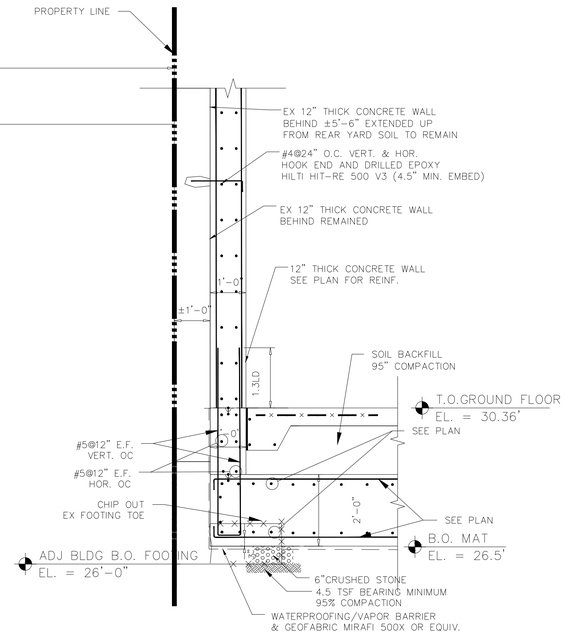


11 TYP. REAR FOUNDATION WALL SECTION
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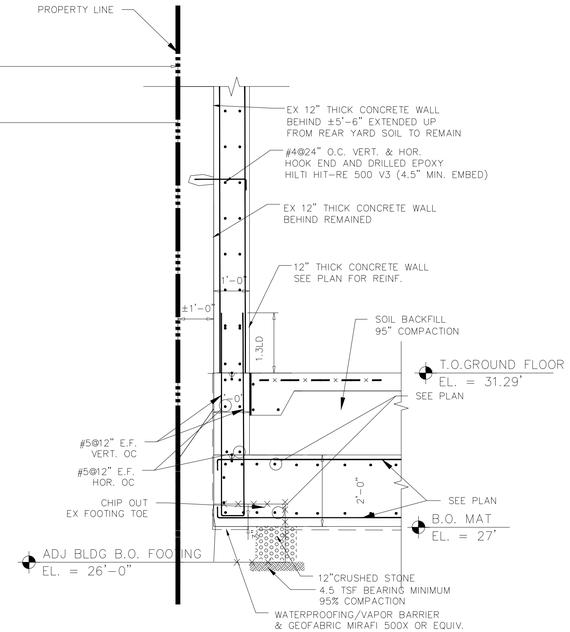


8 TYP. SIDE FOUNDATION WALL SECTION
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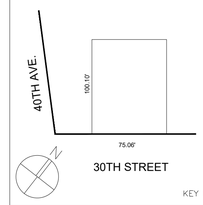


12 TYP. REAR FOUNDATION WALL SECTION
N.T.S.



13 TYP. REAR FOUNDATION WALL SECTION
N.T.S.

NO.	REVISION	DATE
0	ISSUE TO D.O.B.	02/04/2022



KEY PLAN

M Y A R C H I T E C T P C
3 7 - 0 9 M A I N S T . S U I T E 3 A
F L U S H I N G N Y 1 1 3 5 4
T 7 1 8 . 8 8 6 . 8 6 2 8
F 7 1 8 . 8 8 6 . 8 7 7 0

OWNER:
39-26 PROPERTY, LLC
39-26 30TH STREET
QUEENS, NY 11101
MEP ENGINEER:
HRM ENGINEERING SERVICES, PC
102 JERICHO TPKE, SUITE 102
FLORAL PARK, NY 11001
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GRAND MILLENNIUM CONSULTING ENGINEER, PLLC
42 WEST STREET, SUITE 215
BROOKLYN, NY 11222

D.O.B. JOB NUMBER

Q00646536

PROJECT TITLE:
AHU AT
30TH STREET
39-26 30TH STREET.
LIC, NY

PROJECT No: 2002

DRAWING TITLE:
FOUNDATION
DETAILS & SECTIONS II

SCALE:

DOB STAMP

PRELIMINARY
Structural and Excavation Plans to be utilized as reference only for associated Work Plans.

SEAL

FD-202.00

DATE: FEBRUARY 04, 2022

PAGE: 18 OF 60

Appendix C
Community Air Monitoring Program (CAMP)

BRIDGE CLEANERS

QUEENS COUNTY

LONG ISLAND CITY, NEW YORK

Community Air Monitoring Program

NYSDEC Site No. 241127

Prepared for:

Zhong Chuang Properties, LLC

39-26 30th Street

Long Island City, New York

Prepared by:

Environmental Engineering Compliance Control, D.P.C.

1 Emery Ave, Unit 2

Randolph, NJ 07869

May 2022

Introduction

This Community Air Monitoring Plan (CAMP) has been prepared to describe air monitoring activities to be implemented during the Redevelopment Excavation proposed for 39-26 30th St, Long Island City, New York (the Site). This CAMP has been prepared in accordance with the New York State Department of Health (NYSDOH) Generic CAMP (Appendix 1A) of the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER) guidance memorandum DER-10/Technical Guidance for Site Investigation and Remediation.

The CAMP is a companion document to the Redevelopment Excavation Work Plan (REWP). Further, the CAMP is a stand-alone companion document to the Site-specific health and safety plan (HASP). The Site-specific HASP provides details related to health and safety for on-site activities for on-site personnel and associated subcontractors, and the CAMP details air monitoring activities to protect the surrounding community.

Purpose

This CAMP will be implemented during any ground intrusive activities and disturbances to the cover system. The purpose of this CAMP is to provide a measure of protection for the off-site receptors and from potential airborne contaminant releases as a result of investigative and remedial work activities.

Volatile Organic Compound Air Monitoring

Periodic volatile organic compound (VOC) air monitoring will be conducted during sampling activities presented within the Interim Site Management Plan (SMP) dated December 2021. VOC air monitoring will be conducted using a RAE Systems MiniRAE 2000/3000 VOC instrument (or a similar photoionization detector device) to provide real-time recordable air monitoring data. In the event the cover is disturbed (excavation), VOC monitoring will be required.

Indoor concentrations will be measured before and after field activities commence to establish background conditions and monitor changes in VOC concentrations through the day.

VOC monitoring response and action levels are:

- If the ambient air concentration of total organic vapors of the indoor work area 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 may resume with continued monitoring.
- If the organic vapor level remains sustained above 5 ppm at the indoor work area, activities must cease and work will be re-evaluated.

Any ground intrusive work requires monitoring as outlined in the NYSDOH Generic CAMP (Page 1, Section 'Community Air Monitoring Plan').

Particulate Air Monitoring

As specified in the NYSDOH Generic CAMP, continuous monitoring is required during ground-intrusive activities. The REWP details concrete coring, advancing soil borings for characterization and documentation sampling, demolition and removal of the cover system (slab), and excavations. Therefore, continuous particulate air monitoring will be completed during on-site activities. All ground intrusive work requires monitoring as outlined in the NYSDOH Generic CAMP (Page 1, Section 'Community Air Monitoring Plan').

Documentation and Calibration

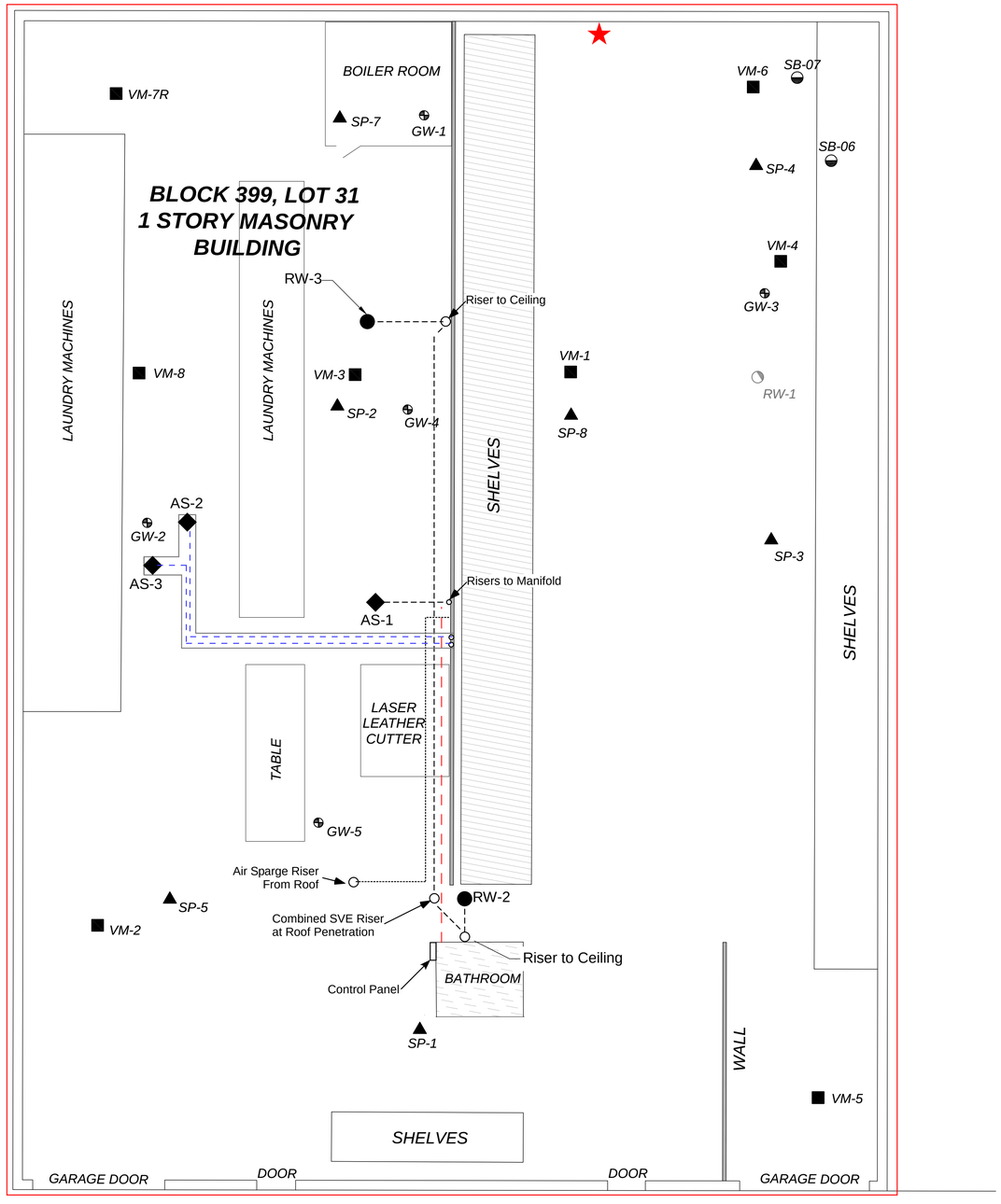
The VOC air monitoring device shall be calibrated prior to daily field activities according to manufacturer's instructions and standard industrial hygiene practices. In addition, monitoring instruments will be checked for "drift" upon completion of daily field activities. Calibration measurements will be recorded on a field data record. Field measurements will be recorded and available for State (NYSDEC and NYSDOH) personnel to review. Upon completion of field activities, available monitored data recorded will be evaluated and summarized in reports as outlined below.

CAMP reports will be prepared and submitted to the NYSDEC and NYSDOH for review on a quarterly basis for routine inspection activities. CAMP reports will be submitted daily during field work during the ground-intrusive activities.

If an exceedance occurs during work activities, the data will be provided to the NYSDEC and NYDOH via email as soon as possible on the same day. The email is to include a description of the exceedance, the cause of the exceedance, and corrective actions taken, if any. If the exceedance occurs after regular business hours, the NYSDEC and NYSDOH are to be notified as soon as possible the next business day.

Enclosures:

Figure 1: Proposed CAMP Locations
Appendix 1A: NYSDOH Generic CAMP



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - UPWIND

CAMP MONITORING - DOWNWIND

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN AN	DATE 3-23-2022
DES NK	DATE 3-23-2022
CHK NK	DATE 3-23-2022
SCALE AS NOTED	PROJECT NO. BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

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 D
Health and Safety Plan (HASP)

This Level 2 HASP is intended to provide health and safety guidelines for project field work meeting the following criteria:

- **"Buddy System" in use (or communication plan implemented for "lone worker"**
- **Some likelihood of chemical and/or physical hazard exposure**
- **No supplied-air respirator use**

The Project Manager should review this Health and Safety Plan with all project personnel. A copy of the HASP must be kept in the field with the project team as well as maintained in project files.

<table>
<tr><td rowspan="6">Administrative Information

This document is valid for a maximum time period of one year after initial completion and must be re-evaluated by the project team at that time.

A minimum of two persons with appropriate training must be onsite or an appropriate communication plan must be implemented. A mix of employee and other personnel can satisfy this requirement.</td><td colspan="2">Site Name and Location
Bridge Cleaners; 39-26 30th Street, Long Island City, New York</td></tr>
<tr><td colspan="2">Client Contact and Phone
Steven Li – (203)-908-5112</td></tr>
<tr><td colspan="2">Project Name
Bridge Cleaners</td></tr>
<tr><td>Health & Safety Plan Date
May 2, 2022</td><td>Revision Number and Date
N/A</td></tr>
<tr><td>Field Work Start Date
Spring 2022</td><td>Anticipated Field Work End Date
TBD</td></tr>
<tr><td>Project Manager (responsible for implementing the site health and safety program on this project)
Nick Krasnecky, PE</td><td>Site Safety Officer (SSO) (responsible for overall site health and safety performance on this project).

TBD</td></tr>
</table>

Project Background and Scope of Work

Include numbered list of tasks to be completed by personnel during this project, and a separate list of tasks to be completed by any subcontractors at the site.

JSAs are to be prepared for each task listed. Subcontractors are responsible for preparing JSAs for their activities.

Scope of Work:

- Soil sampling via concrete coring and Geoprobe sampling.
- Excavation oversight of concrete slab breakup and demolition and offsite disposal.

Subcontractor Scope of Work:
Subcontractor for excavation and concrete slab breakup and disposal to be determined. Note, the subcontractor will operate under their own HASP and this HASP is for ECC site workers.

Site/Project General Information

An asterisk (*) indicates that additional checklists or permits are required and must be completed and attached to this document.

A double asterisk (**) indicates that a Risk Review performed by a member of the Corporate Safety Committee must take place prior to beginning fieldwork on the project.

Site Type (check all applicable boxes)

☒ Active Facility	☐ Remote Facility	☐ Inactive Facility	☐ Residential
☐ Mine	☐ Railroad	☒ Industrial	☐ Secured
☐ Uncontrolled	☐ Agricultural	☐ Commercial	☐ Other (specify)

Main Site Hazards (check all applicable boxes)

☒ Slip/Trip/Fall	☒ Cold Stress	☒ Heat Stress	☒ Extreme Weather
☒ Biological	☒ Organic/Inorganic Chemicals	☒ High Noise	☒ Construction Traffic
☒ Vehicular Traffic	☒ Respirable Particles	☒ Excavations	☒ Buried/Overhead Utilities
☐ Non-Ionizing Radiation	☒ Security	☐ ASTs/USTs	☐ Manlift/Cherry Picker Use
☐ Work Over 6' High	☒ Hand/Portable Power Tools	☐ Oxygen Deficiency	☐ Construction
☐ Blasting Agents	☐ Confined Spaces	☐ Welding or Hot Work	☐ Chemical Mixing**
☐ Lockout/Tagout	☐ Forklift Use	☐ Sharps	
☐ Scaffold Use	☐ Portable Ladders	☐ Other (*specify*)	

Chemical Products to Use or Store Onsite

For each chemical product identified, an SDS must be attached to this HASP

☒ Alconox or Liquinox	☐ Calibration gas (Methane)	☐ Isopropyl Alcohol
☒ Hydrochloric acid (HCl)*	☒ Calibration gas (Isobutylene)	☐ Household bleach (NaOCl)*
☐ Nitric acid (HNO_3)*	☐ Calibration gas (Pentane)	☐ Sulfuric acid (H_2SO_4)*
☐ Sodium hydroxide (NaOH)*	☐ Calibration gas (4-gas mixture)	☐ Hexane
☐ Gasoline	☐ Methanol	☐ Other (specify)

***NOTE: Eyewash solution shall be readily available on ALL projects where corrosive materials are used or stored, including sample preservatives.**

Safe Work Practices

Place a checkmark by applicable SWPs and attach to this document

For hazards not covered by SWPs listed in this section, ensure the hazard is addressed in the JSA for that task. Otherwise, the JSA may reference the SWP for that hazard.

SWPs Applicable To This Project (check all applicable boxes)

☒ Hazard Communication	☒ Medical Services and First Aid	☒ Airborne Contaminants (Concrete and soil Dust)	☒ Heat Stress
☒ Cold Stress	☐ Natural Hazards	☒ Personal Protective Equipment	☒ Respiratory Protection
☐ Confined Space Entry	☐ Drum Handling	☒ Excavation Oversight	☐ Fall Protection and Prevention
☐ Forklift and Truck Operations	☒ Hand/Power Tool Use	☒ Heavy and Material Handling Equipment	☐ Ladder Safety
☐ Wet Utilities – Maintenance, Inspection, Repair	☐ **Other Task (specify)**	☐ **Other Task (specify)**	☐ **Other Task (specify)**
☐ **Other Task (specify)**	☐ **Other Task (specify)**	☐ **Other Task (specify)**	☐ **Other Task (specify)**

Levels of Protection Required for each Task

Signature of the SSO on page 1 of this document signifies certification of PPE Hazard Assessment

Task Description	Level			
	A	B	C	D
Soil sampling via concrete coring and Geoprobe	☐	☐	☐	☒
Excavation oversight	☐	☐	☐	☒
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

Personal Protective Equipment	Equipment	Req	Rec	NA	Equipment	Req	Rec	NA
Req=Required Rec=Recommended An asterisk (*) indicates that employees must be a participant in the respiratory program, including, annual training and fit testing.	Steel Toe Boots	☒	☐	☐	Tyvek Suit	☐	☐	☒
	Safety Glasses/ Shields	☒	☐	☐	Outer Disposable Boots	☐	☐	☒
	Hi Vis Vest (Specify Class 2/3)	☒	☐	☐	Indirect Vented Goggles	☐	☐	☒
	Hi Vis Shirt	☐	☒	☐	Poly-Coated Tyvek	☐	☐	☒
	Hard Hat	☒	☐	☐	Dust Mask* when visible dust is present.	☒	☐	☐
	Fire Resistant Clothing (FRC)	☐	☐	☒	Full-Face Respirator*	☐	☐	☒
	Hearing Protection	☒	☐	☐	Half-Face Respirator*	☐	☐	☒
	Work Gloves – Type: Leather	☐	☒	☐	Inner Chemical Gloves	☐	☐	☒
	Outer Chemical Gloves	☒	☐	☐	Other (specify)	☐	☐	☐
Training and Medical Surveillance	**Training**	**Req**	**Rec**	**NA**	**Medical Surveillance**	**Req**	**Rec**	**NA**
Req=Required Rec=Recommended	40 Hour HAZWOPER	☒	☐	☐	Medical Clearance (fit for duty)	☒	☐	☐
	Current 8 Hour HAZWOPER	☒	☐	☐	Respirator Clearance	☐	☐	☒
	8 Hour HAZWOPER Supervisor	☐	☐	☒	Blood Lead and ZPP	☐	☐	☒
	24Hour HAZWOPER	☐	☐	☒	Other (specify)	☐	☐	☐
	Current CPR, First Aid, and BBP	☐	☒	☐	Other (specify)	☐	☐	☐
	10 Hour Construction	☐	☐	☒	Other (specify)	☐	☐	☐
	Other (specify)	☐	☐	☐	Other (specify)	☐	☐	☐
	Other (specify)	☐	☐	☐	Other (specify)	☐	☐	☐
	Other (specify)	☐	☐	☐	Other (specify)	☐	☐	☐
Safety Supplies	**Supplies**	**Req**	**Rec**	**NA**	**Supplies**	**Req**	**Rec**	**NA**
Req=Required Rec=Recommended	First Aid Kit	☒	☐	☐	Fire Extinguisher	☐	☒	☐
	Eyewash Solution	☒	☐	☐	Water/Sports Drink	☐	☒	☐
	Air Horn	☐	☐	☒	Oral Thermometer (heat monitoring)	☐	☐	☒
	Noise Meter (Dosimeter)	☐	☐	☒	Decontamination Supplies	☒	☐	☐

Work Zones **If exclusion zones are necessary because of chemical OR equipment hazards, describe the plan**	Exclusion Zone: 10-foot radius around equipment
	Contamination Reduction Zone: Area between the 10 and 15-foot radius around equipment
	Support Zone: Area between the 15 and 25-foot radius around equipment

Site Access/Control **How do we limit unauthorized entry to the site itself?**	Access Control Procedures: Close doors to the building, set up cones on sidewalk in front of the building as necessary to limit use of specific doors and/or garage doors.
DECON Procedures	Decontamination Procedures: Use Alconox solution to wash contaminated equipment

Communication Plan **In the event work must be completed alone by an employee or work is performed in a rural area with limited communication, this Communication Plan must be completed.**	The purpose of the communication plan is to provide a "What to Do" if the project manager/supervisor cannot contact field personnel. The field team and PM must coordinate a call in time daily. The check-in intervals will depend on the project setting and hazards. More importantly, if the field team does not check in, what is the requirement or actions of the PM.			
	Daily Check in Time	Responsible Person	Daily Check In Time	Responsible person
	12:00	Field Staff	Before leaving site	Field Staff
	Plan of Action (in the event of no communication): Site Safety Officer will call field staff on site.			

Chemicals of Concern

In the section to the right, check any chemicals present onsite in any media (air, soil water).

In the table below, list chemicals suspected or confirmed to be onsite, and provide requested information.

☐ Friable Asbestos	☐ Vinyl chloride	☐ Toluene
☐ RCRA Metals	☐ Inorganic Arsenic	☐ Ethylbenzene
☐ Lead	☐ Cadmium	☐ Xylene
☐ Benzene	☐ Formaldehyde	☐ Polyaromatic hydrocarbons (PAHs)
☒ Trichloroethylene (TCE)	☐ Fuel Oils	☐ Polychlorinated biphenyl (PCBs)
☒ Tetrachloroethylene (PCE)	☐ Methylene chloride	☐ Chromium (VI)
☐ Acetone	☐ Other	☐ Other
☐ Lithium	☐ Other	☐ Other
☐ Other	☐ Other	☐ Other
	☐ **No exposure to these**	

Materials Present or Suspected at Site	Highest Reported Concentration (specify units and sample medium)	Exposure Limit (specify ppm or mg/m³)	IDLH Level (specify ppm or mg/m³)	Primary Hazards of the Material (explosive, flammable, corrosive, toxic, volatile, radioactive, biohazard, oxidizer, or other)	Symptoms and Effects of Acute Exposure	Ionization Potential (eV)
Trichloroethylene (TCE)	GW: 1.4 ug/L	PEL = 100 ppm REL = 25 ppm TLV = 10 ppm Skin Hazard ☒	1000 ppm	Toxic, Volatile, Flammable	irritation eyes, skin; headache, visual disturbance, lassitude (weakness, exhaustion), dizziness, tremor, drowsiness, nausea, vomiting; dermatitis; cardiac arrhythmias, paresthesia; liver injury; [potential occupational carcinogen]	9.45
Tetrachloroethylene (PCE)	GW: 35 ug/L	PEL = 100 ppm REL = TLV = 25 ppm Skin Hazard ☒	150 ppm	Toxic, Volatile	irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	9.32
Tetrachloroethylene (PCE)	Soil 9.6 mg/Kg	PEL = 100 ppm REL = TLV = 25 ppm Skin Hazard ☒	150 ppm	Toxic, Volatile	irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]	9.32
		PEL = REL = TLV = Skin Hazard ☐				

PEL = OSHA Permissible Exposure Limit
REL = NIOSH Recommended Exposure Limit
TLV = ACGIH Threshold Limit Value
IDLH = Immediately Dangerous to Life or Health

Monitoring Equipment: All monitoring equipment on site must be calibrated before and after each use and results recorded.				
Instrument (Check all required)	**Task**	**Instrument Reading**	**Action Guideline**	**Comments**
☐ Combustible gas indicator model:	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	0 to 10% LEL 10 to 25% LEL >25% LEL	Monitor; evacuate if confined space Potential explosion hazard Explosion hazard; interrupt task; evacuate site	
☐ Oxygen meter model:	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	>23.5% Oxygen 23.5 to 19.5% Oxygen <19.5% Oxygen	Potential fire hazard; evacuate site Oxygen level normal Oxygen deficiency; interrupt task; evacuate site	
☐ Radiation survey meter model:	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	Normal background Two to three times background >Three times background	Proceed Notify SSO Radiological hazard; interrupt task; evacuate site	Annual exposure not to exceed 1,250 mrem per quarter Background reading must be taken in an area known to be free of radiation sources
☒ Photoionization detector model: ☐ 11.7 eV ☒ 10.6 eV ☐ 10.2 eV ☐ 9.8 eV ☐ _____ eV	☒ 1 ☒ 2 ☒ 3 ☐ 4 ☐ 5	Any response above background to 5 ppm above background 5 ppm above background 10 ppm above background	Level D is acceptable Level C (not anticipated) Discontinue work	Action levels must be determined based on the COCs and concentrations identified in the media sampled. If no COC conentrations are known, then use 5 ppm sustained within the breathing zone as your action level until the contaminants are identified.
☐ Flame ionization detector model:	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	Any response above background to ppm above background ppm above background above background	Level C is acceptable Level B is recommended Level B Level A	Action levels must be determined based on the COCs and concentrations identified in the media sampled. If no COC conentrations are known, then use 5 ppm sustained within the breathing zone as your action level until the contaminants are identified.
☐ Detector tube models:	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	Specify:	Specify:	The action level for upgrading the level of protection is one-half of the contaminant's PEL. If the PEL is reached, evacuate the site and notify a safety specialist.
☒ Other (specify): Dust (concrete and soil)	☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	Specify: Any response greater than 100 ug/m^3 above background indoor air levels	Specify: Implement dust suppression techniques	If, after implementation of dust suppression techniques, indoor PM-10 particulate levels are greater than 150 µg/m3 above the background level, work must be stopped and a reevaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the indoor PM-10 particulate concentration to within 150 µg/m3 of the background level and in preventing visible dust migration.

Emergency Response Planning	
In the pre-work briefing and Daily Tailgate Safety meetings, all onsite employees will be trained in the provisions of emergency response planning, site communication systems, and site evacuation routes. **Signal a site emergency or medical emergency with three blasts of a loud horn (car horn, fog horn, or similar device).** **To complete this section, attach a hospital route map to the HASP.**	**All work-related incidents must be reported. For all medical emergencies, call 911 or the local emergency number. For non-emergency incidents, you must:** • Give appropriate first aid care to the injured or ill individual and secure the scene. • Immediately call **Axiom Medical at (877) 502-9466** (available 24 hours/7 days per week) if the injured person is an employee. • Notify the Project Manager and/or SSO after calling Axiom. • Enter the safety incident into the Incident Report and submit to the CHSO at within 24 hours. **In the event of an emergency that necessitates evacuation of the work task area or the site as a whole, the following procedures shall occur:** • The site supervisor or Project Manager will contact all nearby personnel using the onsite communications system to advise of the emergency. • Personnel will proceed along site roads to a safe distance upwind from the hazard source to a pre-determined assembly area. • Call 911 • Personnel will remain in that area until the site supervisor or Project Manager or other authorized individual provides further instruction. **In the event of a severe spill or leak, site personnel will follow the procedures listed below:** • **STOP WORK** • Evacuate the affected area and relocate personnel to an upwind, pre-determined assembly area. • Inform the site supervisor or Project Manager, an office, and a site representative immediately. • Locate the source of the spill or leak, and stop the source if it is safe to do so until appropriately trained personnel are onsite to do so. Begin containment and recovery of spilled or leaked materials. • Notify appropriate local, state, and federal agencies after obtaining client consent to do so. **In the event of severe weather, site personnel will follow the procedures listed below:** • Site work shall not be conducted during severe weather, including high winds and lightning. • In the event of severe weather, stop work, lower any equipment (drill rigs), and evacuate the affected area. • Monitor internet or other sources for sever weather alerts before resuming work. • In the event of lightning, outdoor work must be halted for a minimum of **30 minutes** from the last lightening observation.

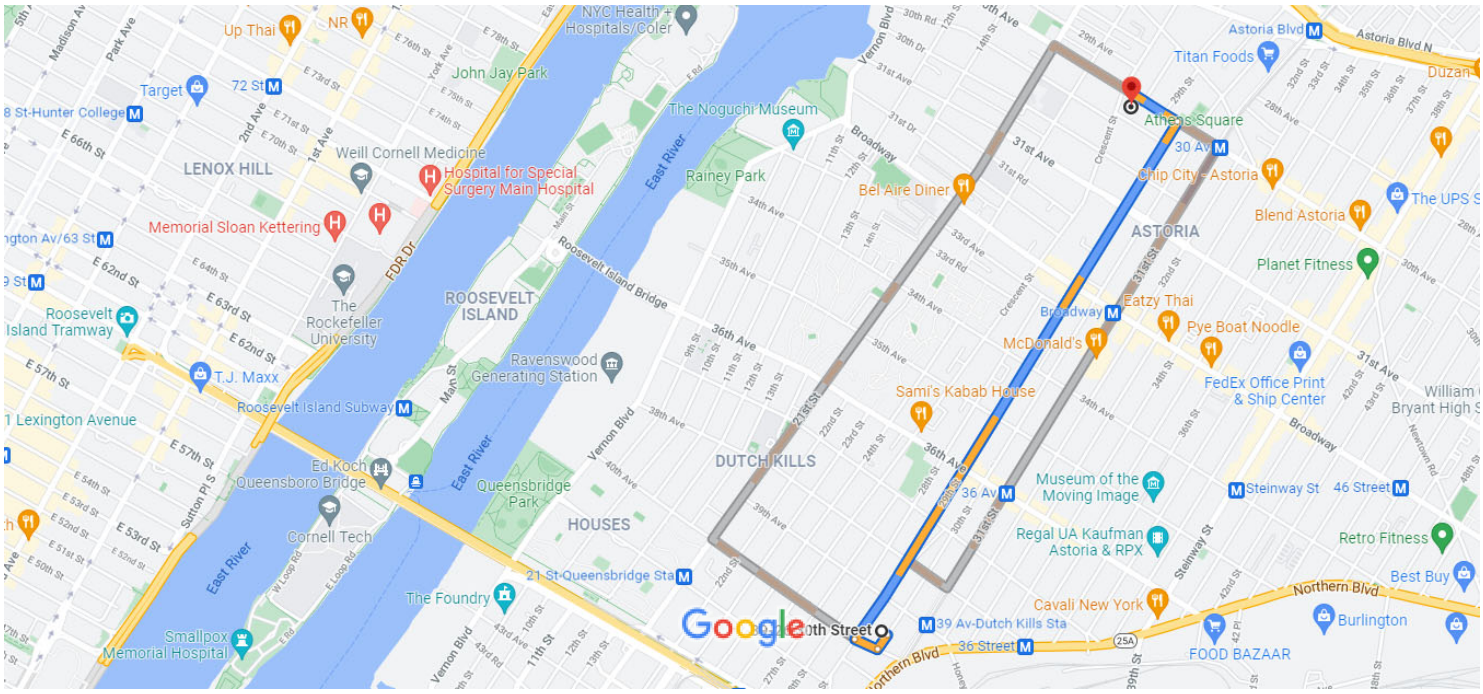
Emergency Contacts	Name	Location	Phone	Cell Phone
Hospital (attach map)	Mt Sinai Queens	25-10 30th Ave, Queens, NY	718-932-1000	
Police	NYCPD	4707 Pearson Pl, LIC, NY	718-361-1021	
Fire	FDNY Ladder 116	37-20 29th St, LIC, NY	911	
Project Manager	Nick Krasnecky	1 Emery Ave., Unit 2, Randolph, NJ	201-552-0224	
Field Manager (if not PM)				
Site Safety Officer (if not PM)	TBD			
Division H&S Contact				
Corporate H&S Contact	TBD			
Incident Intervention	Axiom	NA	877-502-9466	
Subcontractor Safety Contact	TBD	TBD	TBD	

Acknowledgement	***I have read, understood, and agree with the information set forth in this Health & Safety Plan, and will follow guidance in the plan and in the Corporate Health and Safety Manual. I understand the training and medical monitoring requirements for conducting activities covered by this HASP and have met these requirements.*** ***This plan has been prepared solely for the purpose of protecting the health and safety of employees. Subcontractors, visitors, and others at the site are required to follow provisions in this document at a minimum, but must refer to their organization's health and safety program for their protection.***		
Printed Name	Signature	Organization	Date

Approval Signatures

Signatures in this section indicate the signing employee will comply with and enforce this HASP, as well as procedures and guidelines established in the Corporate H&S Manual. Signatures in this section also indicate that any subcontractors performing work under contract agree to comply with this HASP.

Google Maps 39-26 30th Street, Queens, NY to Mount Sinai Queens Drive 1.4 miles, 9 min



Map data ©2021 Google 1000 ft

39-26 30th St

Long Island City, NY 11101

1. Head southwest on 30th St toward 40th Ave

190 ft

2. Turn right onto 40th Ave

266 ft

3. Turn right onto 29th St

1.3 mi

4. Turn left onto 30th Ave

Destination will be on the left

0.1 mi

Mount Sinai Queens

25-10 30th Ave, Queens, NY 11102

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.

SAFETY DATA SHEET

M34514 - ANSI - EN



HYDROCHLORIC ACID (HCl) (ALL GRADES)

SDS No.: M34514 **SDS Revision Date:** 21-Jan-2016

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Identification:	Occidental Chemical Corporation 5005 LBJ Freeway P.O. Box 809050 Dallas, TX 75380-9050 1-800-752-5151
24 Hour Emergency Telephone Number:	1-800-733-3665 or 1-972-404-3228 (USA); CANUTEC (Canada): 1-613-996-6666; CHEMTREC (within USA and Canada): 1-800-424-9300; CHEMTREC (outside USA and Canada): +1 703-527-3887; CHEMTREC Contract No: CCN16186
To Request an SDS:	MSDS@oxy.com or 1-972-404-3245
Customer Service:	1-800-752-5151 or 1-972-404-3700
Product Identifier:	**HYDROCHLORIC ACID (HCl) (ALL GRADES)**
Trade Name:	Hydrochloric Acid (HCl) aqueous all grades
Synonyms:	Muriatic Acid, HCl Solution, Aqueous hydrogen chloride
Product Use:	Process chemical, Metal cleaning, Water purification, Petroleum Industry
Uses Advised Against:	None identified

SECTION 2. HAZARDS IDENTIFICATION

HYDROCHLORIC ACID (HCl) (ALL GRADES)

SDS No.: M34514 **SDS Revision Date:** 21-Jan-2016

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

****

EMERGENCY OVERVIEW:

Color: Colorless
Physical State: Liquid
Appearance: Clear
Odor: Irritating, Pungent, Sharp

Signal Word: **Danger**

MAJOR HEALTH HAZARDS: CORROSIVE. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. HARMFUL IF INHALED. CAUSES DAMAGE TO TEETH THROUGH PROLONGED OR REPEATED EXPOSURES.

PHYSICAL HAZARDS: Contact with metals may evolve flammable hydrogen gas. May spatter or generate heat when mixed with water.

PRECAUTIONARY STATEMENTS: Do not get in eyes, on skin, or on clothing. Wear gloves, protective clothing, eye, and face protection. Do not breathe mist, vapors, or spray. Use outdoors or in a well-ventilated area. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Keep separated from incompatible substances.

ADDITIONAL HAZARD INFORMATION: This material is corrosive. To treat contacted tissue, flush with water to dilute. There is no specific antidote.

****

GHS CLASSIFICATION:

GHS: CONTACT HAZARD - SKIN:	Category 1B - Causes severe skin burns and eye damage.
GHS: CONTACT HAZARD - EYE:	Category 1 - Causes serious eye damage
GHS: ACUTE TOXICITY - INHALATION:	Category 4 - Harmful if inhaled
GHS: ACUTE TOXICITY - ORAL:	Category 4 - Harmful if swallowed.
GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Category 1 - Causes damage to teeth through prolonged or repeated exposure
GHS: TARGET ORGAN TOXICITY (REPEATED EXPOSURE):	Category 1 - Causes damage to teeth through prolonged or repeated exposure
GHS: CARCINOGENICITY:	Not classified as a carcinogen per GHS criteria. This material is not classifiable as to its carcinogenicity to humans (Group 3 - IARC). ACGIH - A4 Carcinogen - Not classifiable as a human carcinogen.

HYDROCHLORIC ACID (HCl) (ALL GRADES)

UNKNOWN ACUTE TOXICITY: Not applicable. 100% of this product consists of ingredient(s) of known acute toxicity.

GHS SYMBOL: Corrosive, Health hazard, Exclamation mark



GHS SIGNAL WORD: **DANGER**

GHS HAZARD STATEMENTS:

GHS - Health Hazard Statement(s)
• Causes severe skin burns and eye damage
• Causes serious eye damage
• Harmful if swallowed
• Harmful if inhaled
• Causes damage to organs through prolonged or repeated exposure (teeth)

GHS - Precautionary Statement(s) - Prevention
• Wear protective gloves, protective clothing, eye, and face protection
• Do not breathe mist, vapors, or spray
• Wash thoroughly after handling
• Do not eat, drink or smoke when using this product
• Use only outdoors or in a well-ventilated area

GHS - Precautionary Statement(s) - Response
• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
• IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower
• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
• Immediately call a POISON CENTER or doctor/physician
• Wash contaminated clothing before reuse
• IF INHALED: Remove person to fresh air and keep comfortable for breathing
• Call a POISON CENTER or doctor/physician if you feel unwell
• Specific treatment (see First Aid information on product label and/or Section 4 of the SDS)

GHS - Precautionary Statement(s) - Storage
• Store locked up

GHS - Precautionary Statement(s) - Disposal
• Dispose of contents and container in accordance with applicable local, regional, national, and/or international regulations

Hazards Not Otherwise Classified (HNOC)
None identified

See Section 11: TOXICOLOGICAL INFORMATION

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Muriatic Acid, HCl Solution, Aqueous hydrogen chloride

Contains Hydrochloric Acid [Hydrogen Chloride]

Component	Percent [%]	CAS Number
Water	63 - 91	7732-18-5
Hydrochloric Acid [Hydrogen Chloride]	9-36	7647-01-0

SECTION 4. FIRST AID MEASURES

INHALATION: If inhaled and adverse effects occur, remove victim to fresh air and keep at rest in a position comfortable for breathing. Evaluate ABC's (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically. IF exposed or concerned: Get medical advice/attention. If you feel unwell, GET MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT: If on skin or hair, immediately flush contaminated areas with water. Immediately remove all contaminated clothing, jewelry, and shoes. Rinse skin with large amounts of water. Thoroughly clean and dry contaminated clothing and shoes before reuse. The specific treatment is dilution with water. There is no antidote. If you feel unwell, IMMEDIATELY CONTACT A POISON CENTER, PHYSICIAN/DOCTOR, OR GET MEDICAL ATTENTION.

EYE CONTACT: Immediately rinse eyes cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Continued irrigation may be necessary to ensure neutral pH. Water or saline may be used. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION: If swallowed: Rinse mouth. Do NOT induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops. Never give anything by mouth to an unconscious or convulsive person. GET MEDICAL ATTENTION IMMEDIATELY.

Most Important Symptoms/Effects (Acute and Delayed) Hydrochloric acid may be corrosive to the eyes, skin, and mucus membranes. It may be corrosive to any tissue it comes in contact with. Depending on the concentration, duration, and nature of the exposure, it can cause serious burns and extensive tissue destruction.

Acute Symptoms/Effects: Listed below.
Inhalation (Breathing): Respiratory System Effects: Inhalation of this material may cause: irritation of the respiratory tract with sore throat, coughing, shortness of breath, hoarseness, laryngeal spasms, upper respiratory tract edema, inflammation and ulceration, hemorrhage, chest pain, and pulmonary edema. Measurements of distress include increased respiration rate and decreased tidal volume, decreased forced expiratory volume, increased airway resistance, and reduced vital capacity. You may observe sudden circulatory collapse, glottis or esophageal edema and death.

Skin: Skin Corrosion: Concentrated hydrochloric acid is corrosive to tissue, possibly causing redness, irritation, burns, ulceration, scarring, and possible necrosis (tissue death). Severe burns have been fatal. Sudden circulatory collapse can occur with shock if large areas of skin have been burned.
Eye: Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn.
Ingestion (Swallowing): Gastrointestinal System Effects: Acute ingestion of concentrated hydrochloric acid may cause nausea, vomiting, abdominal pain, diarrhea, gastrointestinal bleeding, perforation, necrosis, scarring, acidosis, and sudden circulatory collapse. May be fatal if swallowed.

Delayed Symptoms/Effects:
- Respiratory System Effects: Chronic occupational exposure to hydrochloric acid has been reported to cause chronic bronchitis
- Skin: Repeated and prolonged skin contact may cause a chronic dermatitis
- Eye: Blindness, resulting from corneal burns, damage/loss of internal contents of eye, and perforation of globe
- Gastrointestinal Effects: Chronic occupational exposure has been reported to cause gastritis
- Teeth: Prolonged exposure to low concentrations may also cause dental discoloration and erosion

Interaction with Other Chemicals Which Enhance Toxicity: None known.

Medical Conditions Aggravated by Exposure: May aggravate preexisting conditions such as: eye disorders that decrease tear production or have reduced integrity of the eye; skin disorders that compromise the integrity of the skin; and respiratory conditions including asthma and other breathing disorders.

Protection of First-Aiders: Protect yourself by avoiding contact with this material. Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, vapors, or spray. Do not ingest. Use personal protective equipment. Refer to Section 8 for specific personal protective equipment recommendations.

Notes to Physician: Treat as a corrosive substance. Do not attempt to neutralize pH with sodium bicarbonate. Treat via dilution. Water or milk may be used. There is no antidote. Severe burns have been fatal. Treatment is supportive care. Follow normal parameters for airway, breathing, and circulation.

SECTION 5. FIRE-FIGHTING MEASURES

Fire Hazard: Not combustible, but if involved in a fire decomposes to produce irritants and toxic gases.

Extinguishing Media: Use media appropriate for surrounding fire.

Fire Fighting: Keep unnecessary people away, isolate hazard area and deny entry. Wear NIOSH approved positive-pressure self-contained breathing apparatus operated in pressure demand mode. Move container from fire area if it can be done without risk. Cool non-leaking containers with water. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

Component	Immediately Dangerous to Life/ Health (IDLH)
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	50 ppm IDLH

Hazardous Combustion Products: Hydrogen chloride, Chlorine, Hydrogen gas

Sensitivity to Mechanical Impact:	Not sensitive.
Sensitivity to Static Discharge:	Not sensitive.
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Flash point:	Not flammable
Auto-ignition Temperature:	Not determined

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Remove all ignition sources. Keep unnecessary and unprotected persons away. Isolate hazard area and deny entry. Stop spill/leak if no risk involved. Consider evacuation of personnel located downwind if material is leaking. Do not get in eyes, on skin or on clothing. Do not breathe dust, fume, gas, mist, vapors, or spray. Do not ingest. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls / Personal Protection, of the SDS.

Methods and Materials for Containment and Cleaning Up:
Completely contain spilled materials with dikes, sandbags, etc. Shut off ventilation system if needed. Reuse or reprocess where possible. Neutralize with soda ash or dilute caustic soda. Collect with appropriate, noncombustible absorbent and place into suitable container. Liquid material may be removed with a properly rated vacuum truck.

Environmental Precautions:
Keep out of water supplies and sewers. This material is acidic and may lower the pH of the surface waters with low buffering capacity. Releases should be reported, if required, to appropriate agencies.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling:
Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear personal protective equipment as described in Exposure Controls/Personal Protection (Section 8) of the MSDS. Use only equipment and hoses approved for this material. NEVER add water to this product. Always add product to large quantities of water. When mixing, slowly add to water to minimize heat generation and spattering. Water or caustic solutions should never be added directly to this product because of violent reaction and spattering.

Safe Storage Conditions:
Store and handle in accordance with all current regulations and standards. Store in rubber-lined steel, acid-resistant plastic or glass containers. Keep container tightly closed. Store in a cool, dry area. Store in a well-ventilated area. Keep away from heat, sparks and open flames. Keep separated from incompatible substances (see below or Section 10 of the Safety Data Sheet). Do not store in aluminum container or use aluminum fittings or transfer lines. Protect from physical damage. Dike and vent storage tanks.

Incompatibilities/ Materials to Avoid:
Alkalis, metals, oxidizing agents, Mercuric sulfate, Perchloric acid, Carbides of calcium, cesium, rubidium, Acetylides of cesium and rubidium, Phosphides of calcium and uranium, Lithium silicide

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Regulatory Exposure Limit(s): Listed below for the product components that have non-regulatory occupational exposure limits (OEL's).

Component	OSHA Final PEL TWA	OSHA Final PEL STEL	OSHA Final PELCeiling
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	-----	-----	5 ppm 7 mg/m^3

OEL: Occupational Exposure Limit; OSHA: United States Occupational Safety and Health Administration; PEL: Permissible Exposure Limit; TWA: Time Weighted Average; STEL: Short Term Exposure Limit

NON-REGULATORY EXPOSURE LIMIT(S): Listed below for the product components that have non-regulatory occupational exposure limits (OEL's).

Component	ACGIH TWA	ACGIH STEL	ACGIH Ceiling	OSHA TWA (Vacated)	OSHA STEL (Vacated)	OSHA Ceiling (Vacated)
Hydrochloric Acid [Hydrogen Chloride]	-----	-----	2 ppm	-----	-----	5 ppm 7 mg/m^3

- *The Non-Regulatory United States Occupational Safety and Health Administration (OSHA) limits, if shown, are the Vacated 1989 PEL's (vacated by 58 FR 35338, June 30, 1993).*

- The American Conference of Governmental Industrial Hygienists (ACGIH) is a voluntary organization of professional industrial hygiene personnel in government or educational institutions in the United States. The ACGIH develops and publishes recommended occupational exposure limits each year called Threshold Limit Values (TLVs) for hundreds of chemicals, physical agents, and biological exposure indices.

Component	OXY REL 8 hr TWA	OXY REL STEL	OXY REL Ceiling
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0 (9-36)			2 ppm

ENGINEERING CONTROLS: Use closed systems when possible. Provide local exhaust ventilation where vapor or mist may be generated. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection: Wear chemical safety goggles with a face-shield to protect against eye and skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin and Body Protection: Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Always place pants legs over boots.

Hand Protection: Wear appropriate chemical resistant gloves. Consult a glove supplier for assistance in selecting an appropriate chemical resistant glove.

Protective Material Types:
- Nitrile
- Neoprene
- Butyl rubber
- Polyvinyl chloride (PVC)
- Responder®
- Trellchem® HPS
- Tychem®

Respiratory Protection: Where vapor or mist concentration exceeds or is likely to exceed applicable exposure limits, a NIOSH approved respirator with acid gas cartridges (appropriate for hydrogen chloride) is required. When an air-purifying respirator is not adequate, for exposures above the IDLH or for spills and/or emergencies of unknown concentrations, a NIOSH approved self-contained breathing apparatus or airline respirator with a full-face piece and with an auxiliary self contained escape pack is required. A respiratory protection program that meets 29 CFR 1910.134 must be followed whenever workplace conditions warrant use of a respirator.

Component	Immediately Dangerous to Life/ Health (IDLH)
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	50 ppm IDLH

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance:	Clear
Color:	Colorless
Odor:	Irritating, Pungent, Sharp
Odor Threshold [ppm]:	0.3 ppm (causes olfactory fatigue).
Molecular Weight:	36.46
Molecular Formula:	HCl
Boiling Point/Range:	140 - 221°F (60 - 105 °C)
Freezing Point/Range:	-29 to 5 °F (-34 to -15 °C).
Melting Point/Range:	Not applicable to liquids
Vapor Pressure:	14.6 - 80 mmHg @ 20 °C
Vapor Density (air=1):	1.3 @ 20 °C
Relative Density/Specific Gravity (water=1):	1.05 - 1.18
Density:	8.75 - 9.83 lbs/gal

Water Solubility:	100%
pH:	0.03647 wt% HCl solution (364 ppm) has a pH of 2
Volatility:	9 - 36% by volume
Evaporation Rate (ether=1):	< 1.00 (butyl acetate = 1)
Partition Coefficient (n-octanol/water):	No data available
Flash point:	Not flammable
Flammability (solid, gas):	Not flammable
Lower Flammability Level (air):	Not flammable
Upper Flammability Level (air):	Not flammable
Auto-ignition Temperature:	Not determined
Viscosity:	No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Hydrochloric acid reacts vigorously with alkalis and with many organic materials. Reacts with strong oxidizing materials causing the release of chlorine.

Chemical Stability: Stable at normal temperatures and pressures.

Possibility of Hazardous Reactions:
Avoid heat, flames, sparks and other sources of ignition. Mixing with water may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas. Hydrogen chloride may react with cyanide, forming lethal concentrations of hydrocyanic acid. Avoid contact with incompatible materials.

Conditions to Avoid: (e.g., static discharge, shock, or vibration) -. None known.

Incompatibilities/ Materials to Avoid: Alkalis. metals. oxidizing agents. Mercuric sulfate. Perchloric acid. Carbides of calcium, cesium, rubidium. Acetylides of cesium and rubidium. Phosphides of calcium and uranium. Lithium silicide.

Hazardous Decomposition Products: chlorine, hydrogen chloride, hydrogen gas

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

PRODUCT TOXICITY DATA: Hydrochloric Acid (HCl) (All Grades)

LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
700 mg/kg (Rat)	>5010 mg/kg (Rabbit)	3124 ppm (1 hr - Rat), converted to 1562 ppm (4 hr - Rat)

COMPONENT TOXICITY DATA:

HYDROCHLORIC ACID (HCl) (ALL GRADES)

Note: The component toxicity data is populated by the LOLI database and may differ from the product toxicity data given.

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Water 7732-18-5	90 mL/kg (Rat)	-----	-----
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	238 - 277 mg/kg (Rat)	5010 mg/kg (Rabbit)	1.68 mg/L (1 hr-Rat)

****

POTENTIAL HEALTH EFFECTS:

Eye contact: Causes serious eye damage. Eye exposure may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn.

Skin contact: Can cause severe skin burns. Concentrated hydrochloric acid is corrosive to tissue, causing redness, irritation (possibly severe), burns, ulceration, scarring, and possible necrosis (tissue death).

Inhalation: Inhalation of this material may cause: irritation of the respiratory tract with sore throat, coughing, shortness of breath, hoarseness, laryngeal spasms, upper respiratory tract edema, inflammation and ulceration, hemorrhage, chest pain, and pulmonary edema.

Ingestion: Ingestion of concentrated hydrochloric acid can cause nausea, vomiting, abdominal pain, diarrhea, gastrointestinal bleeding, perforation, necrosis and scarring, acidosis, and sudden circulatory collapse. May be fatal if swallowed.

Chronic Effects: Repeated or prolonged skin exposure to dilute solutions may result in dermatitis. Photosensitization has been reported in chronic occupational skin exposures. Discoloration and erosion of the teeth may occur as a result of long term exposure. Chronic occupational inhalation exposure to hydrochloric acid has been reported to cause chronic bronchitis.

SIGNS AND SYMPTOMS OF EXPOSURE:
Listed below.

Inhalation (Breathing): Respiratory System Effects: Inhalation of this material may cause: irritation of the respiratory tract with sore throat, coughing, shortness of breath, hoarseness, laryngeal spasms, upper respiratory tract edema, inflammation and ulceration, hemorrhage, chest pain, and pulmonary edema. Measurements of distress include increased respiration rate and decreased tidal volume, decreased forced expiratory volume, increased airway resistance, and reduced vital capacity. You may observe sudden circulatory collapse, glottis or esophageal edema and death.
Skin: Skin Corrosion: Concentrated hydrochloric acid is corrosive to tissue, possibly causing redness, irritation, burns, ulceration, scarring, and possible necrosis (tissue death). Severe burns have been fatal. Sudden circulatory collapse can occur with shock if large areas of skin have been burned.
Eye: Serious Eye Damage. Exposure to eyes may cause irritation and burns to the eye lids, conjunctivitis, corneal edema, and corneal burn.

Ingestion (Swallowing): Gastrointestinal System Effects: Acute ingestion of concentrated hydrochloric acid may cause nausea, vomiting, abdominal pain, diarrhea, gastrointestinal bleeding, perforation, necrosis, scarring, acidosis, and sudden circulatory collapse. May be fatal if swallowed.

TOXICITY:
Hydrochloric acid is corrosive to skin, eyes, and mucus membranes and causes immediate, severe irritation and corrosion of exposed tissue. Prolonged exposures may cause discoloration and erosion of teeth, gastritis, photosensitization, and bronchitis. Ingestion may be fatal.

Interaction with Other Chemicals Which Enhance Toxicity: None known.

****

GHS HEALTH HAZARDS:

GHS: ACUTE TOXICITY - ORAL: Category 4 - Harmful if swallowed.

GHS: ACUTE TOXICITY - INHALATION: Category 4 - Harmful if inhaled.

GHS: CONTACT HAZARD - EYE: Category 1 - Causes serious eye damage

GHS: CONTACT HAZARD - SKIN: Category 1B - Causes severe skin burns and eye damage

Skin Absorbent / Dermal Route? No.

GHS: CARCINOGENICITY:
Not classified as a carcinogen per GHS criteria. This material is not classifiable as to its carcinogenicity to humans (Group 3 - IARC). ACGIH - A4 Carcinogen - Not classifiable as a human carcinogen.

Component	NTP:	IARC (GROUP 1):	IARC (GROUP 2):	OSHA:
Hydrochloric Acid [Hydrogen Chloride]	Not listed	Not listed	Not listed	Listed

SPECIFIC TARGET ORGAN TOXICITY (Repeated or Prolonged Exposure):
Category 1 - Teeth

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA:

FATE AND TRANSPORT:

BIODEGRADATION: This material is inorganic and not subject to biodegradation

PERSISTENCE: This material is believed not to persist in the environment
This material is believed to exist in the disassociated state in the environment
If released to soil, hydrogen chloride will sink into the soil. The acid will dissolve some soil material (in particular, anything with a carbonate base) and will be somewhat neutralized. The remaining portion is thought to transport downward to the water table. If released to water, it dissociates almost completely and will be neutralized by natural alkalinity and carbon dioxide

BIOCONCENTRATION: This material is not expected to bioconcentrate in organisms.

ADDITIONAL ECOLOGICAL INFORMATION: This material has exhibited toxicity to terrestrial organisms. May decrease pH of waterways and adversely affect aquatic life. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your local or regional regulatory water boards and/or other appropriate regulatory offices.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste from material:
Reuse or reprocess, if possible. May be subject to disposal regulations. Dispose in accordance with all applicable regulations.

Container Management:
Dispose of container in accordance with applicable local, regional, national, and/or international regulations. Container rinsate must be disposed of in compliance with applicable regulations.

SECTION 14. TRANSPORT INFORMATION

IMPORTANT: The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport

LAND TRANSPORT

U.S. DOT 49 CFR 172.101:

UN NUMBER:	UN1789
PROPER SHIPPING NAME:	Hydrochloric acid solution
HAZARD CLASS/ DIVISION:	8
PACKING GROUP:	II
LABELING REQUIREMENTS:	8
RQ (lbs):	RQ 5,000 Lbs. (Hydrochloric acid)

CANADIAN TRANSPORTATION OF DANGEROUS GOODS:

UN NUMBER: UN1789
SHIPPING NAME: Hydrochloric acid solution
CLASS OR DIVISION: 8
PACKING/RISK GROUP: II
LABELING REQUIREMENTS: 8

MARITIME TRANSPORT (IMO / IMDG) :

UN NUMBER: UN1789
PROPER SHIPPING NAME: Hydrochloric acid solution
HAZARD CLASS / DIVISION: 8
Packing Group: II
LABELING REQUIREMENTS: 8

SECTION 15. REGULATORY INFORMATION

U.S. REGULATIONS

OSHA REGULATORY STATUS:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA SECTIONS 102a/103 HAZARDOUS SUBSTANCES (40 CFR 302.4):
If a release is reportable under CERCLA section 103, notify the state emergency response commission and local emergency planning committee. In addition, notify the National Response Center at (800) 424-8802 or (202) 426-2675.

Component	CERCLA Reportable Quantities:
Hydrochloric Acid [Hydrogen Chloride]	5000 lb (final RQ)

SARA EHS Chemical (40 CFR 355.30)
If a release is reportable under EPCRA, notify the state emergency response commission and local emergency planning committee. If the TPQ is met, facilities are subject to reporting requirements under EPCRA Sections 311 and 312.

Component	EPCRA RQs	Section 302 Threshold Planning Quantity (TPQs)
Hydrochloric Acid [Hydrogen Chloride]	5000 lb (EPCRA RQ)	500 lb TPQ

EPCRA SECTIONS 311/312 HAZARD CATEGORIES (40 CFR 370.10):
Acute Health Hazard, Reactive Hazard, Chronic Health Hazard, Extremely Hazardous

EPCRA SECTION 313 (40 CFR 372.65):
The following chemicals are listed in 40 CFR 372.65 and may be subject to Community Right-to Know Reporting requirements

Component	Status:
Hydrochloric Acid [Hydrogen Chloride]	1.0 %

DEPARTMENT OF HOMELAND SECURITY (DHS)- Chemical Facility Anti-Terrorism Standards (6 CFR 27):
.? is regulated under DHS as follows:

OSHA PROCESS SAFETY (PSM) (29 CFR 1910.119):
Not regulated

NATIONAL INVENTORY STATUS

Component	U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):
Water 7732-18-5 (63 - 91)	Listed
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0 (9-36)	Listed

TSCA 12(b): This product is not subject to export notification.

Canadian Chemical Inventory: All components of this product are listed on either the DSL or the NDSL.

STATE REGULATIONS

Component	California Proposition 65 Cancer WARNING:	California Proposition 65 CRT List - Male reproductive toxin:	California Proposition 65 CRT List - Female reproductive toxin:	Massachusetts Right to Know Hazardous Substance List	New Jersey Right to Know Hazardous Substance List	New Jersey Special Health Hazards Substance List
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	Not Listed	Not Listed	Not Listed	Listed	1012	corrosive

Component	New Jersey - Environmental Hazardous Substance List	Pennsylvania Right to Know Hazardous Substance List	Pennsylvania Right to Know Special Hazardous Substances	Pennsylvania Right to Know Environmental Hazard List	Rhode Island Right to Know Hazardous Substance List
Water 7732-18-5	Not Listed	Listed	Not Listed	Not Listed	Not Listed
Hydrochloric Acid [Hydrogen Chloride] 7647-01-0	Listed	Listed	Not Listed	Present	Listed

CANADIAN REGULATIONS
• This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations

Component	Water
WHMIS - Classifications of Substances: Uncontrolled product according to WHMIS classification criteria	
Component	Hydrochloric Acid [Hydrogen Chloride]

WHMIS - Classifications of Substances:
A,D1A,E
D1A,E
E
D1B,E

SECTION 16. OTHER INFORMATION

Prepared by: OxyChem Corporate HESS - Product Stewardship

Rev. Date: 21-Jan-2016

Disclaimer:
This information is intended solely for the use of individuals trained in the NFPA and/or HMIS systems.

HMIS: (SCALE 0-4) (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

Health Rating: 3*	**Flammability Rating:** 0	**Reactivity Rating:** 0
Health Rating: 3	**Flammability:** 0	**Reactivity Rating:** 1

Reason for Revision:
• Emergency Overview was revised: SEE SECTION 2
• Changed the GHS classification: SEE SECTION 2
• Toxicological Information has been revised: SEE SECTION 11
• Regulatory Information Changes: SEE SECTION 15

IMPORTANT:
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OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, safety data sheets, training and access to written records. We request that you, and it is your legal duty to, make all information in this Safety Data Sheet available to your employees

End of Safety Data Sheet

SAFETY DATA SHEET

Isobutylene

Section 1. Identification

GHS product identifier : Isobutylene

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

Product type : Gas.

Product use : Synthetic/Analytical chemistry.

Synonym : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

SDS # : 001031

Supplier's details : Airgas USA, LLC and its affiliates
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253

24-hour telephone : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE GASES - Category 1
GASES UNDER PRESSURE - Liquefied gas

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Extremely flammable gas.
May form explosive mixtures with air.
Contains gas under pressure; may explode if heated.
May displace oxygen and cause rapid suffocation.

Precautionary statements

General : Read and follow all Safety Data Sheets (SDS'S) before use. Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand. Close valve after each use and when empty. Use equipment rated for cylinder pressure. Do not open valve until connected to equipment prepared for use. Use a back flow preventative device in the piping. Use only equipment of compatible materials of construction. Always keep container in upright position. Approach suspected leak area with caution.

Prevention : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response : Leaking gas fire: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

Storage : Protect from sunlight. Store in a well-ventilated place.

Disposal : Not applicable.

Hazards not otherwise classified : In addition to any other important health or physical hazards, this product may displace oxygen and cause rapid suffocation.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : 2-methylpropene

Other means of identification : 1-Propene, 2-methyl-; Isobutene; Isobutylene; 1-Propene, 2-methyl- (isobutene); 1, 1-Dimethylethylene; Isopropylidenemethylene; iso-Butene; i-Butene; 2-Methylpropylene; 2-Methyl-2-propene; 2-Methyl-1-propene

Product code : 001031

CAS number/other identifiers

CAS number : 115-11-7

Ingredient name	%	CAS number
Isobutylene	100	115-11-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : As this product is a gas, refer to the inhalation section.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Frostbite : Try to warm up the frozen tissues and seek medical attention.

Ingestion : As this product is a gas, refer to the inhalation section.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Section 4. First aid measures

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.

Large spill : Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Do not puncture or incinerate container. Use equipment rated for cylinder pressure. Close valve after each use and when empty. Protect cylinders from physical damage; do not drag, roll, slide, or drop. Use a suitable hand truck for cylinder movement.

Use only non-sparking tools. Avoid contact with eyes, skin and clothing. Empty containers retain product residue and can be hazardous. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Eliminate all ignition sources. Cylinders should be stored upright, with valve protection cap in place, and firmly secured to prevent falling or being knocked over. Cylinder temperatures should not exceed 52 °C (125 °F). Keep container tightly closed and sealed until ready for use. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Isobutylene	**ACGIH TLV (United States, 3/2017).** TWA: 250 ppm 8 hours.

Appropriate engineering controls : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Section 8. Exposure controls/personal protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Gas. [Compressed gas.]

Color : Colorless.

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Melting point : -140.7°C (-221.3°F)

Boiling point : -6.9°C (19.6°F)

Critical temperature : 144.75°C (292.6°F)

Flash point : Closed cup: -76.1°C (-105°F)

Evaporation rate : Not available.

Flammability (solid, gas) : Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and oxidizing materials.

Lower and upper explosive (flammable) limits : Lower: 1.8%
Upper: 9.6%

Vapor pressure : 24.3 (psig)

Vapor density : 1.94 (Air = 1)

Specific Volume (ft ^{3}/lb) : 6.6845

Gas Density (lb/ft ^{3}) : 0.1496 (25°C / 77 to °F)

Relative density : Not applicable.

Solubility : Not available.

Solubility in water : 0.26 g/l

Partition coefficient: n-octanol/water : 2.34

Auto-ignition temperature : 465°C (869°F)

Decomposition temperature : Not available.

Viscosity : Not applicable.

Flow time (ISO 2431) : Not available.

Molecular weight : 56.12 g/mole

Aerosol product

Heat of combustion : -45029034 J/kg

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible materials : Oxidizers

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Isobutylene	LC50 Inhalation Vapor	Rat	550000 mg/m³	4 hours

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Section 11. Toxicological information

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : As this product is a gas, refer to the inhalation section.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Isobutylene	2.34	-	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Section 12. Ecological information

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Empty Airgas-owned pressure vessels should be returned to Airgas. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Do not puncture or incinerate container.

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1055	UN1055	UN1055	UN1055	UN1055
UN proper shipping name	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE	ISOBUTYLENE
Transport hazard class(es)	2.1 	2.1 	2.1 	2.1 	2.1 
Packing group	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Additional information

DOT Classification : **Limited quantity** Yes.
Quantity limitation Passenger aircraft/rail: Forbidden. Cargo aircraft: 150 kg.
Special provisions 19, T50

TDG Classification : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.13-2.17 (Class 2).
Explosive Limit and Limited Quantity Index 0.125
ERAP Index 3000
Passenger Carrying Ship Index Forbidden
Passenger Carrying Road or Rail Index Forbidden
Special provisions 29

IATA : **Quantity limitation** Passenger and Cargo Aircraft: Forbidden. Cargo Aircraft Only: 150 kg.

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption**: Not determined

Clean Air Act (CAA) 112 regulated flammable substances: Isobutylene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Refer to Section 2: Hazards Identification of this SDS for classification of substance.

State regulations

Massachusetts : This material is listed.

New York : This material is not listed.

New Jersey : This material is listed.

Pennsylvania : This material is listed.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia : This material is listed or exempted.

Canada : This material is listed or exempted.

China : This material is listed or exempted.

Europe : This material is listed or exempted.

Japan : **Japan inventory (ENCS)**: This material is listed or exempted.
Japan inventory (ISHL): Not determined.

Malaysia : Not determined.

New Zealand : This material is listed or exempted.

Philippines : This material is listed or exempted.

Republic of Korea : This material is listed or exempted.

Section 15. Regulatory information

Taiwan : This material is listed or exempted.

Thailand : Not determined.

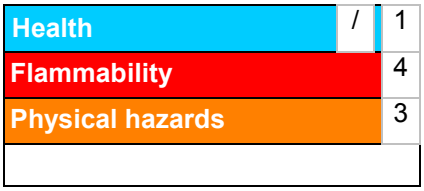
Turkey : Not determined.

United States : This material is listed or exempted.

Viet Nam : Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
FLAMMABLE GASES - Category 1 GASES UNDER PRESSURE - Liquefied gas	Expert judgment Expert judgment

History

Date of printing : 5/10/2018

Date of issue/Date of revision : 5/10/2018

Date of previous issue : 7/11/2016

Version : 0.02

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

Section 16. Other information

as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

SAFETY DATA SHEET

Creation Date 10-Dec-2009 **Revision Date** 23-Jan-2018 **Revision Number** 5

1. Identification

Product Name **Tetrachloroethylene**

Cat No. : **AC445690000; ACR445690010; AC445690025; AC445691000**

CAS-No 127-18-4
Synonyms Perchloroethylene

Recommended Use Laboratory chemicals.
Uses advised against Not for food, drug, pesticide or biocidal product use

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01 / **Europe** call: +32 14 57 52 11
Emergency Number **US:**001-201-796-7100 / **Europe:** +32 14 57 52 99
CHEMTREC Tel. No.**US:**001-800-424-9300 / **Europe:**001-703-527-3887

2. Hazard(s) identification

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2
Skin Sensitization	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (single exposure)	Category 3
Target Organs - Central nervous system (CNS).	
Specific target organ toxicity - (repeated exposure)	Category 2
Target Organs - Kidney, Liver, Blood.	

Label Elements

Signal Word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
May cause drowsiness or dizziness
May cause cancer
May cause damage to organs through prolonged or repeated exposure



Precautionary Statements
Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing should not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wear protective gloves/protective clothing/eye protection/face protection
Response
IF exposed or concerned: Get medical attention/advice
Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Skin
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
Eyes
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed
Disposal
Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)
Toxic to aquatic life with long lasting effects
WARNING. Cancer - https://www.p65warnings.ca.gov/.

3. Composition/Information on Ingredients

Component	CAS-No	Weight %
Tetrachloroethylene	127-18-4	>95

4. First-aid measures

General Advice If symptoms persist, call a physician.

Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.

Ingestion Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects	None reasonably foreseeable. May cause allergic skin reaction. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing
Notes to Physician	Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	No information available
Flash Point	No information available
Method -	No information available
Autoignition Temperature	No information available
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating gases and vapors. Containers may explode when heated.

Hazardous Combustion Products
Chlorine Hydrogen chloride gas Phosgene
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
2	0	0	N/A

6. Accidental release measures

Personal Precautions	Use personal protective equipment. Ensure adequate ventilation.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment and Clean Up	Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. Handling and storage

Handling	Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Avoid ingestion and inhalation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight.

8. Exposure controls / personal protection

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH	Mexico OEL (TWA)
Tetrachloroethylene	TWA: 25 ppm STEL: 100 ppm	(Vacated) TWA: 25 ppm (Vacated) TWA: 170 mg/m^3 Ceiling: 200 ppm TWA: 100 ppm	IDLH: 150 ppm	TWA: 100 ppm TWA: 670 mg/m^3 TWA: 200 ppm TWA: 1250 mg/m^3 STEL: 200 ppm STEL: 1340 mg/m^3

Legend

ACGIH - American Conference of Governmental Industrial Hygienists
OSHA - Occupational Safety and Health Administration
NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

Engineering Measures Use only under a chemical fume hood. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection Long sleeved clothing.

Respiratory Protection Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Colorless
Odor	Characteristic, sweet
Odor Threshold	No information available
pH	No information available
Melting Point/Range	-22 °C / -7.6 °F
Boiling Point/Range	120 - 122 °C / 248 - 251.6 °F @ 760 mmHg
Flash Point	No information available
Evaporation Rate	6.0 (Ether = 1.0)
Flammability (solid,gas)	Not applicable
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	18 mbar @ 20 °C
Vapor Density	No information available
Density	1.619
Specific Gravity	1.625
Solubility	0.15 g/L water (20°C)
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	> 150°C
Viscosity	0.89 mPa s at 20 °C
Molecular Formula	C2 Cl4
Molecular Weight	165.83

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable under normal conditions.

Conditions to Avoid Incompatible products. Excess heat. Exposure to moist air or water.

Incompatible Materials Strong acids, Strong oxidizing agents, Strong bases, Metals, Zinc, Amines, Aluminium

Hazardous Decomposition Products Chlorine, Hydrogen chloride gas, Phosgene

Hazardous Polymerization Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing.

11. Toxicological information

Acute Toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Tetrachloroethylene	LD50 = 2629 mg/kg (Rat)	LD50 > 10000 mg/kg (Rat)	LC50 = 27.8 mg/L (Rat) 4 h

Toxicologically Synergistic Products No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation Irritating to eyes and skin

Sensitization No information available

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Tetrachloroethylene	127-18-4	Group 2A	Reasonably Anticipated	A3	X	A3

IARC: (International Agency for Research on Cancer)

NTP: (National Toxicity Program)

ACGIH: (American Conference of Governmental Industrial Hygienists)

Mexico - Occupational Exposure Limits - Carcinogens

IARC: (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans
Group 2A - Probably Carcinogenic to Humans
Group 2B - Possibly Carcinogenic to Humans
NTP: (National Toxicity Program)
Known - Known Carcinogen
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
ACGIH: (American Conference of Governmental Industrial Hygienists)
A1 - Known Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Animal Carcinogen
Mexico - Occupational Exposure Limits - Carcinogens
A1 - Confirmed Human Carcinogen
A2 - Suspected Human Carcinogen
A3 - Confirmed Animal Carcinogen
A4 - Not Classifiable as a Human Carcinogen
A5 - Not Suspected as a Human Carcinogen

Mutagenic Effects No information available

Reproductive Effects No information available.

Developmental Effects No information available.

Teratogenicity No information available.

STOT - single exposure Central nervous system (CNS)

STOT - repeated exposure Kidney Liver Blood

Aspiration hazard No information available

Symptoms / effects,both acute and delayed Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting: Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain or flushing

Endocrine Disruptor Information

Component	EU - Endocrine Disrupters Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Tetrachloroethylene	Group II Chemical	Not applicable	Not applicable

Other Adverse Effects Tumorigenic effects have been reported in experimental animals.

12. Ecological information

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment.

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Tetrachloroethylene	EC50: > 500 mg/L, 96h (Pseudokirchneriella subcapitata)	LC50: 4.73 - 5.27 mg/L, 96h flow-through (Oncorhynchus mykiss) LC50: 11.0 - 15.0 mg/L, 96h static (Lepomis macrochirus) LC50: 8.6 - 13.5 mg/L, 96h static (Pimephales promelas) LC50: 12.4 - 14.4 mg/L, 96h flow-through (Pimephales promelas)	EC50 = 100 mg/L 24 h EC50 = 112 mg/L 24 h EC50 = 120.0 mg/L 30 min	EC50: 6.1 - 9.0 mg/L, 48h Static (Daphnia magna)

Persistence and Degradability Insoluble in water Persistence is unlikely based on information available.

Bioaccumulation/ Accumulation No information available.

Mobility . Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its volatility.

Component	log Pow
Tetrachloroethylene	2.53 - 2.88

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Tetrachloroethylene - 127-18-4	U210	-

14. Transport information

DOT

UN-No UN1897
Proper Shipping Name TETRACHLOROETHYLENE
Hazard Class 6.1
Packing Group III

TDG

UN-No UN1897

Proper Shipping Name TETRACHLOROETHYLENE
Hazard Class 6.1
Packing Group III

IATA
UN-No UN1897
Proper Shipping Name TETRACHLOROETHYLENE
Hazard Class 6.1
Packing Group III

IMDG/IMO
UN-No UN1897
Proper Shipping Name TETRACHLOROETHYLENE
Hazard Class 6.1
Subsidiary Hazard Class P
Packing Group III

15. Regulatory information

All of the components in the product are on the following Inventory lists: X = listed

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Tetrachloroethylene	X	X	-	204-825-9	-		X	X	X	X	X

Legend:
X - Listed
E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.
F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.
P - Indicates a commenced PMN substance
R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
S - Indicates a substance that is identified in a proposed or final Significant New Use Rule
T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.
XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B).
Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.
Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Tetrachloroethylene	127-18-4	>95	0.1

SARA 311/312 Hazard Categories See section 2 for more information

CWA (Clean Water Act)

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Tetrachloroethylene	-	-	X	X

Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Tetrachloroethylene	X		-

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs
Tetrachloroethylene	100 lb 1 lb	-

California Proposition 65 This product contains the following proposition 65 chemicals

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
Tetrachloroethylene	127-18-4	Carcinogen	14 µg/day	Carcinogen

U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Tetrachloroethylene	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ): Y
DOT Marine Pollutant Y
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security
This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

16. Other information

Prepared By
Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

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Print Date 23-Jan-2018
Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of SDS

SAFETY DATA SHEET

Trichloroethylene

Airgas
an Air Liquide company

Section 1. Identification

GHS product identifier : Trichloroethylene

Chemical name : trichloroethylene

Other means of identification : trichloroethene; Ethene, 1,1,2-trichloro-; Ethene, trichloro-; Trichlorethylene; Ethylene, trichloro-

Product use : Synthetic/Analytical chemistry.

Synonym : trichloroethene; Ethene, 1,1,2-trichloro-; Ethene, trichloro-; Trichlorethylene; Ethylene, trichloro-

SDS # : 001206

Supplier's details : Airgas USA, LLC and its affiliates
259 North Radnor-Chester Road
Suite 100
Radnor, PA 19087-5283
1-610-687-5253

24-hour telephone : 1-866-734-3438

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture : SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A
GERM CELL MUTAGENICITY - Category 2
CARCINOGENICITY - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 3

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : Causes serious eye irritation.
Causes skin irritation.
May cause cancer.
Suspected of causing genetic defects.
Harmful to aquatic life with long lasting effects.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Avoid release to the environment. Wash hands thoroughly after handling.

Response : IF exposed or concerned: Get medical attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 2. Hazards identification

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Substance

Chemical name : trichloroethylene

Other means of identification : trichloroethene; Ethene, 1,1,2-trichloro-; Ethene, trichloro-; Trichlorethylene; Ethylene, trichloro-

CAS number/other identifiers

CAS number : 79-01-6

Product code : 001206

Ingredient name	%	CAS number
trichloroethylene	100	79-01-6

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Frostbite : Try to warm up the frozen tissues and seek medical attention.

Ingestion : No known significant effects or critical hazards.

Section 4. First aid measures

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:, pain or irritation, watering, redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:, irritation, redness

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
halogenated compounds
carbonyl halides

Special protective actions for fire-fighters : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

trichloroethylene

ACGIH TLV (United States, 3/2016).
STEL: 25 ppm 15 minutes.
TWA: 10 ppm 8 hours.
OSHA PEL 1989 (United States, 3/1989).
STEL: 1080 mg/m³ 15 minutes.
STEL: 200 ppm 15 minutes.
TWA: 270 mg/m³ 8 hours.
TWA: 50 ppm 8 hours.
OSHA PEL Z2 (United States, 2/2013).
AMP: 300 ppm 5 minutes.
CEIL: 200 ppm
TWA: 100 ppm 8 hours.

Section 8. Exposure controls/personal protection

Appropriate engineering controls : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance

Physical state : Liquid. [Watery liquid.]

Color : Colorless.

Molecular weight : 131.38 g/mole

Molecular formula : C2-H-Cl3

Boiling/condensation point : 86.7°C (188.1°F)

Melting/freezing point : -84.8°C (-120.6°F)

Critical temperature : Not available.

Odor : Characteristic.

Odor threshold : Not available.

pH : Not available.

Flash point : Not available.

Burning time : Not applicable.

Burning rate : Not applicable.

Evaporation rate : 6.39 (butyl acetate = 1)

Flammability (solid, gas) : Not available.

Section 9. Physical and chemical properties

Lower and upper explosive (flammable) limits : Lower: 8%
Upper: 10.5%

Vapor pressure : 9.9 kPa (74.256033302 mm Hg) [room temperature]

Vapor density : 4.5 (Air = 1)

Specific Volume (ft ^{3}/lb) : 0.6849

Gas Density (lb/ft ^{3}) : 1.46

Relative density : 1.5

Solubility : Not available.

Solubility in water : 1.1 g/l

Partition coefficient: n-octanol/water : 2.53

Auto-ignition temperature : 410°C (770°F)

Decomposition temperature : Not available.

SADT : Not available.

Viscosity : Dynamic (room temperature): 0.58 mPa·s (0.58 cP)

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : No specific data.

Incompatible materials : No specific data.

Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
trichloroethylene	LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rabbit Rat	140700 mg/m³ >20 g/kg 4920 mg/kg	1 hours - -

IDLH : 1000 ppm

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
trichloroethylene	Eyes - Moderate irritant Skin - Severe irritant	Rabbit Rabbit	- -	24 hours 20 milligrams 24 hours 2 milligrams	- -

Sensitization

Not available.

Section 11. Toxicological information

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
trichloroethylene	-	1	Reasonably anticipated to be a human carcinogen.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : No known significant effects or critical hazards.

Skin contact : Causes skin irritation.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:, pain or irritation, watering, redness

Inhalation : No specific data.

Skin contact : Adverse symptoms may include the following:, irritation, redness

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : No known significant effects or critical hazards.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : Suspected of causing genetic defects.

Section 11. Toxicological information

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
trichloroethylene	Acute EC50 95000 µg/l Marine water	Algae - Skeletonema costatum	96 hours
	Acute EC50 36.5 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Acute LC50 20 mg/l Marine water	Crustaceans - Elminius modestus	48 hours
	Acute LC50 18 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 3100 µg/l Fresh water	Fish - Jordanella floridae - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic EC10 12.3 mg/l Fresh water	Algae - Chlamydomonas reinhardtii - Exponential growth phase	72 hours
	Chronic NOEC 10 mg/l Fresh water	Daphnia - Daphnia magna	21 days

Persistence and degradability

Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
trichloroethylene	2.53	17	low

Mobility in soil

Soil/water partition coefficient (K_{OC}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 13. Disposal considerations

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
Trichloroethylene; Ethene, trichloro-	79-01-6	Listed	U228

Section 14. Transport information

	DOT	TDG	Mexico	IMDG	IATA
UN number	UN1710	UN1710	UN1710	UN1710	UN1710
UN proper shipping name	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE	TRICHLOROETHYLENE
Transport hazard class(es)	6.1 	6.1 	6.1 	6.1 	6.1 
Packing group	III	III	III	III	III
Environment	No.	No.	No.	No.	No.
Additional information	**Reportable quantity** 100 lbs / 45.4 kg [8. 2147 gal / 31.096 L] Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements. **Limited quantity** Yes. **Packaging instruction** **Passenger aircraft** Quantity limitation: 60 L **Cargo aircraft** Quantity limitation: 220 L **Special provisions** IB3, N36, T4, TP1, T1	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.26-2.36 (Class 6). **Explosive Limit and Limited Quantity Index** 5	-	-	**Passenger and Cargo Aircraft** Quantity limitation: 60 L **Cargo Aircraft Only** Quantity limitation: 220 L **Limited Quantities - Passenger Aircraft** Quantity limitation: 2 L

"Refer to CFR 49 (or authority having jurisdiction) to determine the information required for shipment of the product."

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 5(a)2 final significant new use rules**: trichloroethylene
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
TSCA 12(b) one-time export: trichloroethylene
United States inventory (TSCA 8b): This material is listed or exempted.
Clean Water Act (CWA) 307: trichloroethylene
Clean Water Act (CWA) 311: trichloroethylene

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
trichloroethylene	100	No.	No.	No.	Yes.	Yes.

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	trichloroethylene	79-01-6	100
Supplier notification	trichloroethylene	79-01-6	100

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : This material is listed.

New York : This material is listed.

New Jersey : This material is listed.

Pennsylvania : This material is listed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 15. Regulatory information

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
trichloroethylene	Yes.	Yes.	14 µg/day (ingestion) 50 µg/day (inhalation)	No.

International regulations

International lists

National inventory

Australia : This material is listed or exempted.

Canada : This material is listed or exempted.

China : This material is listed or exempted.

Europe : This material is listed or exempted.

Japan : This material is listed or exempted.

Malaysia : This material is listed or exempted.

New Zealand : This material is listed or exempted.

Philippines : This material is listed or exempted.

Republic of Korea : This material is listed or exempted.

Taiwan : This material is listed or exempted.

Canada

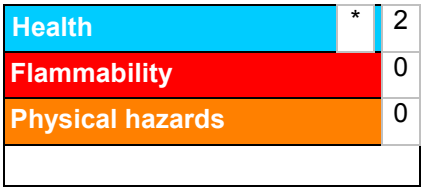
WHMIS (Canada) : Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

CEPA Toxic substances: This material is listed.
Canadian ARET: This material is not listed.
Canadian NPRI: This material is listed.
Alberta Designated Substances: This material is not listed.
Ontario Designated Substances: This material is not listed.
Quebec Designated Substances: This material is not listed.

Section 16. Other information

Canada Label requirements : Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2A: Material causing other toxic effects (Very toxic).
Class D-2B: Material causing other toxic effects (Toxic).

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



Section 16. Other information

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Procedure used to derive the classification

Classification	Justification
Skin Irrit. 2, H315	Expert judgment
Eye Irrit. 2A, H319	Expert judgment
Muta. 2, H341	Expert judgment
Carc. 1, H350	Expert judgment
Aquatic Chronic 3, H412	Expert judgment

History

Date of printing : 11/21/2016

Date of issue/Date of revision : 11/21/2016

Date of previous issue : No previous validation

Version : 0.01

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

1 Identification of the substance/mixture and of the supplier

1.1 Product identifier

Trade Name: Alconox
Synonyms:
Product number: 1104-1, 1104, 1125, 1150, 1101, 1103, 1112-1, 1112

1.2 Application of the substance / the mixture : Cleaning material/Detergent

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer
Alconox, Inc.
30 Glenn Street
White Plains, NY 10603
1-914-948-4040

Supplier

Emergency telephone number:
ChemTel Inc
North America: 1-800-255-3924
International: 01-813-248-0585

2 Hazards identification

2.1 Classification of the substance or mixture:

In compliance with EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments.

Hazard-determining components of labeling:
Tetrasodium Pyrophosphate
Sodium tripolyphosphate
Sodium Alkylbenzene Sulfonate

2.2 Label elements:

Skin irritation, category 2.
Eye irritation, category 2A.

Hazard pictograms:



Signal word: Warning

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Additional information: None.

Hazard description

Hazards Not Otherwise Classified (HNOC): None

Information concerning particular hazards for humans and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system:

The classification is according to EC regulation No. 1272/2008, 29CFR1910/1200 and GHS Rev. 3 and amendments, and extended by company and literature data. The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

3 Composition/information on ingredients

3.1 Chemical characterization : None

3.2 Description : None

3.3 Hazardous components (percentages by weight)

Identification	Chemical Name	Classification	Wt. %
CAS number: 7758-29-4	Sodium tripolyphosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	12-28
CAS number: 68081-81-2	Sodium Alkylbenzene Sulfonate	Acute Tox. 4; H303 Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	8-22
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	Skin Irrit. 2 ; H315 Eye Irrit. 2; H319	2-16

3.4 Additional Information : None.

4 First aid measures

4.1 Description of first aid measures

General information: None.

After inhalation:

Maintain an unobstructed airway.

Loosen clothing as necessary and position individual in a comfortable position.

After skin contact:

Wash affected area with soap and water.

Seek medical attention if symptoms develop or persist.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Seek medical attention if irritation persists or if concerned.

After swallowing:

Rinse mouth thoroughly.

Seek medical attention if irritation, discomfort, or vomiting persists.

4.2 Most important symptoms and effects, both acute and delayed

None

4.3 Indication of any immediate medical attention and special treatment needed:

No additional information.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

For safety reasons unsuitable extinguishing agents : None

5.2 Special hazards arising from the substance or mixture :

Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

Protective equipment:

Wear protective eye wear, gloves and clothing.
Refer to Section 8.

5.4 Additional information :

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.
Avoid contact with skin, eyes and clothing.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

Ensure adequate ventilation.
Ensure air handling systems are operational.

6.2 Environmental precautions :

Should not be released into the environment.
Prevent from reaching drains, sewer or waterway.

6.3 Methods and material for containment and cleaning up :

Wear protective eye wear, gloves and clothing.

6.4 Reference to other sections : None

7 Handling and storage

7.1 Precautions for safe handling :

Avoid breathing mist or vapor.
Do not eat, drink, smoke or use personal products when handling chemical substances.

7.2 Conditions for safe storage, including any incompatibilities :

Store in a cool, well-ventilated area.

7.3 Specific end use(s):

No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

8 Exposure controls/personal protection





8.1 Control parameters :

a) 7722-88-5, Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3

b) Dusts, non-specific OEL, Irish Code of Practice

(i) Total inhalable 10 mg/m3 (8hr)

(ii) Respirible 4mg/m3 (8hr)

(iii) Tetrasodium Pyrophosphate, OSHA TWA 5 mg/m3, (8hr)

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Respiratory protection:

Not needed under normal use conditions.

Protection of skin:

Select glove material impermeable and resistant to the substance or preparation. Protective gloves recommended to comply with EN 374. Take note of break through times, permeability, and special workplace conditions, such as mechanical strain, duration of contact, etc. Protective gloves should be replaced at the first sign of wear.

Eye protection:

Safety goggles or glasses, or appropriate eye protection. Recommended to comply with ANSI Z87.1 and/or EN 166.

General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

9 Physical and chemical properties

Appearance (physical state, color):	White and cream colored flakes - powder	**Explosion limit lower:** **Explosion limit upper:**	Not determined or not available. Not determined or not available.
Odor:	Not determined or not available.	**Vapor pressure at 20°C:**	Not determined or not available.
Odor threshold:	Not determined or not available.	**Vapor density:**	Not determined or not available.
pH-value:	9.5 (aqueous solution)	**Relative density:**	Not determined or not available.
Melting/Freezing point:	Not determined or not available.	**Solubilities:**	Not determined or not available.
Boiling point/Boiling range:	Not determined or not available.	**Partition coefficient (n-octanol/water):**	Not determined or not available.
Flash point (closed cup):	Not determined or not available.	**Auto/Self-ignition temperature:**	Not determined or not available.
Evaporation rate:	Not determined or not available.	**Decompositio n**	Not determined or not available.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Flammability (solid, gaseous):	Not determined or not available.	**Viscosity**:	a. Kinematic: Not determined or not available. b. Dynamic: Not determined or not available.
Density at 20°C:	Not determined or not available.		

10 Stability and reactivity

10.1 Reactivity : None

10.2 Chemical stability : None

10.3 Possibility hazardous reactions : None

10.4 Conditions to avoid : None

10.5 Incompatible materials : None

10.6 Hazardous decomposition products : None

11 Toxicological information

11.1 Information on toxicological effects :

Acute Toxicity:

Oral:

: LD50 > 5000 mg/kg oral rat - Product .

Chronic Toxicity: No additional information.

Skin corrosion/irritation:

Sodium Alkylbenzene Sulfonate: Causes skin irritation. .

Serious eye damage/irritation:

Sodium Alkylbenzene Sulfonate: Causes serious eye irritation .

Tetrasodium Pyrophosphate: Rabbit - Risk of serious damage to eyes .

Respiratory or skin sensitization: No additional information.

Carcinogenicity: No additional information.

IARC (International Agency for Research on Cancer): None of the ingredients are listed.

NTP (National Toxicology Program): None of the ingredients are listed.

Germ cell mutagenicity: No additional information.

Reproductive toxicity: No additional information.

STOT-single and repeated exposure: No additional information.

Additional toxicological information: No additional information.

12 Ecological information

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

12.1 Toxicity:

Sodium Alkylbenzene Sulfonate: Fish, LC50 1.67 mg/l, 96 hours.
Sodium Alkylbenzene Sulfonate: Aquatic invertebrates, EC50 Daphnia 2.4 mg/l, 48 hours. Sodium Alkylbenzene Sulfonate: Aquatic Plants, EC50 Algae 29 mg/l, 96 hours.
Tetrasodium Pyrophosphate: Fish, LC50 - other fish - 1,380 mg/l - 96 h.
Tetrasodium Pyrophosphate: Aquatic invertebrates, EC50 - Daphnia magna (Water flea) - 391 mg/l - 48 h.

12.2 Persistence and degradability: No additional information.

12.3 Bioaccumulative potential: No additional information.

12.4 Mobility in soil: No additional information.

General notes: No additional information.

12.5 Results of PBT and vPvB assessment:

PBT: No additional information.

vPvB: No additional information.

12.6 Other adverse effects: No additional information.

13 Disposal considerations

13.1 Waste treatment methods (consult local, regional and national authorities for proper disposal)

Relevant Information:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

14 Transport information

14.1 UN Number: ADR, ADN, DOT, IMDG, IATA	None
14.2 UN Proper shipping name: ADR, ADN, DOT, IMDG, IATA	None
14.3 Transport hazard classes: ADR, ADN, DOT, IMDG, IATA	**Class:** None **Label:** None **LTD.QTY:** None

US DOT

Limited Quantity Exception: None

Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Non Bulk:
RQ (if applicable): None
Proper shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant (if applicable): No additional information.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Comments: None	**Comments:** None
14.4 Packing group: ADR, ADN, DOT, IMDG, IATA	None
14.5 Environmental hazards :	None
14.6 Special precautions for user:	None
Danger code (Kemler):	None
EMS number:	None
Segregation groups:	None
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.	
14.8 Transport/Additional information:	
Transport category:	None
Tunnel restriction code:	None
UN "Model Regulation":	None

15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture.

North American

SARA

Section 313 (specific toxic chemical listings): None of the ingredients are listed.
Section 302 (extremely hazardous substances): None of the ingredients are listed.

CERCLA (Comprehensive Environmental Response, Clean up and Liability Act) Reportable

Spill Quantity: None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

Inventory: All ingredients are listed.
Rules and Orders: Not applicable.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients are listed.

Chemicals known to cause developmental toxicity: None of the ingredients are listed.

Canadian

Canadian Domestic Substances List (DSL):
All ingredients are listed.

EU

REACH Article 57 (SVHC): None of the ingredients are listed.

Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), 29CFR1910/1200 and GHS Rev. 3

Effective date: 10.18.2017 **Revision**: 10.18.2017

Trade Name: Alconox

Germany MAK: Not classified.
EC 648/2004 – This is an industrial detergent. Contains >30% phosphate, 15-30% anionic surfactant, <5% EDTA salts
EC 551/2009 – This is not a laundry or dishwasher detergent
EC 907/2006 – Contains no enzymes, optical brighteners, perfumes, allergenic fragrances, or preservative agents

Asia Pacific

Australia

Australian Inventory of Chemical Substances (AICS): All ingredients are listed.

China

Inventory of Existing Chemical Substances in China (IECSC): All ingredients are listed.

Japan

Inventory of Existing and New Chemical Substances (ENCS): All ingredients are listed.

Korea

Existing Chemicals List (ECL): All ingredients are listed.

New Zealand

New Zealand Inventory of Chemicals (NZOIC): All ingredients are listed.

Philippines

Philippine Inventory of Chemicals and Chemical Substances (PICCS): All ingredients are listed.

Taiwan

Taiwan Chemical Substance Inventory (TSCI): All ingredients are listed.

16 Other information

Abbreviations and Acronyms: None

Summary of Phrases

Hazard statements:
H315 Causes skin irritation.
H319 Causes serious eye irritation.

NFPA: 1-0-0
HMIS: 1-0-0

Precautionary statements:
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 If on skin: Wash with soap and water.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.
P501 Dispose of contents and container as instructed in Section 13.

Manufacturer Statement:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Appendix D

Community Air Monitoring Plan (CAMP) Reports

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Monday, December 5, 2022 – Friday, December 9, 2022

PREPARED BY	Nick Krasnecky

General Notes: Community air monitoring for the installation of three structural piles in the southeast corner of the site. The pile installation was conducted on December 6, 2022, and during the morning of December 7, 2022.

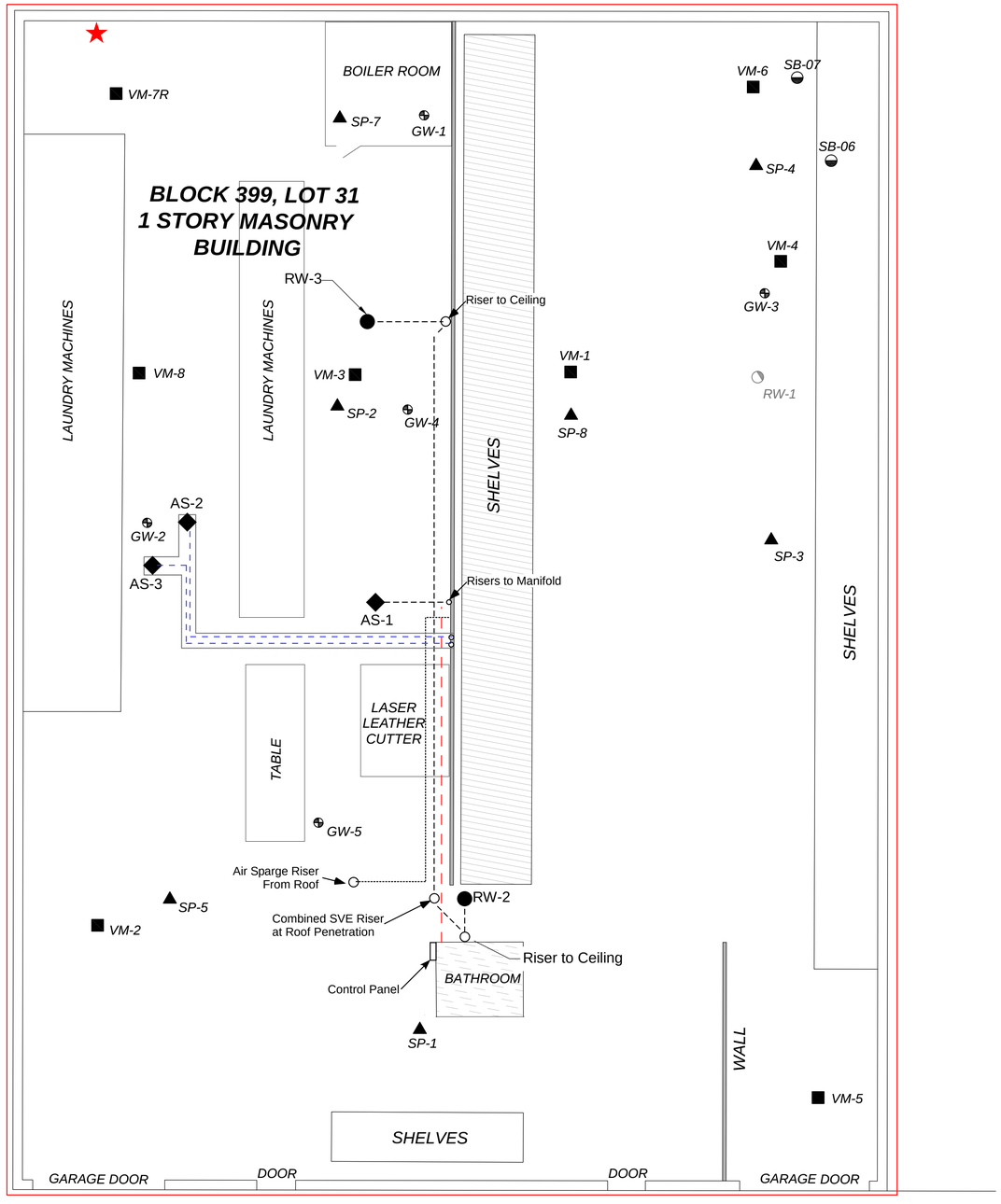
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast of Site – On Sidewalk

- Set-up onsite to gather site data for VOCs and particulates during the installation of three structural piles in the southeast corner of the site on December 6 and 7, 2022.
  - The PID only logged data on December 6, 2022.
  - PID readings were manually recorded approximately every hour during intrusive work. All PID reading at the northeast station were 0.0 ppm on both December 6 and 7, 2022.
  - No exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Southwest	Southwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates during the installation of three structural piles at the southeast corner of the site.
  - The PID did not log data on both December 6 and 7, 2022.
  - All manually recorded PID readings were 0.0 or 0.1 PPM on both December 6 and 7, 2022, with a one-time maximum reading of 0.2 PPM on December 7, 2022, at 9:28 AM.
  - Exceedances were reported on December 6, 2022, above the 150µg/m^3 above background concentration limit from 12:57 thru 14:09. **No visible dust was observed at any time leaving the Site or at the Southwest Corner Station.** Precipitation began around 12:10 and it is likely that the exceedances were due to a build-up of mist/rain/condensation in and around the dust meter. The dust meter was protected from the precipitation at 14:00 and the PM10 readings returned to prior concentrations observed before the precipitation began.
  - No exceedances were reported during monitoring on December 7, 2022.
  - Collected data was monitored against background data and limits set forth in the CAMP.



PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 12-13-2022
DES: NK	DATE: 12-13-2022
CHK: NK	DATE: 12-13-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:30	--	--	0.0	--	START CAMP Monitoring
7:31	--	--	--	--	
7:32	--	--	--	--	
7:33	--	--	--	--	
7:34	--	--	--	--	
7:35	--	--	--	--	
7:36	--	--	--	--	
7:37	--	--	--	--	
7:38	--	--	--	--	
7:39	--	--	--	--	
7:40	--	--	--	--	
7:41	--	--	--	--	
7:42	--	--	--	--	
7:43	0.0	30.87	--	23.67	
7:44	0.0	31.47	--	25.53	
7:45	0.0	32.13	--	38.80	
7:46	0.0	32.93	--	43.40	
7:47	0.0	33.47	--	45.47	
7:48	0.0	33.93	--	48.40	
7:49	0.0	34.40	--	50.40	
7:50	0.0	34.67	--	51.80	
7:51	0.0	35.00	--	52.73	
7:52	0.0	35.67	--	53.33	
7:53	0.0	35.93	--	54.33	
7:54	0.0	35.87	--	55.40	
7:55	0.0	36.13	--	56.20	
7:56	0.0	36.67	--	56.47	
7:57	0.0	37.60	--	55.20	
7:58	0.0	38.13	--	53.80	
7:59	0.0	39.20	--	40.20	
8:00	0.0	39.87	--	35.73	
8:01	0.0	40.53	--	34.40	
8:02	0.0	41.47	--	32.33	
8:03	0.0	41.93	--	30.87	
8:04	0.0	42.40	--	30.33	
8:05	0.0	43.20	--	29.93	
8:06	0.0	43.20	--	29.80	
8:07	0.0	43.60	--	29.33	
8:08	0.0	43.87	--	28.80	
8:09	0.0	44.27	--	28.87	
8:10	0.0	44.33	--	28.60	
8:11	0.0	43.93	--	28.60	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:12	0.0	43.53	--	28.67	
8:13	0.0	43.07	--	28.40	
8:14	0.0	42.87	--	29.13	
8:15	0.0	42.13	--	29.27	
8:16	0.0	41.40	--	29.00	
8:17	0.0	41.20	--	28.47	
8:18	0.0	40.80	--	28.33	
8:19	0.0	40.20	--	28.20	
8:20	0.0	40.53	--	28.40	
8:21	0.0	40.60	--	28.67	
8:22	0.0	40.87	--	29.27	
8:23	0.0	41.13	--	29.47	
8:24	0.0	41.47	--	29.73	
8:25	0.0	42.00	--	29.67	
8:26	0.0	42.53	--	29.40	
8:27	0.0	43.07	--	30.47	
8:28	0.0	43.73	--	30.40	
8:29	0.0	44.33	--	30.07	
8:30	0.0	44.60	--	30.33	
8:31	0.0	44.73	--	30.80	
8:32	0.0	45.13	--	30.80	
8:33	0.0	45.60	--	30.73	
8:34	0.0	45.67	--	30.40	
8:35	0.0	45.93	--	30.40	
8:36	0.0	45.87	--	30.20	
8:37	0.0	45.80	0.0	30.00	
8:38	0.0	45.67	--	30.20	
8:39	0.0	45.40	--	31.00	
8:40	0.0	45.20	--	31.40	
8:41	0.0	45.60	--	30.13	
8:42	0.0	45.33	--	30.33	
8:43	0.0	45.40	--	30.40	
8:44	0.0	45.40	--	30.33	
8:45	0.0	45.40	--	30.13	
8:46	0.0	45.53	--	30.47	
8:47	0.0	45.33	--	30.73	
8:48	0.0	45.40	--	31.33	
8:49	0.0	45.20	--	31.80	
8:50	0.0	45.40	--	32.00	
8:51	0.0	45.47	--	32.33	
8:52	0.0	45.73	--	32.47	
8:53	0.0	45.67	--	32.33	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:54	0.0	45.67	--	32.93	
8:55	0.0	45.27	--	33.93	
8:56	0.0	45.20	--	33.47	
8:57	0.0	45.27	--	33.60	
8:58	0.0	45.13	--	33.73	
8:59	0.0	45.33	--	33.87	
9:00	0.0	45.33	--	33.80	
9:01	0.0	45.20	--	34.00	
9:02	0.0	45.53	--	33.80	
9:03	0.0	45.67	--	33.53	
9:04	0.0	45.87	--	33.27	
9:05	0.0	46.00	--	32.93	
9:06	0.0	45.73	--	33.40	
9:07	0.0	45.80	--	33.73	
9:08	0.0	45.80	--	33.27	
9:09	0.0	45.47	--	32.93	
9:10	0.0	45.13	--	32.80	
9:11	0.0	45.33	--	32.80	
9:12	0.0	45.53	--	32.53	
9:13	0.0	45.27	--	32.73	
9:14	0.0	44.87	--	33.00	
9:15	0.0	44.93	--	32.73	
9:16	0.0	43.87	--	32.73	
9:17	0.0	43.47	--	32.47	
9:18	0.0	42.93	--	32.47	
9:19	0.0	42.80	--	32.53	
9:20	0.0	42.73	--	32.00	
9:21	0.0	43.00	--	31.13	
9:22	0.0	43.27	--	31.20	
9:23	0.0	43.20	--	31.20	
9:24	0.0	43.27	--	31.20	
9:25	0.0	42.87	--	33.20	
9:26	0.0	42.33	--	34.67	
9:27	0.0	42.73	--	34.73	
9:28	0.0	43.20	--	35.00	
9:29	0.0	43.40	--	36.27	
9:30	0.0	44.27	--	36.53	
9:31	0.0	44.27	0.1	36.80	
9:32	0.0	44.27	--	37.53	
9:33	0.0	44.00	--	37.87	
9:34	0.0	44.07	--	38.20	
9:35	0.0	43.67	--	38.60	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:36	0.0	43.73	--	38.27	
9:37	0.0	44.60	--	38.73	
9:38	0.0	45.20	--	39.00	
9:39	0.0	45.87	--	37.13	
9:40	0.0	46.80	--	35.73	
9:41	0.0	46.87	--	36.33	
9:42	0.0	47.00	--	36.00	
9:43	0.0	47.07	--	34.93	
9:44	0.0	47.00	--	34.80	
9:45	0.0	47.33	--	34.80	
9:46	0.0	47.67	--	34.40	
9:47	0.0	47.93	--	34.47	
9:48	0.0	48.00	--	34.33	
9:49	0.0	48.13	--	34.20	
9:50	0.0	47.87	--	34.87	
9:51	0.0	47.27	--	34.73	
9:52	0.0	46.67	--	35.07	
9:53	0.0	46.13	--	35.20	
9:54	0.0	45.67	--	35.53	
9:55	0.0	45.73	--	35.27	
9:56	0.0	45.67	--	35.20	
9:57	0.0	45.60	--	35.33	
9:58	0.0	45.40	--	35.00	
9:59	0.0	45.47	--	35.07	
10:00	0.0	45.40	--	34.47	
10:01	0.0	45.00	--	33.73	
10:02	0.0	44.73	--	33.00	
10:03	0.0	44.60	--	32.27	
10:04	0.0	44.40	--	31.13	
10:05	0.0	44.27	--	30.20	
10:06	0.0	44.40	--	29.20	
10:07	0.0	44.07	--	28.40	
10:08	0.0	43.87	--	27.13	
10:09	0.0	43.33	--	25.80	
10:10	0.0	43.13	--	24.80	
10:11	0.0	42.60	--	23.47	
10:12	0.0	42.00	--	22.73	
10:13	0.0	41.40	--	21.60	
10:14	0.0	40.87	--	21.00	
10:15	0.0	40.67	--	20.40	
10:16	0.0	40.27	--	19.93	
10:17	0.0	39.80	--	19.40	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:18	0.0	39.27	--	19.13	
10:19	0.0	38.67	--	18.87	
10:20	0.0	38.00	--	18.33	
10:21	0.0	37.33	--	18.07	
10:22	0.0	36.87	--	18.27	
10:23	0.0	36.13	--	18.20	
10:24	0.0	35.13	--	18.13	
10:25	0.0	34.80	--	18.27	
10:26	0.0	34.80	--	18.20	
10:27	0.0	34.93	--	18.13	
10:28	0.0	34.93	--	18.13	
10:29	0.0	35.20	--	18.13	
10:30	0.0	35.40	--	18.20	
10:31	0.0	35.53	--	18.33	
10:32	0.0	35.40	--	18.40	
10:33	0.0	35.27	--	18.40	
10:34	0.0	35.33	--	18.60	
10:35	0.0	35.27	0.1	18.47	
10:36	0.0	35.33	--	18.40	
10:37	0.0	35.80	--	18.47	
10:38	0.0	36.13	--	18.47	
10:39	0.0	36.13	--	18.60	
10:40	0.0	35.80	--	18.73	
10:41	0.0	35.13	--	18.73	
10:42	0.0	34.33	--	18.80	
10:43	0.0	33.33	--	18.73	
10:44	0.0	32.27	--	18.67	
10:45	0.0	31.53	--	18.67	
10:46	0.0	31.07	--	18.47	
10:47	0.0	30.60	--	18.67	
10:48	0.0	29.93	--	18.73	
10:49	0.0	29.47	--	18.87	
10:50	0.0	28.73	--	18.80	
10:51	0.0	27.73	--	18.53	
10:52	0.0	27.07	--	18.60	
10:53	0.0	26.47	--	18.47	
10:54	0.0	25.93	--	18.33	
10:55	0.0	25.53	--	18.33	
10:56	0.0	25.47	--	18.20	
10:57	0.0	25.27	--	18.40	
10:58	0.0	25.47	--	18.53	
10:59	0.0	25.20	--	18.53	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:00	0.0	25.20	--	18.60	
11:01	0.0	25.13	--	18.40	
11:02	0.0	24.93	--	18.47	
11:03	0.0	24.87	--	18.60	
11:04	0.0	24.87	--	18.67	
11:05	0.0	24.87	--	18.93	
11:06	0.0	24.93	--	18.93	
11:07	0.0	24.93	--	18.93	
11:08	0.0	24.87	--	19.00	
11:09	0.0	24.80	--	18.93	
11:10	0.0	24.73	--	18.93	
11:11	0.0	24.93	--	18.60	
11:12	0.0	24.87	--	18.47	
11:13	0.0	25.00	--	18.67	
11:14	0.0	25.13	--	18.73	
11:15	0.0	25.20	--	18.67	
11:16	0.0	25.33	--	18.53	
11:17	0.0	25.47	--	18.33	
11:18	0.0	25.47	--	18.33	
11:19	0.0	25.33	--	18.47	
11:20	0.0	25.33	--	18.53	
11:21	0.0	25.40	--	18.73	
11:22	0.0	25.47	--	18.93	
11:23	0.0	25.73	--	19.00	
11:24	0.0	25.93	--	19.13	
11:25	0.0	25.87	--	19.47	
11:26	0.0	25.80	--	19.53	
11:27	0.0	25.80	--	19.40	
11:28	0.0	25.87	--	19.53	
11:29	0.0	25.93	--	19.67	
11:30	0.0	25.93	--	19.80	
11:31	0.0	25.87	--	20.00	
11:32	0.0	25.93	--	20.07	
11:33	0.0	26.27	--	20.07	
11:34	0.0	26.20	--	19.93	
11:35	0.0	26.27	--	20.67	
11:36	0.0	26.53	--	21.87	
11:37	0.0	26.33	--	22.67	
11:38	0.0	26.20	0.1	23.00	
11:39	0.0	26.33	--	22.93	
11:40	0.0	26.47	--	23.13	
11:41	0.0	26.73	--	23.33	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:42	0.0	26.47	--	23.33	
11:43	0.0	26.73	--	23.53	
11:44	0.0	26.73	--	23.73	
11:45	0.0	26.73	--	25.53	
11:46	0.0	26.93	--	28.80	
11:47	0.0	26.87	--	30.60	
11:48	0.0	27.07	--	31.07	
11:49	0.0	27.20	--	30.67	
11:50	0.0	27.07	--	29.60	
11:51	0.0	27.27	--	29.07	
11:52	0.0	27.40	--	29.13	
11:53	0.0	27.40	--	29.27	
11:54	0.0	27.53	--	29.20	
11:55	0.0	27.93	--	29.27	
11:56	0.0	28.80	--	29.33	
11:57	0.0	28.80	--	29.27	
11:58	0.0	29.20	--	29.40	
11:59	0.0	29.40	--	27.60	
12:00	0.0	29.40	--	24.40	Intrusive Work Begins
12:01	0.0	29.47	--	22.60	
12:02	0.0	29.47	--	22.27	
12:03	0.0	29.47	--	22.13	
12:04	0.0	29.33	--	22.00	
12:05	0.0	29.27	--	21.93	
12:06	0.0	29.27	--	21.53	
12:07	0.0	29.20	--	21.47	
12:08	0.0	29.07	--	21.67	
12:09	0.0	28.67	--	21.73	
12:10	0.0	27.93	--	21.80	Rain Begins
12:11	0.0	27.73	--	22.00	
12:12	0.0	27.40	--	21.73	
12:13	0.0	27.33	--	21.80	
12:14	0.0	27.33	--	21.87	
12:15	0.0	27.27	--	22.07	
12:16	0.0	27.27	--	22.27	
12:17	0.0	27.07	--	22.13	
12:18	0.0	27.33	--	22.07	
12:19	0.0	27.40	--	22.20	
12:20	0.0	27.47	--	22.40	
12:21	0.0	27.40	--	22.60	
12:22	0.0	27.33	--	22.27	
12:23	0.0	27.20	--	22.20	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:24	0.0	27.27	--	22.20	
12:25	0.0	27.13	--	21.87	
12:26	0.0	27.27	--	21.93	
12:27	0.0	27.27	--	21.87	
12:28	0.0	27.33	--	22.00	
12:29	0.0	27.40	--	21.87	
12:30	0.0	27.27	--	21.87	
12:31	0.0	27.40	--	21.80	
12:32	0.0	27.47	--	21.80	
12:33	0.0	27.33	--	21.67	
12:34	0.0	27.27	--	21.53	
12:35	0.0	27.33	--	21.47	
12:36	0.0	27.40	--	21.53	
12:37	0.0	27.27	--	21.40	
12:38	0.0	27.20	--	21.40	
12:39	0.0	27.20	--	21.53	
12:40	0.0	27.13	--	21.27	
12:41	0.0	27.27	--	21.47	
12:42	0.0	27.20	--	21.53	
12:43	0.0	27.13	--	21.67	
12:44	0.0	27.33	--	21.87	
12:45	0.0	27.33	--	21.93	
12:46	0.0	27.13	--	22.13	
12:47	0.0	27.20	--	22.93	
12:48	0.0	27.33	--	23.80	
12:49	0.0	27.33	--	24.87	
12:50	0.0	27.33	--	27.73	
12:51	0.0	27.53	--	49.87	
12:52	0.0	27.80	--	72.93	
12:53	0.0	28.13	--	96.80	
12:54	0.0	28.40	--	123.00	
12:55	0.0	28.40	--	151.27	
12:56	0.0	28.60	--	167.53	
12:57	0.0	28.80	--	184.20	
12:58	0.0	29.07	--	198.87	Exceedance noted. No visible dust present. Air compressor exhaust in combination with precipitation determined to be impacting PM10 readings.
12:59	0.0	29.60	--	214.00	
13:00	0.0	30.33	--	233.27	
13:01	0.0	30.87	--	245.87	
13:02	0.0	31.33	--	268.67	
13:03	0.0	32.47	0.1	290.47	
13:04	0.0	33.33	--	304.87	
13:05	0.0	34.60	--	300.80	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:06	0.0	34.67	--	297.80	
13:07	0.0	34.80	--	294.80	
13:08	0.0	35.47	--	292.80	
13:09	0.0	36.00	--	279.47	
13:10	0.0	36.00	--	280.27	
13:11	0.0	36.80	--	277.73	
13:12	0.0	37.13	--	282.53	
13:13	0.0	37.07	--	280.13	
13:14	0.0	36.73	--	277.13	
13:15	0.0	39.87	--	284.73	
13:16	0.0	39.73	--	285.33	
13:17	0.0	39.00	--	276.13	
13:18	0.0	38.53	--	272.47	
13:19	0.0	37.60	--	272.13	
13:20	0.0	37.53	--	266.27	
13:21	0.0	37.27	--	263.40	
13:22	0.0	37.33	--	262.20	
13:23	0.0	37.80	--	263.87	
13:24	0.0	37.93	--	272.60	
13:25	0.0	37.07	--	280.87	
13:26	0.0	36.40	--	279.67	
13:27	0.0	36.47	--	284.47	
13:28	0.0	37.00	--	277.07	
13:29	0.0	33.47	--	273.33	
13:30	0.0	36.33	--	259.00	
13:31	0.0	37.60	--	257.20	
13:32	0.0	37.47	--	256.27	
13:33	0.0	37.47	--	261.00	
13:34	0.0	37.60	--	261.33	
13:35	0.0	37.53	--	255.67	
13:36	0.0	37.60	--	245.47	
13:37	0.0	37.33	--	242.40	
13:38	0.0	37.20	--	229.40	
13:39	0.0	37.33	--	220.20	
13:40	0.0	37.80	--	210.27	
13:41	0.0	37.47	--	208.07	
13:42	0.0	37.40	--	210.87	
13:43	0.0	37.20	--	212.33	
13:44	0.0	34.27	--	216.67	
13:45	0.0	32.40	--	212.93	
13:46	0.0	31.87	--	212.47	
13:47	0.0	31.13	--	202.60	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:48	0.0	30.67	--	201.00	
13:49	0.0	30.40	--	205.27	
13:50	0.0	29.27	--	214.27	
13:51	0.0	28.13	--	216.07	
13:52	0.0	27.40	--	225.00	
13:53	0.0	26.73	--	231.00	
13:54	0.0	26.13	--	237.13	
13:55	0.0	25.67	--	237.00	
13:56	0.0	24.47	--	238.00	
13:57	0.0	24.40	--	232.87	
13:58	0.0	24.40	--	239.20	
13:59	0.0	25.33	--	246.27	
14:00	0.0	26.93	--	247.53	PM10 Units Covered to protect from precipitation. PM10 readings immediately begin to decrease.
14:01	0.0	28.13	--	246.00	
14:02	0.0	28.33	--	246.47	
14:03	0.0	28.40	--	250.93	
14:04	0.0	28.33	--	245.33	
14:05	0.0	27.73	--	239.67	
14:06	0.0	27.60	--	228.40	
14:07	0.0	28.00	--	213.93	
14:08	0.0	28.60	--	199.80	
14:09	0.0	29.07	--	184.67	
14:10	0.0	29.07	--	171.60	
14:11	0.0	28.93	--	157.67	
14:12	0.0	28.47	--	136.93	
14:13	0.0	27.67	--	121.40	
14:14	0.0	26.73	--	107.53	
14:15	0.0	25.73	--	96.47	
14:16	0.0	25.67	--	82.87	
14:17	0.0	25.60	--	62.33	
14:18	0.0	25.47	--	46.67	
14:19	0.0	25.93	--	36.73	
14:20	0.0	26.13	--	25.73	
14:21	0.0	25.73	--	20.53	
14:22	0.0	24.53	--	19.60	
14:23	0.0	24.07	--	19.27	
14:24	0.0	23.73	--	19.20	
14:25	0.0	23.73	--	19.53	
14:26	0.0	23.40	--	19.13	
14:27	0.0	23.20	0.1	19.27	
14:28	0.0	22.40	--	19.53	
14:29	0.0	22.47	--	19.33	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:30	0.0	21.93	--	19.13	
14:31	0.0	21.60	--	18.20	
14:32	0.0	21.53	--	17.47	
14:33	0.0	21.73	--	17.93	
14:34	0.0	21.67	--	18.53	
14:35	0.0	22.00	--	18.93	
14:36	0.0	22.27	--	19.13	
14:37	0.0	22.27	--	19.33	
14:38	0.0	22.67	--	19.47	
14:39	0.0	22.53	--	19.60	
14:40	0.0	23.07	--	20.33	
14:41	0.0	23.40	--	20.20	
14:42	0.0	23.67	--	20.20	
14:43	0.0	23.47	--	20.47	
14:44	0.0	24.33	--	20.87	
14:45	0.0	24.87	--	21.40	
14:46	0.0	25.13	--	22.00	
14:47	0.0	25.53	--	21.60	
14:48	0.0	25.80	--	21.13	
14:49	0.0	25.80	--	21.13	
14:50	0.0	26.33	--	21.20	
14:51	0.0	26.40	--	21.07	
14:52	0.0	26.27	--	21.20	
14:53	0.0	26.53	--	21.07	
14:54	0.0	26.13	--	20.93	
14:55	0.0	26.00	--	21.20	
14:56	0.0	25.93	--	21.27	
14:57	0.0	25.87	--	21.27	
14:58	0.0	25.27	--	21.13	
14:59	0.0	25.27	--	21.00	
15:00	0.0	25.40	--	20.60	
15:01	0.0	25.07	--	20.47	
15:02	0.0	25.27	--	20.60	
15:03	0.0	25.53	--	20.33	
15:04	0.0	25.40	--	20.33	
15:05	0.0	25.60	--	20.47	
15:06	0.0	26.00	--	20.60	
15:07	0.0	26.27	--	20.40	
15:08	0.0	26.47	--	20.27	
15:09	0.0	26.40	--	20.07	
15:10	0.0	26.40	--	21.13	
15:11	0.0	26.53	--	21.13	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
15:12	0.0	26.53	--	20.73	
15:13	0.0	26.27	--	20.13	
15:14	0.0	26.40	--	19.87	
15:15	0.0	26.53	--	19.80	
15:16	0.0	26.53	--	19.60	
15:17	0.0	26.20	--	19.93	
15:18	0.0	26.53	--	19.60	
15:19	0.0	26.33	--	19.47	
15:20	0.0	26.13	--	18.93	
15:21	0.0	25.93	--	19.07	
15:22	0.0	25.80	--	19.20	
15:23	0.0	25.60	0.1	19.13	
15:24	0.0	25.60	--	18.00	
15:25	0.0	25.60	--	18.00	
15:26	0.0	25.67	--	18.47	
15:27	0.0	25.80	--	18.87	
15:28	0.0	25.33	--	18.87	
15:29	0.0	25.33	--	19.27	
15:30	0.0	25.53	--	20.60	
15:31	0.0	25.73	--	20.40	
15:32	0.0	25.00	--	20.80	
15:33	0.0	24.93	--	20.80	
15:34	0.0	25.20	--	21.27	
15:35	0.0	25.13	--	21.07	
15:36	0.0	25.33	--	20.87	
15:37	0.0	25.27	--	20.67	
15:38	0.0	24.87	--	20.80	
15:39	0.0	24.73	--	20.60	
15:40	0.0	24.80	--	20.53	
15:41	0.0	25.27	--	20.47	
15:42	0.0	25.20	--	21.00	
15:43	0.0	24.67	--	20.67	
15:44	0.0	24.00	--	19.20	
15:45	0.0	23.73	--	19.27	
15:46	0.0	23.80	--	19.27	
15:47	0.0	23.73	--	19.20	
15:48	0.0	23.20	--	19.33	
15:49	0.0	23.07	--	19.47	
15:50	0.0	22.80	--	19.93	
15:51	0.0	23.00	--	20.07	
15:52	0.0	23.27	--	20.93	
15:53	0.0	23.67	--	21.40	

CAMP Monitoring - 12/6/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) (µg/m^3)	VOC (ppm)	PM10 (Avg15) (µg/m^3)	
15:54	0.0	23.27	--	21.13	
15:55	0.0	22.73	--	20.93	
15:56	0.0	22.67	--	20.40	
15:57	0.0	22.87	--	19.93	
15:58	0.0	22.93	--	19.87	
15:59	0.0	22.87	--	19.47	
16:00	0.0	22.80	--	19.20	Intrusive Work Completed for the Day
16:01	0.0	22.80	--	19.20	
16:02	0.0	22.87	--	18.67	
16:03	0.0	22.60	--	18.47	
16:04	0.0	22.47	--	17.73	
16:05	0.0	22.40	--	17.53	
16:06	0.0	22.67	--	16.20	
16:07	0.0	22.20	--	15.40	
16:08	0.0	22.33	--	15.47	
16:09	0.0	22.27	--	15.60	
16:10	0.0	22.87	--	15.73	
16:11	0.0	22.93	--	16.07	
16:12	0.0	23.07	--	16.20	
16:13	0.0	23.07	--	16.13	
16:14	0.0	23.27	--	16.07	
16:15	0.0	23.13	--	16.13	
16:16	0.0	23.20	--	16.27	
16:17	0.0	23.20	0.1	16.13	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

CAMP Monitoring - 12/7/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:43	0.0	--	0.0	--	START CAMP Monitoring
7:44	--	--	--	--	
7:45	--	--	--	--	
7:46	--	--	--	--	
7:47	--	--	--	--	
7:48	--	--	--	--	
7:49	--	--	--	--	
7:50	--	--	--	--	
7:51	--	--	--	--	
7:52	--	--	--	--	
7:53	--	--	--	--	
7:54	--	--	--	--	
7:55	--	--	--	--	
7:56	--	24.47	--	29.47	
7:57	--	23.87	--	29.40	
7:58	--	23.27	--	29.60	
7:59	--	23.60	--	29.87	
8:00	--	23.87	--	30.13	
8:01	--	24.53	--	29.80	
8:02	--	25.53	--	29.93	
8:03	--	26.53	--	30.00	
8:04	--	27.87	--	30.00	
8:05	--	29.20	--	30.40	
8:06	--	30.67	--	31.87	
8:07	--	31.73	--	32.60	Instrusive Work Begins
8:08	--	32.60	--	32.60	
8:09	--	34.00	--	32.73	
8:10	--	35.40	--	33.73	
8:11	--	36.67	--	33.73	
8:12	--	37.20	--	33.80	
8:13	--	37.87	--	34.00	
8:14	--	38.60	--	34.67	
8:15	--	39.40	--	34.87	
8:16	--	40.13	--	34.80	
8:17	--	40.73	--	35.47	
8:18	--	41.40	--	35.67	
8:19	--	42.07	--	35.67	
8:20	--	42.67	--	36.20	
8:21	--	43.13	--	36.87	
8:22	--	44.33	--	37.60	
8:23	--	45.27	--	38.00	

CAMP Monitoring - 12/7/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:24	--	46.13	--	37.67	
8:25	--	46.73	--	37.53	
8:26	--	47.60	--	37.80	
8:27	--	48.07	--	38.60	
8:28	--	48.60	--	39.07	
8:29	--	48.80	--	39.93	
8:30	--	49.27	--	40.60	
8:31	--	49.73	--	41.13	
8:32	--	50.27	--	41.93	
8:33	--	50.87	--	43.00	
8:34	--	51.47	--	43.60	
8:35	--	51.87	--	45.07	
8:36	--	51.87	--	47.33	
8:37	--	52.00	--	48.13	
8:38	--	52.33	--	48.87	
8:39	--	52.80	--	50.00	
8:40	--	53.07	--	51.00	
8:41	--	53.53	--	51.07	
8:42	--	53.67	--	51.47	
8:43	--	54.00	--	51.80	
8:44	--	54.47	--	52.27	
8:45	--	55.27	--	52.07	
8:46	--	55.87	--	52.20	
8:47	--	56.07	--	52.13	
8:48	--	57.20	--	51.67	
8:49	--	57.93	--	50.53	
8:50	--	58.60	--	49.00	
8:51	--	59.73	--	49.00	
8:52	--	60.53	--	49.80	
8:53	0.4	62.20	0.6	50.13	
8:54	--	63.07	--	50.33	
8:55	--	64.40	--	51.47	
8:56	--	65.87	--	53.60	
8:57	--	66.80	--	57.67	
8:58	--	67.47	--	61.00	
8:59	--	68.27	--	64.07	
9:00	--	68.73	--	66.47	
9:01	--	69.53	--	68.33	
9:02	--	69.33	--	68.93	
9:03	--	69.60	--	69.67	
9:04	--	70.13	--	69.93	

CAMP Monitoring - 12/7/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Time	NorthEast Station		SouthWest Station		Notes
	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:05	--	70.20	--	70.67	
9:06	--	70.13	--	71.00	
9:07	--	69.53	--	70.47	
9:08	--	70.53	--	70.47	
9:09	--	70.47	--	69.87	
9:10	--	70.60	--	68.60	
9:11	--	71.47	--	64.73	
9:12	--	72.67	--	62.27	
9:13	--	74.20	--	59.53	
9:14	--	76.73	--	58.07	
9:15	--	81.80	--	56.80	
9:16	--	84.00	--	56.53	
9:17	--	85.07	--	56.73	
9:18	--	86.00	--	56.73	
9:19	--	86.40	--	56.73	
9:20	--	86.67	--	55.73	
9:21	--	86.53	--	56.13	
9:22	--	85.87	--	55.67	
9:23	--	85.67	--	55.47	
9:24	--	85.13	--	54.47	
9:25	0.0	84.00	0.0	53.93	Instrusive Work Completed
9:26	--	82.40	--	53.20	
9:27	--	80.40	--	53.20	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Monday, December 12, 2022 – Tuesday, December 13, 2022

PREPARED BY	Nick Krasnecky

General Notes: Community air monitoring for the excavation recon of structural element for adjacent buildings on the north and west side of the project site. Also, for a small excavation for the installation of a structural element in the northwest corner of the site.

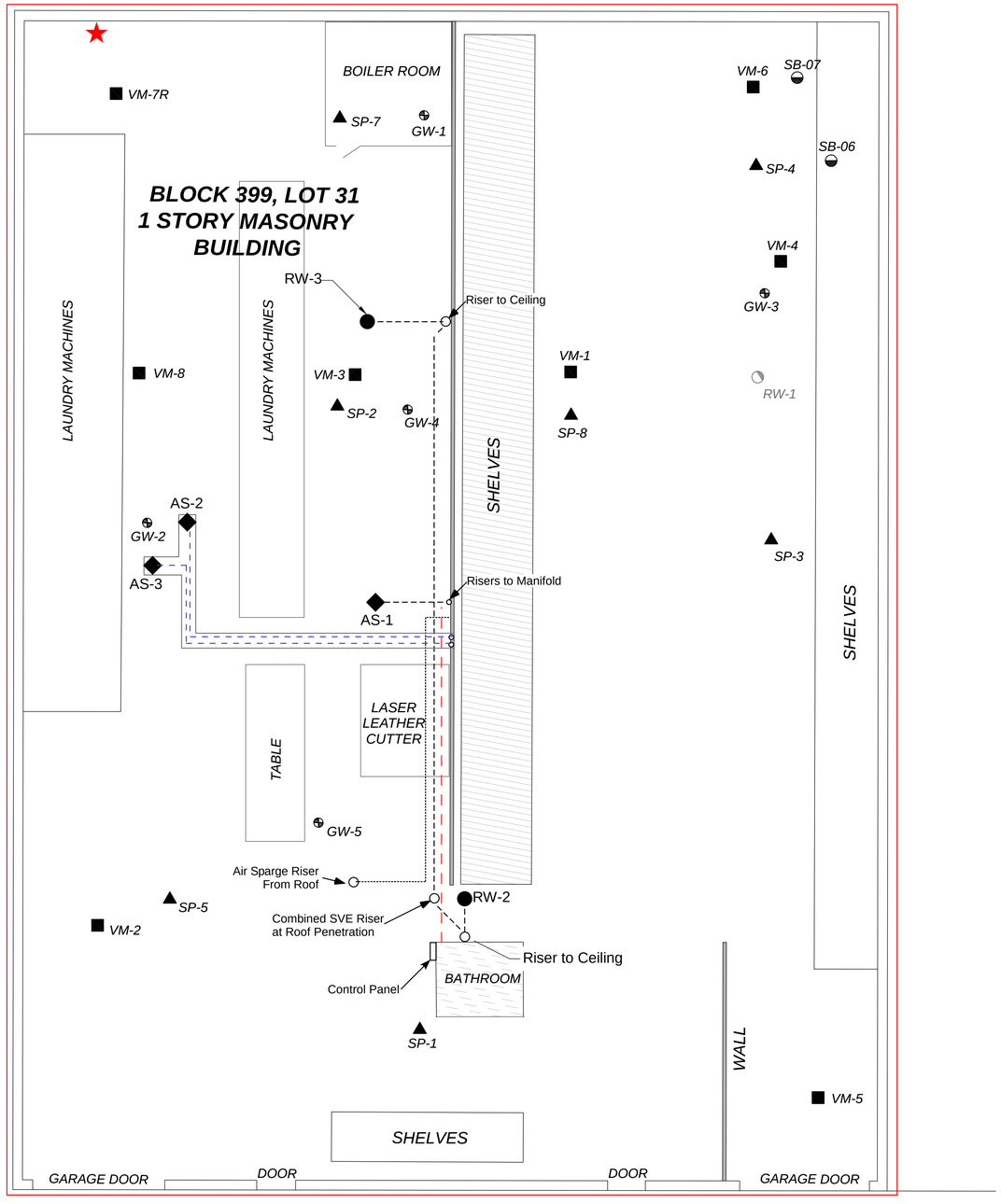
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast of Site – On Sidewalk

- Set-up onsite to gather site data for VOCs and particulates during the installation the excavation of several small recon excavations conducted on Monday December 12, 2022, and for a small excavation for the installation of a structural element on Tuesday December 13, 2022.
    - No exceedances were reported during monitoring.
    - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Southwest	Southwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates during the installation the excavation of several small recon excavations on Monday December 12, 2022, and for a small excavation for the installation of a structural element on Tuesday December 13, 2022.
    - No exceedances were reported during monitoring.
    - Collected data was monitored against background data and limits set forth in the CAMP.



PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

REV	DATE	DESCRIPTION	APP

1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 12-13-2022
DES: NK	DATE: 12-13-2022
CHK: NK	DATE: 12-13-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:14	--	--	--	--	START CAMP Monitoring
8:15	--	--	--	--	
8:16	--	--	--	--	
8:17	--	--	--	--	
8:18	--	--	--	--	
8:19	--	--	--	--	
8:20	--	--	--	--	
8:21	0.0	--	--	--	
8:22	0.0	--	--	--	
8:23	0.0	--	--	--	
8:24	0.0	--	--	--	
8:25	0.0	--	--	--	
8:26	0.0	--	--	--	
8:27	0.0	6.80	--	5.67	
8:28	0.0	6.80	0.0	5.60	
8:29	0.0	6.80	0.0	5.60	
8:30	0.0	6.73	0.0	5.47	
8:31	0.0	6.87	0.0	5.40	
8:32	0.0	6.87	0.0	5.40	
8:33	0.0	6.87	0.0	5.40	
8:34	0.0	7.13	0.0	5.40	
8:35	0.0	7.47	0.0	5.40	
8:36	0.0	7.60	0.0	5.40	
8:37	0.0	7.80	0.0	5.27	
8:38	0.0	7.93	0.0	5.20	
8:39	0.0	8.07	0.0	5.13	
8:40	0.0	8.33	0.0	5.00	
8:41	0.0	8.47	0.0	4.93	
8:42	0.0	8.53	0.0	4.93	
8:43	0.0	8.73	0.0	4.87	
8:44	0.0	8.93	0.0	4.80	
8:45	0.0	8.93	0.0	4.67	
8:46	0.0	9.00	0.0	4.73	
8:47	0.0	9.27	0.0	4.87	
8:48	0.0	9.20	0.0	4.60	
8:49	0.0	9.27	0.0	4.73	
8:50	0.0	9.47	0.0	4.73	
8:51	0.0	9.47	0.1	4.73	
8:52	0.0	9.47	0.1	4.87	
8:53	0.0	9.33	0.1	4.80	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:54	0.0	9.07	0.1	4.80	
8:55	0.0	8.93	0.1	4.60	
8:56	0.0	8.93	0.1	4.47	
8:57	0.0	8.80	0.1	4.47	
8:58	0.0	8.73	0.1	4.47	
8:59	0.0	8.67	0.1	4.53	
9:00	0.0	8.60	0.1	4.40	
9:01	0.0	8.33	0.1	4.13	
9:02	0.0	8.13	0.1	4.07	
9:03	0.0	7.73	0.1	3.93	
9:04	0.0	7.53	0.1	3.80	
9:05	0.0	7.33	0.1	3.80	
9:06	0.0	7.27	0.1	3.60	
9:07	0.0	7.40	0.1	3.53	
9:08	0.0	7.47	0.1	3.47	
9:09	0.0	7.47	0.1	3.47	
9:10	0.0	7.47	0.1	3.40	
9:11	0.0	7.47	0.1	3.27	
9:12	0.0	7.47	0.1	3.27	
9:13	0.0	7.53	0.1	3.33	
9:14	0.0	7.67	0.1	3.27	
9:15	0.0	7.87	0.1	3.47	
9:16	0.0	8.00	0.1	3.53	
9:17	0.0	8.20	0.1	3.53	
9:18	0.0	8.40	0.1	3.53	
9:19	0.0	8.60	0.1	3.47	
9:20	0.0	8.73	0.1	3.73	
9:21	0.0	8.73	0.1	3.80	
9:22	0.0	8.87	0.1	3.87	
9:23	0.0	9.07	0.1	4.00	
9:24	0.0	9.13	0.1	4.00	
9:25	0.0	9.33	0.1	4.13	
9:26	0.0	9.47	0.1	4.13	
9:27	0.0	9.60	0.1	4.07	
9:28	0.0	9.67	0.1	4.00	
9:29	0.0	10.20	0.1	3.87	
9:30	0.0	10.53	0.1	3.87	
9:31	0.0	10.73	0.1	3.73	
9:32	0.0	10.67	0.1	3.73	
9:33	0.0	10.80	0.1	3.80	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:34	0.0	11.00	0.1	3.47	
9:35	0.0	11.07	0.1	3.47	
9:36	0.0	11.07	0.1	3.40	
9:37	0.0	11.07	0.1	3.27	
9:38	0.0	11.13	0.1	3.27	
9:39	0.0	11.13	0.1	3.27	
9:40	0.0	11.13	0.1	3.20	
9:41	0.0	11.13	0.1	3.20	
9:42	0.0	11.13	0.1	3.20	
9:43	0.0	10.67	0.1	3.13	
9:44	0.0	10.47	0.1	3.07	
9:45	0.0	10.33	0.1	3.07	
9:46	0.0	10.40	0.1	3.00	
9:47	0.0	10.27	0.1	2.80	
9:48	0.0	10.13	0.1	2.87	
9:49	0.0	10.20	0.1	2.73	
9:50	0.0	10.27	0.1	2.73	
9:51	0.0	10.33	0.1	2.73	
9:52	0.0	10.53	0.1	2.73	
9:53	0.0	10.80	0.1	2.80	
9:54	0.0	10.87	0.1	2.80	
9:55	0.0	10.93	0.1	2.80	
9:56	0.0	11.07	0.1	2.87	
9:57	0.0	11.13	0.1	2.80	
9:58	0.0	11.20	0.1	2.73	
9:59	0.0	11.27	0.1	2.73	
10:00	0.0	11.27	0.1	2.73	
10:01	0.0	11.40	0.1	2.87	
10:02	0.0	11.47	0.1	2.87	
10:03	0.0	11.53	0.1	2.93	
10:04	0.0	11.53	0.1	3.13	
10:05	0.0	11.60	0.1	3.20	
10:06	0.0	11.53	0.1	3.27	
10:07	0.0	11.47	0.1	3.27	
10:08	0.0	11.67	0.1	3.33	
10:09	0.0	11.87	0.1	3.33	
10:10	0.0	12.13	0.1	3.27	
10:11	0.0	12.27	0.1	3.33	
10:12	0.0	12.33	0.1	3.47	
10:13	0.0	12.47	0.1	3.47	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:14	0.0	12.53	0.1	3.40	
10:15	0.0	12.60	0.1	3.33	
10:16	0.0	12.67	0.1	3.47	
10:17	0.0	12.80	0.1	3.53	
10:18	0.0	12.93	0.1	3.33	
10:19	0.0	12.93	0.1	3.27	
10:20	0.0	13.07	0.1	3.20	
10:21	0.0	13.00	0.1	3.00	
10:22	0.0	12.87	0.1	2.93	
10:23	0.0	12.73	0.1	2.93	
10:24	0.0	12.53	0.1	2.93	
10:25	0.0	12.53	0.1	2.87	
10:26	0.0	12.53	0.1	2.73	
10:27	0.0	12.60	0.1	2.73	
10:28	0.0	12.67	0.1	2.80	
10:29	0.0	12.67	0.1	2.80	
10:30	0.0	12.73	0.1	2.67	
10:31	0.0	12.67	0.1	2.53	
10:32	0.0	12.53	0.1	2.53	
10:33	0.0	12.53	0.1	2.53	
10:34	0.0	12.47	0.1	2.47	
10:35	0.0	12.47	0.1	2.53	
10:36	0.0	12.47	0.1	2.53	
10:37	0.0	12.47	0.1	2.40	
10:38	0.0	12.40	0.1	2.60	
10:39	0.0	12.40	0.1	3.27	
10:40	0.0	12.40	0.1	3.93	
10:41	0.0	12.33	0.1	4.47	
10:42	0.0	12.40	0.1	4.47	
10:43	0.0	12.47	0.1	4.60	
10:44	0.0	12.60	0.1	4.53	
10:45	0.0	12.67	0.1	4.60	
10:46	0.0	12.73	0.1	4.67	
10:47	0.0	12.80	0.1	4.67	
10:48	0.0	12.80	0.1	4.80	
10:49	0.0	12.93	0.1	4.80	
10:50	0.0	13.00	0.1	4.80	
10:51	0.0	13.13	0.1	4.80	
10:52	0.0	13.27	0.1	4.60	
10:53	0.0	13.40	0.1	4.20	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:54	0.0	13.60	0.1	4.87	
10:55	0.0	13.73	0.1	4.33	
10:56	0.0	13.80	0.1	4.33	
10:57	0.0	13.87	0.1	4.27	
10:58	0.0	13.80	0.1	4.33	
10:59	0.0	13.80	0.1	6.00	
11:00	0.0	13.87	0.1	6.20	
11:01	0.0	13.87	0.1	6.27	
11:02	0.0	13.93	0.1	6.53	
11:03	0.0	13.93	0.1	6.53	
11:04	0.0	14.00	0.1	6.53	
11:05	0.0	14.00	0.1	6.60	
11:06	0.0	14.07	0.1	6.60	
11:07	0.0	14.00	0.1	6.53	
11:08	0.0	13.93	0.1	5.60	
11:09	0.0	13.87	0.1	6.13	
11:10	0.0	13.93	0.1	6.13	
11:11	0.0	13.93	0.1	6.20	
11:12	0.0	14.00	0.1	6.53	
11:13	0.0	14.20	0.1	4.87	
11:14	0.0	14.47	0.1	4.60	
11:15	0.0	14.53	0.1	4.73	
11:16	0.0	14.53	0.1	4.40	
11:17	0.0	14.53	0.1	4.40	
11:18	0.0	14.53	0.1	4.33	
11:19	0.0	14.53	0.1	4.27	
11:20	0.0	14.47	0.1	4.27	
11:21	0.0	14.47	0.1	4.07	
11:22	0.0	14.47	0.1	3.80	
11:23	0.0	14.47	0.1	3.20	
11:24	0.0	14.40	0.1	3.33	
11:25	0.0	14.40	0.1	3.27	
11:26	0.0	14.40	0.1	2.87	
11:27	0.0	14.27	0.1	2.73	
11:28	0.0	14.07	0.1	2.67	
11:29	0.0	14.07	0.1	2.40	
11:30	0.0	14.07	0.1	2.40	
11:31	0.0	--	0.1	2.27	NE Dust Meter logging malfunction. Manual readings collected through
11:32	0.0	--	0.1	2.27	
11:33	0.0	--	0.1	2.27	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:34	0.0	--	0.1	2.27	Readings collected through end of the day.
11:35	0.0	--	0.1	2.20	
11:36	0.0	--	0.1	2.07	
11:37	0.0	--	0.1	2.07	
11:38	0.0	--	0.1	1.93	
11:39	0.0	--	0.1	1.93	
11:40	0.0	--	0.1	1.93	
11:41	0.0	--	0.1	2.07	
11:42	0.0	--	0.1	2.13	
11:43	0.0	--	0.1	2.13	
11:44	0.0	--	0.1	2.13	
11:45	0.0	--	0.1	2.20	
11:46	0.0	--	0.1	2.13	
11:47	0.0	--	0.1	2.27	
11:48	0.0	--	0.1	2.20	
11:49	0.0	--	0.1	2.47	
11:50	0.0	--	0.1	2.53	
11:51	0.0	--	0.1	2.60	
11:52	0.0	--	0.1	2.60	
11:53	0.0	--	0.1	2.60	
11:54	0.0	--	0.1	2.67	
11:55	0.0	--	0.1	2.67	
11:56	0.0	--	0.1	2.60	
11:57	0.0	--	0.1	2.60	
11:58	0.0	--	0.1	2.67	
11:59	0.0	--	0.1	2.67	
12:00	0.0	13.0	0.1	2.80	
12:01	0.0	--	0.1	2.73	
12:02	0.0	--	0.1	2.80	
12:03	0.0	--	0.1	2.73	
12:04	0.0	--	0.1	2.80	
12:05	0.0	--	0.1	2.73	
12:06	0.0	--	0.1	2.67	
12:07	0.0	--	0.1	2.67	
12:08	0.0	--	0.1	2.67	
12:09	0.0	--	0.1	2.67	
12:10	0.0	--	0.1	2.73	
12:11	0.0	--	0.1	2.80	
12:12	0.0	--	0.1	2.73	
12:13	0.0	--	0.1	2.80	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:14	0.0	--	0.1	2.67	
12:15	0.0	--	0.1	2.60	
12:16	0.0	--	0.1	2.60	
12:17	0.0	--	0.1	2.53	
12:18	0.0	--	0.1	2.47	
12:19	0.0	--	0.1	2.53	
12:20	0.0	--	0.1	2.67	
12:21	0.0	--	0.1	2.60	
12:22	0.0	--	0.1	2.60	
12:23	0.0	--	0.2	2.60	
12:24	0.0	--	0.2	2.53	
12:25	0.0	--	0.2	2.40	
12:26	0.0	--	0.2	2.47	
12:27	0.0	--	0.2	2.40	
12:28	0.0	--	0.2	2.53	
12:29	0.0	--	0.2	2.47	
12:30	0.0	--	0.2	2.47	
12:31	0.0	--	0.2	2.33	
12:32	0.0	--	0.2	2.27	
12:33	0.0	--	0.2	2.20	
12:34	0.0	--	0.2	2.07	
12:35	0.0	--	0.1	2.07	
12:36	0.0	--	0.1	2.00	
12:37	0.0	--	0.1	1.93	
12:38	0.0	--	0.1	1.93	
12:39	0.0	--	0.1	1.93	
12:40	0.0	--	0.1	1.73	
12:41	0.0	--	0.1	1.73	
12:42	0.0	--	0.1	1.67	
12:43	0.0	--	0.1	1.67	
12:44	0.0	--	0.1	1.60	Intrusive Work Begins
12:45	0.0	--	0.1	1.60	
12:46	0.0	--	0.1	1.53	
12:47	0.0	--	0.1	1.53	
12:48	0.0	--	0.1	1.53	
12:49	0.0	--	0.1	1.47	
12:50	0.0	--	0.1	1.47	
12:51	0.0	--	0.1	1.40	
12:52	0.0	--	0.1	1.33	
12:53	0.0	--	0.1	1.33	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:54	0.0	--	0.1	1.33	Rain Begins
12:55	0.0	--	0.1	1.27	
12:56	0.0	--	0.1	1.33	
12:57	0.0	--	0.1	1.47	
12:58	0.0	--	0.1	1.53	
12:59	0.0	--	0.1	1.60	
13:00	0.0	14.0	0.1	1.67	
13:01	0.0	--	0.1	1.67	
13:02	0.0	--	0.1	1.67	
13:03	0.0	--	0.1	1.73	
13:04	0.0	--	0.1	1.67	
13:05	0.0	--	0.1	1.73	
13:06	0.0	--	0.1	1.73	
13:07	0.0	--	0.1	1.80	
13:08	0.0	--	0.1	1.87	
13:09	0.0	--	0.1	2.00	
13:10	0.0	--	0.1	1.93	
13:11	0.0	--	0.1	1.87	
13:12	0.0	--	0.1	1.80	
13:13	0.0	--	0.1	1.87	
13:14	0.0	--	0.1	1.87	
13:15	0.0	--	0.1	1.87	
13:16	0.0	--	0.1	2.00	
13:17	0.0	--	0.1	1.93	
13:18	0.0	--	0.1	1.93	
13:19	0.0	--	0.1	2.00	
13:20	0.0	--	0.1	2.13	
13:21	0.0	--	0.1	2.20	
13:22	0.0	--	0.1	2.20	
13:23	0.0	--	0.1	2.07	
13:24	0.0	--	0.1	2.07	
13:25	0.0	--	0.1	2.07	
13:26	0.0	--	0.1	2.00	
13:27	0.0	--	0.1	1.93	
13:28	0.0	--	0.1	2.00	
13:29	0.0	--	0.1	2.00	
13:30	0.0	--	0.1	1.87	
13:31	0.0	--	0.1	1.87	
13:32	0.0	--	0.1	1.80	
13:33	0.0	--	0.1	1.73	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:34	0.0	--	0.1	1.60	
13:35	0.0	--	0.1	1.47	
13:36	0.0	--	0.1	1.47	
13:37	0.0	--	0.1	1.53	
13:38	0.0	--	0.1	1.47	
13:39	0.0	--	0.1	1.47	
13:40	0.0	--	0.1	1.53	
13:41	0.0	--	0.1	1.40	
13:42	0.0		0.1	1.20	
13:43	0.0	--	0.1	1.13	
13:44	0.0	--	0.1	1.07	
13:45	0.0	--	0.1	1.20	
13:46	0.0	--	0.1	1.40	
13:47	0.0	--	0.1	1.33	
13:48	0.0	--	0.1	1.40	
13:49	0.0	--	0.1	1.40	
13:50	0.0	--	0.1	1.33	
13:51	0.0	--	0.1	1.20	
13:52	0.0	--	0.1	1.13	
13:53	0.0	--	0.1	1.07	
13:54	0.0	--	0.1	1.07	
13:55	0.0	--	0.1	1.13	
13:56	0.0	--	0.1	1.27	
13:57	0.0	--	0.1	1.33	
13:58	0.0	--	0.1	1.33	
13:59	0.0	--	0.1	1.20	
14:00	0.0	14.0	0.1	1.13	
14:01	0.0	--	0.1	1.27	
14:02	0.0	--	0.1	1.40	
14:03	0.0	--	0.1	1.47	
14:04	0.0	--	0.1	1.67	
14:05	0.0	--	0.1	2.40	
14:06	0.0	--	0.1	2.87	
14:07	0.0	--	0.1	3.20	
14:08	0.0	--	0.1	3.40	
14:09	0.0	--	0.1	3.73	
14:10	0.0	--	0.1	3.80	
14:11	0.0	--	0.1	3.80	
14:12	0.0	--	0.1	4.00	
14:13	0.0	--	0.1	4.07	

CAMP Monitoring - 12/12/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - N at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:14	0.0	--	0.1	4.00	
14:15	0.0	--	0.2	3.87	
14:16	0.0	--	0.2	3.73	
14:17	0.0	--	0.2	3.93	
14:18	0.0	--	0.2	3.80	Intrusive Work Completed
14:19	0.0	--	0.2	3.20	for the Day
14:20	0.0	--	0.2	2.80	
14:21	0.0	--	0.2	2.40	
14:22	0.0	13.0	0.2	2.13	
14:23	0.0		0.2	--	
14:24	0.0		0.2	--	
14:25	0.0		0.2	--	
14:26	0.0		0.2	--	
14:27	0.0		0.2	--	
14:28	0.0		--	--	
14:29	0.0		--	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:19	0.0	--	0.0	--	START CAMP Monitoring
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	--	--	--	--	
7:25	--	--	--	--	
7:26	--	--	--	--	
7:27	--	--	--	--	
7:28	--	--	--	--	
7:29	--	--	--	--	
7:30	--	--	--	--	
7:31	--	--	--	--	
7:32	--	15.60	--	5.33	
7:33	--	15.33	0.0	5.87	
7:34	0.1	15.93	0.0	6.60	
7:35	0.1	15.93	0.0	7.13	
7:36	0.1	15.80	0.0	7.60	
7:37	0.1	15.60	0.0	7.47	
7:38	0.1	15.53	0.0	7.47	
7:39	0.1	15.13	0.0	7.60	
7:40	0.1	15.20	0.0	7.67	
7:41	0.1	14.87	0.0	7.80	
7:42	0.1	14.87	0.0	7.93	
7:43	0.1	15.00	0.0	7.93	
7:44	0.1	15.00	0.0	8.40	
7:45	0.1	14.73	0.0	8.60	
7:46	0.1	14.73	0.0	8.60	
7:47	0.1	14.67	0.0	9.33	
7:48	0.1	14.33	0.0	9.47	
7:49	0.1	14.27	0.0	9.53	
7:50	0.1	14.27	0.0	9.67	
7:51	0.1	14.20	0.0	9.73	
7:52	0.1	14.60	0.0	9.73	
7:53	0.1	14.67	0.0	9.60	
7:54	0.1	15.00	0.0	9.53	
7:55	0.1	15.20	0.0	9.47	
7:56	0.1	15.47	0.0	10.07	
7:57	0.1	15.60	0.0	10.20	
7:58	0.1	15.80	0.0	9.93	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:59	0.1	Dust Meter Operation Malfunction	0.0	9.67	ust Meter Logging Malfunctio
8:00	0.1		0.0	9.60	
8:01	0.1		0.0	8.87	
8:02	0.1		0.0	8.60	
8:03	0.1		0.0	8.87	
8:04	0.1		0.0	9.07	
8:05	0.1		0.0	9.60	
8:06	0.1		0.0	10.00	
8:07	0.1		0.0	10.20	
8:08	0.1		0.0	10.33	
8:09	0.1		0.0	10.47	
8:10	0.1		0.0	10.00	
8:11	0.1		0.0	9.93	
8:12	0.1		0.0	9.73	
8:13	0.1		0.0	9.80	
8:14	0.1		0.0	9.80	
8:15	0.1		0.0	9.73	
8:16	0.1		0.0	10.00	
8:17	0.1		0.0	9.53	
8:18	0.1		0.0	9.33	
8:19	0.1		0.0	8.80	
8:20	0.1		0.0	8.47	
8:21	0.1		0.0	8.27	
8:22	0.1		0.0	8.07	
8:23	0.1		0.0	7.93	
8:24	0.1		0.0	7.60	
8:25	0.1		0.0	7.60	
8:26	0.1		0.0	7.87	
8:27	0.1		0.0	7.87	
8:28	0.1		0.0	7.80	
8:29	0.1		0.0	8.07	
8:30	0.1		0.0	7.87	
8:31	0.1		0.0	7.87	
8:32	0.1		0.0	7.73	
8:33	0.1		0.0	8.07	
8:34	0.1		0.0	8.07	
8:35	0.1		0.0	8.27	Instrusive Work Begins
8:36	0.1		0.0	8.53	
8:37	0.1		0.0	8.53	
8:38	0.1		0.0	8.93	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:39	0.1	Dust Meter Operation Malfunction	0.0	8.93	
8:40	0.1		0.0	9.00	
8:41	0.1		0.0	9.13	
8:42	0.1		0.0	9.53	
8:43	0.1		0.0	9.80	
8:44	0.1		0.0	9.87	
8:45	0.1		0.0	10.40	
8:46	0.1		0.0	10.47	
8:47	0.1		0.0	10.53	
8:48	0.1		0.0	10.53	
8:49	0.1		0.0	10.33	
8:50	0.1		0.0	10.13	
8:51	0.1		0.0	10.27	
8:52	0.1		0.0	9.87	
8:53	0.1		0.0	9.80	
8:54	0.1		0.0	9.67	
8:55	0.1		0.0	9.80	
8:56	0.1		0.0	9.40	
8:57	0.1	0.13	0.0	9.13	
8:58	0.2	1.73	0.0	8.93	
8:59	0.2	2.67	0.0	8.73	
9:00	0.2	3.47	0.0	8.80	
9:01	0.2	4.53	0.0	8.33	
9:02	0.2	5.47	0.0	8.20	
9:03	0.2	6.40	0.0	8.20	
9:04	0.2	7.47	0.0	8.27	
9:05	0.2	8.33	0.0	8.20	
9:06	0.2	9.33	0.0	8.33	
9:07	0.2	10.20	0.0	9.27	
9:08	0.2	11.13	0.0	9.27	
9:09	0.2	11.93	0.0	9.20	
9:10	0.2	12.80	0.0	9.27	
9:11	0.2	13.60	0.0	9.27	
9:12	0.2	13.00	0.0	9.27	
9:13	0.2	13.13	0.0	9.07	
9:14	0.2	13.73	0.0	9.00	
9:15	0.2	13.87	0.0	9.00	
9:16	0.2	13.87	0.0	8.93	
9:17	0.2	13.80	0.0	9.07	
9:18	0.2	13.53	0.0	9.07	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:19	0.2	13.53	0.0	9.00	
9:20	0.2	13.33	0.0	8.87	
9:21	0.2	13.33	0.0	7.87	
9:22	0.2	13.13	0.0	7.87	
9:23	0.2	13.13	0.0	7.60	
9:24	0.1	13.13	0.0	7.53	
9:25	0.1	13.00	0.0	7.53	
9:26	0.1	12.87	0.0	7.47	
9:27	0.1	12.60	0.0	7.53	
9:28	0.2	12.13	0.0	7.60	
9:29	0.2	11.87	0.0	8.07	
9:30	0.2	12.00	0.0	8.20	
9:31	0.2	12.20	0.0	8.20	
9:32	0.2	12.53	0.0	8.33	
9:33	0.2	12.80	0.0	8.40	
9:34	0.2	12.93	0.0	8.67	
9:35	0.2	12.93	0.0	8.80	
9:36	0.2	13.20	0.0	8.73	
9:37	0.2	13.40	0.0	8.67	
9:38	0.2	13.33	0.0	8.93	
9:39	0.2	13.60	0.0	8.73	
9:40	0.2	13.80	0.0	8.87	
9:41	0.2	14.00	0.0	8.87	
9:42	0.2	14.47	0.0	8.80	
9:43	0.2	14.60	0.0	8.53	
9:44	0.2	14.47	0.0	8.60	
9:45	0.2	14.47	0.0	8.67	
9:46	0.2	14.47	0.0	8.53	
9:47	0.2	14.40	0.0	8.67	
9:48	0.2	14.47	0.0	8.67	
9:49	0.2	14.53	0.0	8.73	
9:50	0.2	14.60	0.0	8.80	
9:51	0.2	14.60	0.0	9.00	
9:52	0.2	14.67	0.0	8.93	
9:53	0.2	14.73	0.0	8.93	
9:54	0.2	14.73	0.0	9.13	
9:55	0.2	14.87	0.0	9.20	
9:56	0.2	14.47	0.0	9.27	
9:57	0.2	14.40	0.0	9.20	
9:58	0.2	14.53	0.0	9.20	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:59	0.2	14.47	0.0	9.07	
10:00	0.2	14.33	0.0	9.07	
10:01	0.2	14.27	0.0	8.93	
10:02	0.2	14.20	0.0	8.93	
10:03	0.1	14.80	0.0	8.73	
10:04	0.1	14.73	0.0	8.80	
10:05	0.1	14.67	0.0	8.67	
10:06	0.1	14.80	0.0	8.60	
10:07	0.1	14.67	0.0	8.80	
10:08	0.1	14.73	0.0	9.07	
10:09	0.1	14.67	0.0	10.20	
10:10	0.1	15.00	0.0	10.47	
10:11	0.1	15.20	0.0	10.47	
10:12	0.1	15.40	0.0	10.53	
10:13	0.1	15.47	0.0	10.60	
10:14	0.1	15.73	0.0	10.53	
10:15	0.1	15.87	0.0	10.60	
10:16	0.1	16.07	0.0	10.47	
10:17	0.1	15.67	0.0	10.60	
10:18	0.1	15.73	0.0	10.60	
10:19	0.1	15.87	0.0	10.60	
10:20	0.1	16.00	0.0	10.40	
10:21	0.1	16.00	0.0	10.33	
10:22	0.1	15.93	0.0	9.87	
10:23	0.1	16.00	0.0	9.20	
10:24	0.1	15.80	0.0	8.93	
10:25	0.1	15.80	0.0	9.00	
10:26	0.1	15.67	0.0	8.93	
10:27	0.1	16.27	0.0	9.00	
10:28	0.1	16.07	0.0	9.13	
10:29	0.1	16.27	0.0	9.07	
10:30	0.1	16.33	0.0	9.20	
10:31	0.1	16.40	0.0	9.27	
10:32	0.1	16.80	0.0	9.20	
10:33	0.1	17.07	0.0	9.27	
10:34	0.1	17.20	0.0	9.47	
10:35	0.1	17.53	0.0	9.40	
10:36	0.1	17.60	0.0	9.40	
10:37	0.1	17.73	0.0	8.93	
10:38	0.1	17.87	0.0	8.93	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:39	0.1	17.87	0.0	8.80	
10:40	0.1	17.87	0.0	8.80	
10:41	0.1	17.20	0.0	8.73	
10:42	0.1	17.33	0.0	8.67	
10:43	0.1	17.07	0.0	8.60	
10:44	0.2	17.07	0.0	8.93	
10:45	0.2	16.93	0.0	8.87	
10:46	0.2	16.53	0.0	8.80	
10:47	0.2	16.20	0.0	8.67	
10:48	0.2	16.27	0.0	8.80	
10:49	0.2	15.93	0.0	8.80	
10:50	0.2	16.27	0.0	8.80	
10:51	0.2	16.00	0.0	8.67	
10:52	0.2	15.87	0.0	8.80	
10:53	0.2	15.80	0.0	8.80	
10:54	0.2	15.80	0.0	8.80	
10:55	0.2	15.87	0.0	8.93	
10:56	0.2	15.73	0.0	8.87	
10:57	0.2	15.73	0.0	8.80	
10:58	0.2	15.60	0.0	8.20	
10:59	0.2	15.60	0.0	8.13	
11:00	0.2	15.73	0.0	8.20	
11:01	0.2	15.93	0.0	8.40	
11:02	0.2	15.87	0.0	8.40	
11:03	0.2	15.93	0.0	8.40	
11:04	0.2	15.53	0.0	8.33	
11:05	0.2	15.67	0.0	8.53	
11:06	0.2	15.67	0.0	8.40	
11:07	0.2	15.67	0.0	8.40	
11:08	0.2	15.80	0.0	8.27	
11:09	0.2	15.93	0.0	8.00	
11:10	0.2	16.33	0.0	7.93	
11:11	0.2	16.60	0.0	8.00	
11:12	0.2	16.93	0.0	8.07	
11:13	0.2	17.13	0.0	8.47	
11:14	0.2	17.07	0.0	8.47	
11:15	0.2	17.00	0.0	8.53	
11:16	0.2	16.87	0.0	8.40	
11:17	0.2	17.07	0.0	8.40	
11:18	0.2	17.33	0.0	8.53	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:19	0.2	17.40	0.0	8.27	
11:20	0.1	17.40	0.0	8.33	
11:21	0.2	17.33	0.0	8.33	
11:22	0.2	17.40	0.0	8.40	
11:23	0.2	17.33	0.0	8.60	
11:24	0.2	17.07	0.0	8.93	
11:25	0.2	17.07	0.0	9.33	
11:26	0.2	17.27	0.0	9.73	
11:27	0.2	17.33	0.0	9.53	
11:28	0.2	17.40	0.0	9.67	
11:29	0.2	17.40	0.0	9.53	
11:30	0.2	17.40	0.0	9.93	
11:31	0.2	17.13	0.0	9.80	
11:32	0.2	17.13	0.0	10.00	
11:33	0.2	17.20	0.0	10.33	
11:34	0.2	17.40	0.0	11.33	
11:35	0.2	17.47	0.0	11.47	
11:36	0.2	17.73	0.0	15.67	
11:37	0.2	17.73	0.0	15.60	
11:38	0.2	17.80	0.0	15.33	
11:39	0.2	17.67	0.0	14.93	
11:40	0.2	17.40	0.0	14.47	
11:41	0.2	17.20	0.0	14.87	
11:42	0.2	17.40	0.0	16.07	
11:43	0.2	17.60	0.0	17.67	
11:44	0.2	17.73	0.0	17.53	
11:45	0.2	18.20	0.0	18.20	
11:46	0.2	18.13	0.0	18.20	
11:47	0.2	18.27	0.0	19.80	
11:48	0.2	18.40	0.0	19.53	
11:49	0.2	18.67	0.0	20.87	
11:50	0.2	18.40	0.0	16.80	
11:51	0.2	19.07	0.0	16.93	
11:52	0.2	19.13	0.0	17.00	
11:53	0.2	19.47	0.0	17.07	
11:54	0.2	19.60	0.0	17.73	
11:55	0.2	19.80	0.0	18.07	
11:56	0.2	19.87	0.0	17.27	
11:57	0.2	20.00	0.0	16.27	
11:58	0.3	20.13	0.0	16.33	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:59	0.3	20.13	0.0	16.13	
12:00	0.3	20.40	0.0	16.00	
12:01	0.3	20.40	0.0	14.67	
12:02	0.3	20.33	0.0	14.33	
12:03	0.3	20.20	0.0	13.20	
12:04	0.3	20.07	0.0	13.00	
12:05	0.3	19.40	0.0	12.80	
12:06	0.3	19.60	0.0	12.87	
12:07	0.3	19.47	0.0	12.80	
12:08	0.3	19.93	0.0	12.20	
12:09	0.3	19.87	0.0	11.33	
12:10	0.2	19.67	0.0	10.80	
12:11	0.2	19.47	0.0	10.20	
12:12	0.2	19.33	0.0	9.87	
12:13	0.2	19.27	0.0	9.67	
12:14	0.2	18.93	0.0	9.87	
12:15	0.2	18.80	0.0	9.40	
12:16	0.2	18.60	0.0	8.80	
12:17	0.2	18.40	0.0	8.47	
12:18	0.2	18.73	0.0	8.47	
12:19	0.2	18.80	0.0	8.60	
12:20	0.2	18.67	0.0	8.67	
12:21	0.2	18.47	0.0	8.93	
12:22	0.2	17.80	0.0	9.13	
12:23	0.2	17.60	0.0	9.13	
12:24	0.2	17.67	0.0	9.27	
12:25	0.2	17.67	0.0	9.20	
12:26	0.2	17.67	0.0	9.07	
12:27	0.2	18.07	0.0	8.87	
12:28	0.2	18.20	0.0	8.47	
12:29	0.2	18.07	0.0	8.47	
12:30	0.2	18.07	0.0	8.67	
12:31	0.2	18.20	0.0	8.60	
12:32	0.2	17.87	0.0	8.93	
12:33	0.2	17.80	0.0	8.80	
12:34	0.2	17.40	0.0	8.60	
12:35	0.2	17.20	0.0	8.33	
12:36	0.2	17.07	0.0	8.07	
12:37	0.2	17.07	0.0	8.13	
12:38	0.2	16.93	0.0	7.73	

CAMP Monitoring - 12/13/2022

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNW at 4mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:39	0.2	17.00	0.0	7.73	
12:40	0.2	16.93	0.0	7.80	
12:41	0.2	16.13	0.0	7.73	
12:42	0.2	16.13	0.0	7.60	
12:43	0.2	16.07	0.0	7.47	
12:44	0.2	16.00	0.0	7.40	
12:45	0.2	15.87	0.0	7.53	
12:46	0.2	15.87	0.0	8.33	
12:47	0.2	15.87	0.0	8.27	
12:48	0.2	16.13	0.0	8.40	
12:49	0.2	16.47	0.0	8.47	Intrusive Work Completed for the Day
12:50	0.2	16.67	0.0	8.47	
12:51	0.2	16.80	0.0	8.33	
12:52	0.2	16.80	0.0	8.33	
12:53	0.2	16.73	0.0	8.33	
12:54	0.2	16.87	0.0	8.73	
12:55	0.2	17.13	0.0	8.73	
12:56	0.2	17.00	0.0	8.80	
12:57	0.2	17.13	0.0	8.80	
12:58	0.2	17.20	0.0	9.13	
12:59	0.2	17.20	0.0	9.47	
13:00	--	17.00	0.0	8.33	
13:01	--	17.00	0.0	--	
13:02	--	16.73	0.0	--	
13:03	--	16.60	0.0	--	
13:04	--	16.40	0.0	--	
13:05	--	16.13	--	--	END CAMP Monitoring

NOTES		PM10	Particulates <10 micrometers
VOC	Volatile organic compound	µg/m3	Micrograms per cubic meter
Avg15	15-minute running average	--	Not collected
ppm	Parts per million	184.20	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Wednesday January 11, 2023

PREPARED BY	Michael Huston

General Notes: Community air monitoring for the excavation for the installation of a subsurface structural feature in the mid north side of the site.

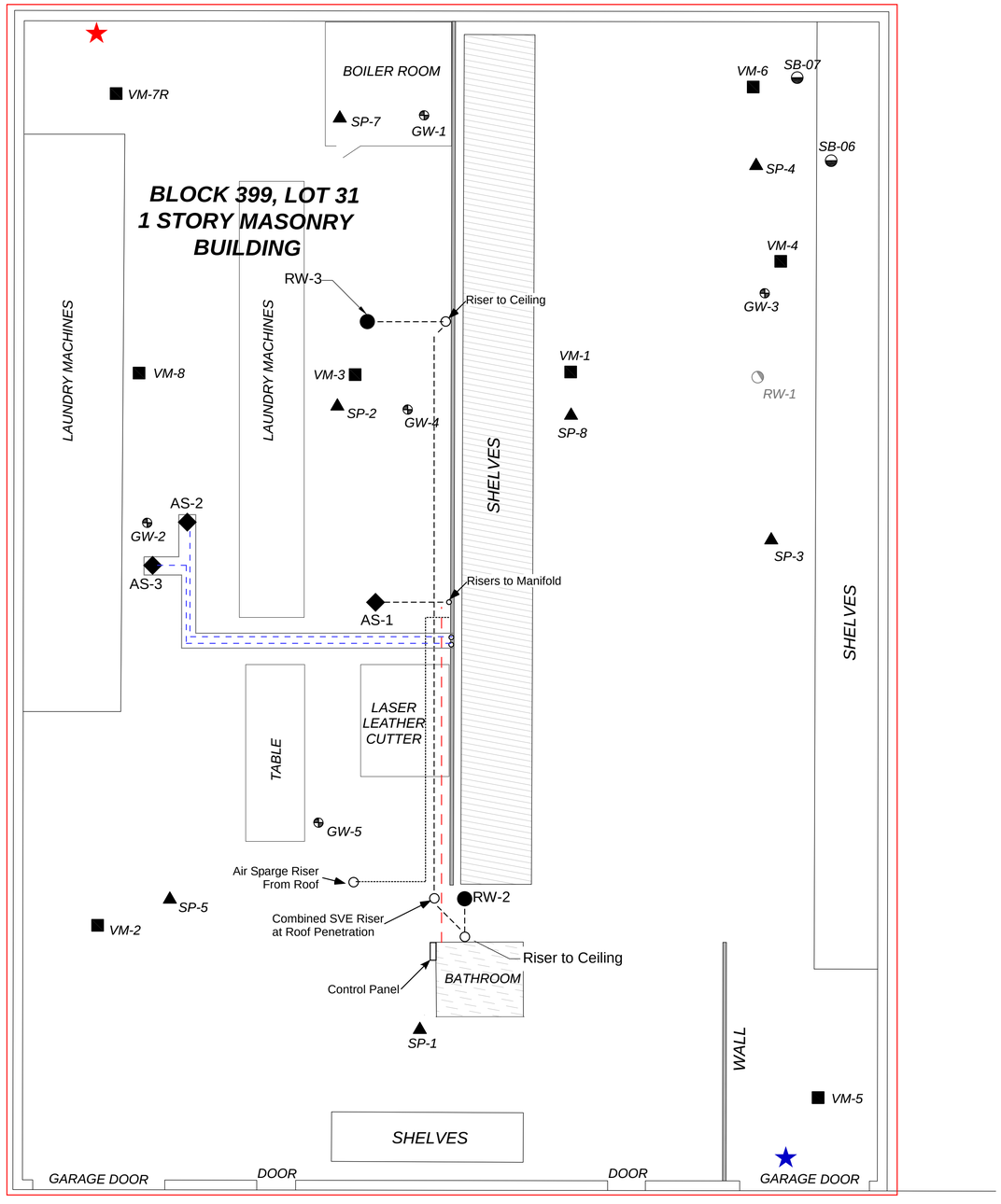
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates during the excavation for the installation of a structural feature in the mid north side of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - There were minor dust exceedances due Dynasty Contracting LLC (Dynasty, Construction Subcontractor) stockpiling lumber/wood studs next to the northeast station dust meter. Note, some visible dust was observed direct from the lumber as the lumber was being thrown onto the pile. Dust meter levels returned to normal background concentrations as soon as Dynasty stopped moving/stockpiling this lumber.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Southwest	Southwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates during the excavation for the installation of a structural feature in the mid north side of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - Note, elevated dust recorded at the SW station was caused by above-grade concrete demolition by both electric jack hammer and skid steerer with hammer attachment. The SW dust meter was moved twice away from the immediate concrete demolition work area at 7:50 AM and 1:58 PM. Dust concentrations returned to normal/background levels after the dust meter was moved away from the immediate concrete demolition work area. The above-grade concrete demolition work is not associated with this Redevelopment Excavation CAMP monitoring, yet no visible dust was observed migrating offsite from the ongoing concrete demolition work areas.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 12-13-2022
DES: NK	DATE: 12-13-2022
CHK: NK	DATE: 12-13-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:20	--	--	--	--	START CAMP Monitoring
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	--	--	--	--	
7:25	--	--	--	--	
7:26	--	--	--	--	
7:27	--	--	--	--	
7:28	--	--	--	--	
7:29	--	--	--	--	
7:30	--	--	--	--	
7:31	--	--	--	--	
7:32	--	--	--	--	
7:33	--	--	--	--	
7:34	0.0	11.60	0.0	1.07	
7:35	0.0	13.73	0.0	0.53	
7:36	0.0	13.93	0.0	0.53	
7:37	0.0	14.93	0.0	1.00	
7:38	0.0	16.33	0.0	1.80	
7:39	0.0	18.87	0.0	7.60	
7:40	0.0	20.60	0.0	343.40	SW CAMP Station was initially located within the immediate work area of the demolition of the existing above-grade back building wall. These activities are not directly associated with the CAMP monitoring for the redevelopment excavation, therefore the CAMP station was moved slightly at 7:56 to be outside the demolition work area and PM10 readings immediately dropped. The 15 minute average readings continued to stay elevated after the move as expected. The concrete demolition was monitored and while minimal dust was generated, there was no visible dust observed leaving the Site.
7:41	0.0	20.73	0.0	672.00	
7:42	0.0	20.93	0.0	998.73	
7:43	0.0	20.87	0.0	1788.73	
7:44	0.0	21.27	0.0	2067.27	
7:45	0.0	21.20	0.0	2500.20	
7:46	0.0	21.60	0.0	2896.20	
7:47	0.0	22.40	0.0	2936.87	
7:48	0.0	22.40	0.0	3113.00	
7:49	0.0	21.33	0.0	3153.93	
7:50	0.0	32.47	0.0	3235.20	
7:51	0.0	32.60	0.0	3291.93	
7:52	0.0	31.73	0.0	3398.00	
7:53	0.0	31.60	0.0	3572.07	
7:54	0.0	32.47	0.0	3848.07	
7:55	0.0	32.67	0.0	3626.53	
7:56	0.0	33.20	0.0	3299.07	
7:57	0.0	33.00	0.0	2973.13	
7:58	0.0	33.67	0.0	2186.00	
7:59	0.0	33.93	0.0	1919.67	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:00	0.0	34.20	0.0	1489.47	See Note Above.
8:01	0.0	33.67	0.0	1098.27	
8:02	0.0	33.73	0.0	1061.80	
8:03	0.0	34.40	0.0	889.67	
8:04	0.0	33.53	0.0	850.40	
8:05	0.0	20.73	0.0	770.87	
8:06	0.0	20.73	0.0	720.87	
8:07	0.0	20.93	0.0	616.93	
8:08	0.0	20.53	0.0	455.07	
8:09	0.0	17.27	0.0	179.40	
8:10	0.0	16.60	0.0	67.93	
8:11	0.0	17.07	0.0	78.73	
8:12	0.0	18.20	0.0	80.33	
8:13	0.0	18.27	0.0	80.93	
8:14	0.0	18.20	0.0	69.60	
8:15	0.0	18.53	0.0	68.67	
8:16	0.0	18.93	0.0	65.13	
8:17	0.0	18.73	0.0	63.80	
8:18	0.0	18.80	0.0	61.67	
8:19	0.0	18.80	0.0	63.73	
8:20	0.0	19.00	0.0	66.60	
8:21	0.0	18.93	0.0	61.33	
8:22	0.0	20.20	0.0	64.33	
8:23	0.0	19.93	0.0	53.80	
8:24	0.0	20.73	0.0	52.13	
8:25	0.0	19.80	0.0	51.00	
8:26	0.0	19.13	0.0	40.07	
8:27	0.0	18.20	0.0	38.53	
8:28	0.0	17.27	0.0	35.87	
8:29	0.0	16.93	0.0	37.80	
8:30	0.0	17.07	0.0	37.67	
8:31	0.0	17.07	0.0	39.47	
8:32	0.0	16.87	0.0	39.73	
8:33	0.0	16.33	0.0	41.80	
8:34	0.0	15.87	0.0	42.47	
8:35	0.0	15.47	0.0	38.33	
8:36	0.0	15.60	0.0	38.13	
8:37	0.0	14.87	0.0	36.13	
8:38	0.0	14.67	0.0	35.47	
8:39	0.0	13.73	0.0	33.87	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:40	0.0	13.73	0.0	34.73	
8:41	0.0	13.80	0.0	36.13	
8:42	0.0	13.67	0.0	38.00	
8:43	0.0	13.53	0.0	39.27	
8:44	0.0	13.07	0.0	37.67	
8:45	0.0	12.27	0.0	36.87	
8:46	0.0	11.80	0.0	35.53	
8:47	0.0	11.67	0.0	34.60	
8:48	0.0	12.07	0.0	31.13	
8:49	0.0	12.87	0.0	27.80	
8:50	0.0	13.67	0.0	27.87	
8:51	0.0	14.27	0.0	27.53	
8:52	0.0	15.13	0.0	26.40	
8:53	0.0	18.27	0.0	28.73	
8:54	0.0	22.67	0.0	28.73	
8:55	0.0	23.40	0.0	27.47	
8:56	0.0	23.60	0.0	30.13	
8:57	0.0	24.33	0.0	28.60	
8:58	0.0	24.67	0.0	28.40	
8:59	0.0	25.73	0.0	30.33	
9:00	0.0	26.60	0.0	33.87	
9:01	0.0	27.00	0.0	37.33	
9:02	0.0	27.07	0.0	37.73	
9:03	0.0	26.87	0.0	43.60	
9:04	0.0	26.87	0.0	43.40	
9:05	0.0	26.73	0.0	47.27	
9:06	0.0	27.20	0.0	49.80	
9:07	0.0	26.33	0.0	47.67	
9:08	0.0	26.60	0.0	46.13	
9:09	0.0	26.07	0.0	44.13	
9:10	0.0	25.33	0.0	43.27	
9:11	0.0	25.53	0.0	38.80	
9:12	0.0	26.07	0.0	38.20	
9:13	0.0	26.27	0.0	38.00	
9:14	0.0	25.67	0.0	37.00	
9:15	0.0	25.60	0.0	34.33	
9:16	0.0	55.40	0.0	29.93	
9:17	0.0	69.67	0.0	28.20	
9:18	0.0	76.47	0.0	22.93	
9:19	0.0	91.33	0.0	22.53	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:20	0.0	94.00	0.0	18.33	
9:21	0.0	94.20	0.0	15.07	
9:22	0.0	95.53	0.0	15.20	
9:23	0.0	96.20	0.0	13.93	
9:24	0.0	94.27	0.0	13.60	
9:25	0.0	95.73	0.0	14.47	
9:26	0.0	97.20	0.0	14.60	
9:27	0.0	102.47	0.0	14.33	
9:28	0.0	106.07	0.0	13.00	
9:29	0.0	118.53	0.0	12.20	
9:30	0.0	124.00	0.0	11.60	
9:31	0.0	102.87	0.0	11.53	
9:32	0.0	103.33	0.0	11.80	
9:33	0.0	134.33	0.0	11.40	
9:34	0.0	135.00	0.0	12.07	
9:35	0.0	141.73	0.0	15.00	
9:36	0.0	143.47	0.0	16.07	
9:37	0.0	144.47	0.0	16.40	Lumber was being stacked near the NE Station, slightly increasing the PM10 concetrations to just below 150 ug/m3 + background, with one instance of exceedance.
9:38	0.0	145.20	0.0	15.67	
9:39	0.0	148.33	0.0	15.80	
9:40	0.0	162.87	0.0	15.13	
9:41	0.0	161.47	0.0	15.00	
9:42	0.0	155.33	0.0	15.60	
9:43	0.0	154.53	0.0	15.93	
9:44	0.0	143.07	0.0	16.07	
9:45	0.0	138.07	0.0	15.47	
9:46	0.0	129.40	0.0	15.27	
9:47	0.0	114.47	0.0	14.93	
9:48	0.0	76.93	0.0	15.00	
9:49	0.0	63.33	0.0	14.53	
9:50	0.0	56.40	0.0	12.40	
9:51	0.0	55.67	0.0	12.33	
9:52	0.0	53.93	0.0	13.33	
9:53	0.0	49.73	0.0	13.60	
9:54	0.0	45.33	0.0	13.67	
9:55	0.0	29.47	0.0	13.53	
9:56	0.0	29.13	0.0	16.80	
9:57	0.0	29.33	0.0	22.00	
9:58	0.0	26.60	0.0	25.00	
9:59	0.0	26.00	0.0	24.33	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:00	0.0	25.00	0.0	24.80	
10:01	0.0	25.00	0.0	24.93	
10:02	0.0	25.13	0.0	25.07	
10:03	0.0	25.07	0.0	25.07	
10:04	0.0	22.73	0.0	25.40	
10:05	0.0	20.13	0.0	25.40	
10:06	0.0	17.73	0.0	25.00	
10:07	0.0	17.33	0.0	24.00	
10:08	0.0	16.87	0.0	24.33	
10:09	0.0	16.60	0.0	24.53	
10:10	0.0	16.73	0.0	24.67	
10:11	0.0	17.80	0.0	22.00	
10:12	0.0	20.27	0.0	16.53	
10:13	0.0	21.60	0.0	13.80	
10:14	0.0	24.73	0.0	13.87	
10:15	0.0	26.00	0.0	13.60	
10:16	0.0	26.27	0.0	13.87	
10:17	0.0	26.33	0.0	13.93	
10:18	0.0	25.93	0.0	14.40	
10:19	0.0	25.93	0.0	15.00	
10:20	0.0	25.27	0.0	15.07	
10:21	0.0	25.00	0.0	15.07	
10:22	0.0	24.13	0.0	15.07	
10:23	0.0	24.20	0.0	14.40	
10:24	0.0	24.07	0.0	14.27	
10:25	0.0	24.73	0.0	14.33	
10:26	0.0	24.40	0.0	15.13	
10:27	0.0	21.87	0.0	15.27	
10:28	0.0	20.47	0.0	15.13	
10:29	0.0	16.87	0.0	16.13	
10:30	0.0	15.67	0.0	17.00	
10:31	0.0	15.20	0.0	27.53	
10:32	0.0	15.20	0.0	34.93	
10:33	0.0	15.33	0.0	35.07	
10:34	0.0	15.47	0.0	39.00	
10:35	0.0	15.67	0.0	39.00	
10:36	0.0	16.33	0.0	39.40	
10:37	0.0	16.60	0.0	39.67	
10:38	0.0	16.47	0.0	41.20	
10:39	0.0	16.67	0.0	41.60	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:40	0.0	16.33	0.0	42.07	
10:41	0.0	15.53	0.0	44.47	
10:42	0.0	15.53	0.0	44.73	
10:43	0.0	15.93	0.0	45.27	
10:44	0.0	16.60	0.0	45.93	
10:45	0.0	16.73	0.0	48.73	
10:46	0.0	16.87	0.0	39.93	
10:47	0.0	16.93	0.0	39.60	
10:48	0.0	17.53	0.0	40.33	
10:49	0.0	18.00	0.0	37.53	
10:50	0.0	18.47	0.0	38.07	
10:51	0.0	18.20	0.0	39.93	
10:52	0.0	18.07	0.0	40.87	
10:53	0.0	18.27	0.0	42.00	
10:54	0.0	18.07	0.0	44.47	
10:55	0.0	17.47	0.0	45.60	
10:56	0.0	17.40	0.0	42.93	
10:57	0.0	17.33	0.0	43.13	
10:58	0.0	17.73	0.0	43.87	
10:59	0.0	19.07	0.0	45.60	
11:00	0.0	20.13	0.0	42.53	
11:01	0.0	21.13	0.0	42.47	
11:02	0.0	22.33	0.0	39.93	
11:03	0.0	22.27	0.0	44.47	
11:04	0.0	21.47	0.0	42.80	
11:05	0.0	20.87	0.0	42.47	
11:06	0.0	20.53	0.0	41.13	
11:07	0.0	20.60	0.0	40.73	
11:08	0.0	21.60	0.0	39.40	
11:09	0.0	22.00	0.0	46.40	
11:10	0.0	22.93	0.0	51.40	
11:11	0.0	24.07	0.0	52.67	
11:12	0.0	24.40	0.0	57.27	
11:13	0.0	23.93	0.0	70.00	
11:14	0.0	22.33	0.0	75.87	
11:15	0.0	21.40	0.0	81.07	
11:16	0.0	20.60	0.0	84.60	
11:17	0.0	19.53	0.0	83.07	
11:18	0.0	18.87	0.0	79.67	
11:19	0.0	18.93	0.0	79.80	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:20	0.0	19.00	0.0	79.73	
11:21	0.0	21.27	0.0	79.07	
11:22	0.0	22.67	0.1	78.53	
11:23	0.0	21.87	0.1	78.00	
11:24	0.0	21.40	0.1	69.13	
11:25	0.0	20.53	0.1	74.00	
11:26	0.0	19.47	0.1	74.27	
11:27	0.0	19.40	0.1	72.27	
11:28	0.0	21.20	0.1	63.73	
11:29	0.0	22.93	0.1	59.73	
11:30	0.0	23.47	0.1	55.60	
11:31	0.0	23.67	0.1	51.33	
11:32	0.0	23.67	0.1	48.67	
11:33	0.0	23.67	0.1	47.80	
11:34	0.0	23.73	0.1	48.13	
11:35	0.0	23.73	0.1	48.60	
11:36	0.0	21.53	0.1	48.93	
11:37	0.0	20.13	0.1	57.20	
11:38	0.0	19.93	0.0	57.53	
11:39	0.0	20.47	0.0	57.73	
11:40	0.0	20.87	0.0	46.73	
11:41	0.0	21.00	0.0	44.47	
11:42	0.0	23.27	0.0	41.33	
11:43	0.0	21.13	0.0	35.93	
11:44	0.0	18.93	0.0	30.53	
11:45	0.0	18.07	0.0	28.87	
11:46	0.0	17.67	0.0	29.60	
11:47	0.0	17.27	0.0	33.40	
11:48	0.0	17.40	0.0	35.13	
11:49	0.0	17.53	0.0	36.00	
11:50	0.0	17.93	0.0	35.27	
11:51	0.0	18.13	0.0	34.47	
11:52	0.0	18.53	0.0	25.87	
11:53	0.0	18.40	0.0	25.33	
11:54	0.0	18.00	0.0	25.87	
11:55	0.0	18.27	0.0	27.53	
11:56	0.0	18.87	0.0	28.60	
11:57	0.0	17.00	0.0	29.33	
11:58	0.0	17.07	0.0	29.60	
11:59	0.0	17.93	0.0	29.73	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:00	0.0	20.00	0.0	29.93	
12:01	0.0	21.87	0.0	29.07	
12:02	0.0	22.80	0.0	25.47	
12:03	0.0	23.07	0.0	23.00	
12:04	0.0	23.33	0.0	21.60	
12:05	0.0	23.33	0.0	21.87	
12:06	0.0	23.47	0.0	22.40	
12:07	0.0	23.33	0.0	23.27	
12:08	0.0	23.40	0.0	23.60	
12:09	0.0	23.20	0.0	22.33	
12:10	0.0	22.47	0.0	20.67	
12:11	0.0	22.00	0.0	19.33	
12:12	0.0	23.33	0.0	18.60	
12:13	0.0	25.73	0.0	18.20	
12:14	0.0	25.40	0.0	17.93	
12:15	0.0	24.47	0.0	17.93	
12:16	0.0	22.73	0.0	16.93	
12:17	0.0	22.13	0.0	16.07	
12:18	0.0	21.80	0.0	15.20	
12:19	0.0	22.20	0.0	14.93	
12:20	0.0	21.80	0.0	14.40	
12:21	0.0	21.27	0.0	14.20	
12:22	0.0	21.20	0.0	13.33	
12:23	0.0	21.87	0.0	12.60	
12:24	0.0	22.20	0.0	12.07	
12:25	0.0	21.93	0.0	11.40	
12:26	0.0	21.13	0.0	11.27	
12:27	0.0	18.73	0.0	11.20	
12:28	0.0	15.93	0.0	11.20	
12:29	0.0	15.33	0.0	11.20	
12:30	0.0	14.20	0.0	10.87	
12:31	0.0	14.07	0.0	10.73	
12:32	0.0	13.87	0.0	10.53	
12:33	0.0	13.73	0.0	10.33	
12:34	0.0	12.80	0.0	10.20	
12:35	0.0	12.60	0.0	10.47	
12:36	0.0	12.67	0.0	10.33	
12:37	0.0	12.27	0.0	10.60	
12:38	0.0	11.47	0.0	10.87	
12:39	0.0	11.07	0.0	10.87	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:40	0.0	11.13	0.0	10.87	
12:41	0.0	12.53	0.0	11.00	
12:42	0.0	17.00	0.0	10.93	
12:43	0.0	21.27	0.0	10.87	
12:44	0.0	28.27	0.0	10.93	
12:45	0.0	32.33	0.0	11.07	
12:46	0.0	32.87	0.0	11.27	
12:47	0.0	33.53	0.0	11.53	
12:48	0.0	33.60	0.0	11.80	
12:49	0.0	34.47	0.0	11.80	
12:50	0.0	34.80	0.0	11.53	
12:51	0.0	34.93	0.0	11.40	
12:52	0.0	35.13	0.0	11.13	
12:53	0.0	35.20	0.0	10.93	
12:54	0.0	36.20	0.0	14.47	
12:55	0.0	44.87	0.0	17.13	
12:56	0.0	45.07	0.0	20.13	
12:57	0.0	41.00	0.0	23.20	
12:58	0.0	36.93	0.0	29.73	
12:59	0.0	30.07	0.0	38.27	
13:00	0.0	26.13	0.0	39.87	
13:01	0.0	25.40	0.0	39.93	
13:02	0.0	24.73	0.0	40.33	
13:03	0.0	24.67	0.0	43.67	
13:04	0.0	23.73	0.0	45.20	
13:05	0.0	23.53	0.0	46.73	
13:06	0.0	23.33	0.0	47.20	
13:07	0.0	23.13	0.0	48.40	
13:08	0.0	23.00	0.0	53.13	
13:09	0.0	22.47	0.0	57.80	
13:10	0.0	14.20	0.0	67.73	
13:11	0.0	14.40	0.0	68.47	
13:12	0.0	14.53	0.0	67.93	
13:13	0.0	14.73	0.0	78.87	
13:14	0.0	15.07	0.0	84.00	
13:15	0.0	14.87	0.0	85.93	
13:16	0.0	14.93	0.0	89.00	
13:17	0.0	14.87	0.0	88.80	
13:18	0.0	15.00	0.0	85.47	
13:19	0.0	15.00	0.0	84.07	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:20	0.0	14.93	0.0	82.67	
13:21	0.0	15.00	0.0	82.47	
13:22	0.0	15.33	0.0	81.40	
13:23	0.0	15.60	0.0	76.33	
13:24	0.0	15.33	0.0	68.20	
13:25	0.0	14.87	0.0	55.73	
13:26	0.0	13.13	0.0	51.87	
13:27	0.0	12.60	0.0	49.33	
13:28	0.0	12.47	0.0	32.00	
13:29	0.0	12.20	0.0	18.93	
13:30	0.0	12.20	0.0	16.40	
13:31	0.0	12.33	0.0	13.47	
13:32	0.0	12.20	0.0	13.00	
13:33	0.0	12.40	0.0	12.73	
13:34	0.0	12.80	0.0	12.53	
13:35	0.0	12.87	0.0	12.13	
13:36	0.0	13.47	0.0	11.60	
13:37	0.0	13.13	0.0	11.47	
13:38	0.0	12.87	0.0	11.47	
13:39	0.0	12.53	0.0	11.27	
13:40	0.0	12.53	0.0	11.13	
13:41	0.0	12.73	0.0	11.27	
13:42	0.0	12.93	0.0	11.40	
13:43	0.0	12.87	0.0	11.40	
13:44	0.0	12.53	0.0	10.93	
13:45	0.0	12.33	0.0	9.87	
13:46	0.0	12.00	0.0	9.33	
13:47	0.0	13.00	0.0	9.13	
13:48	0.0	12.60	0.0	9.07	
13:49	0.0	12.13	0.0	9.00	
13:50	0.0	12.33	0.0	9.00	
13:51	0.0	11.73	0.0	9.00	
13:52	0.0	11.67	0.0	8.73	
13:53	0.0	11.67	0.0	8.80	
13:54	0.0	12.07	0.0	8.73	
13:55	0.0	12.47	0.0	8.73	
13:56	0.0	12.53	0.0	8.67	
13:57	0.0	12.47	0.0	31.00	
13:58	0.0	12.20	0.0	39.67	
13:59	0.0	12.33	0.0	39.33	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:00	0.0	14.87	0.0	57.87	
14:01	0.0	16.40	0.0	115.87	
14:02	0.0	17.67	0.0	155.93	The above grade concrete demolition moved down the wall along the western edge of the property and the moved CAMP station became in the vicinity of the immediate work area again. The CAMP station was moved slightly again to be out of the immediate work area. The concrete demolition was monitored throughout the day and no visible dust was observed leaving the Site.
14:03	0.0	19.07	0.0	214.53	
14:04	0.0	19.47	0.0	217.53	
14:05	0.0	19.13	0.0	229.67	
14:06	0.0	19.20	0.0	294.67	
14:07	0.0	19.60	0.0	298.53	
14:08	0.0	20.33	0.0	303.00	
14:09	0.0	20.33	0.0	320.33	
14:10	0.0	21.40	0.0	321.00	
14:11	0.0	22.60	0.0	321.87	
14:12	0.0	22.87	0.0	301.47	
14:13	0.0	22.87	0.0	310.53	
14:14	0.0	22.73	0.0	347.47	
14:15	0.0	20.40	0.0	339.67	
14:16	0.0	18.73	0.0	298.87	
14:17	0.0	18.07	0.0	269.07	
14:18	0.0	21.47	0.0	212.53	
14:19	0.0	22.87	0.0	209.93	
14:20	0.0	25.67	0.0	198.13	
14:21	0.0	30.07	0.0	133.07	
14:22	0.0	34.13	0.0	133.53	
14:23	0.0	40.07	0.0	132.67	
14:24	0.0	46.47	0.0	116.53	
14:25	0.0	56.40	0.0	120.53	
14:26	0.0	59.47	0.0	120.87	
14:27	0.0	60.07	0.0	129.13	
14:28	0.0	61.07	0.0	128.20	
14:29	0.0	61.53	0.0	91.80	
14:30	0.0	62.67	0.0	81.33	
14:31	0.0	64.87	0.0	70.27	
14:32	0.0	65.80	0.0	65.13	
14:33	0.0	61.40	0.0	68.80	
14:34	0.0	59.67	0.0	73.27	
14:35	0.0	56.80	0.0	80.53	
14:36	0.0	52.13	0.0	86.93	
14:37	0.0	47.53	0.0	83.07	
14:38	0.0	40.60	0.0	101.07	
14:39	0.0	34.07	0.0	100.67	

CAMP Monitoring - 1/11/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - ENE at 3mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:40	0.0	23.00	0.0	96.13	
14:41	0.0	18.67	0.0	94.87	
14:42	0.0	17.93	0.0	84.73	
14:43	0.0	19.47	0.0	67.87	
14:44	0.0	22.60	0.0	75.80	
14:45	0.0	25.13	0.0	77.73	
14:46	0.0	35.07	0.0	74.80	Intrusive Work Completed for the Day
14:47	0.0	35.80	0.0	71.20	
14:48	0.0	37.00	0.0	66.27	
14:49	0.0	38.20	0.0	62.53	
14:50	0.0	39.53	0.0	57.00	
14:51	0.0	41.53	0.0	53.20	
14:52	0.0	43.67	0.0	53.87	
14:53	0.0	48.73	0.0	33.80	
14:54	0.0	57.13	0.0	51.33	
14:55	0.0	61.93	0.0	55.40	
14:56	0.0	66.40	0.0	64.80	
14:57	0.0	68.00	0.0	75.27	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Tuesday January 24, 2023 and Friday January 27, 2023

PREPARED BY	Michael Huston

General Notes: Community air monitoring on Tuesday January 24, 2023, for soil loadout and offsite disposal of 8 triaxle dump trucks and again on Friday January 27, 2023, for soil loadout and offsite disposal of 6 triaxle dump trucks.

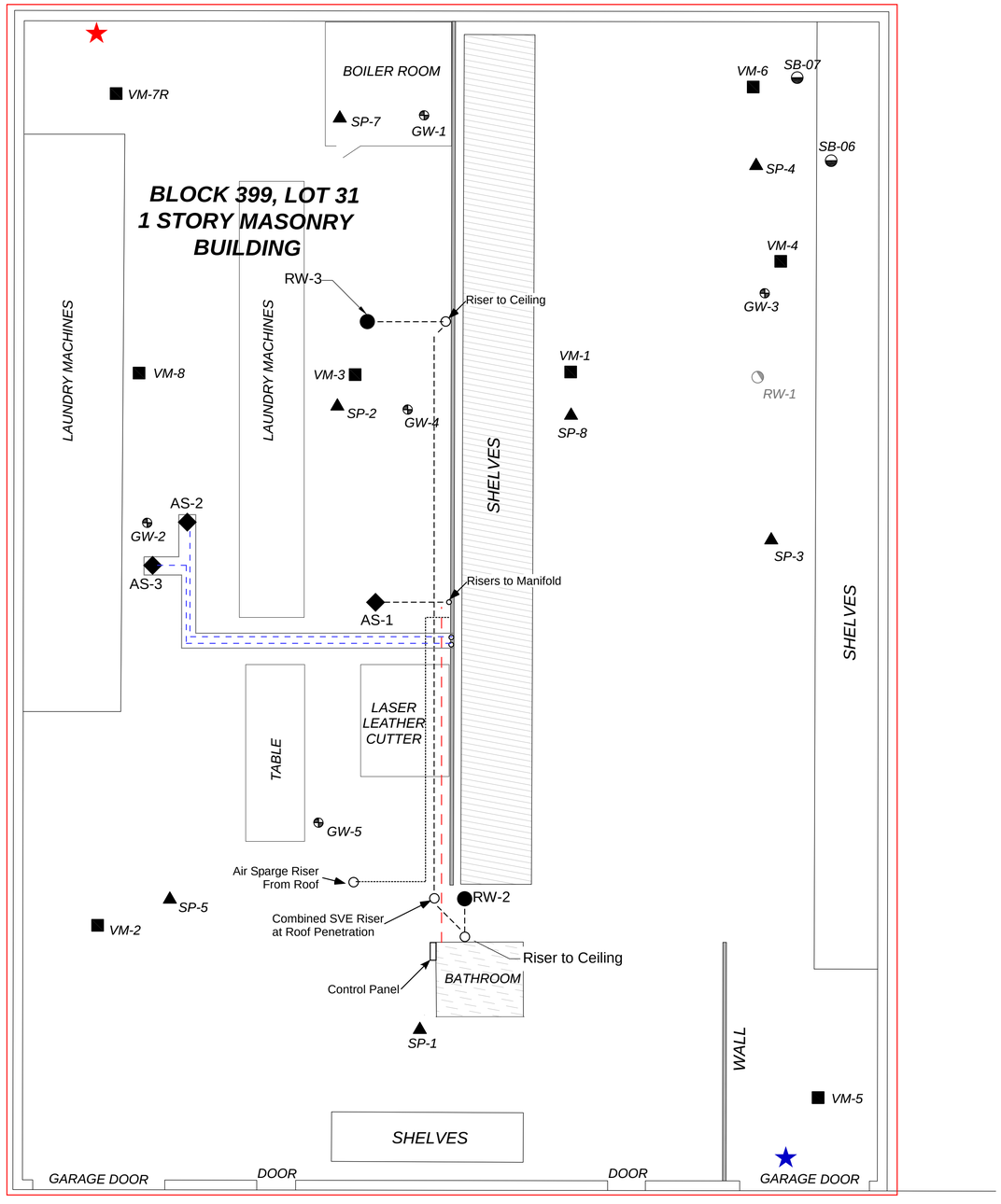
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates during the load out of dump trucks in the southeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - The dust meters on both Tuesday January 24 and Friday January 27, 2023 failed to log data. No visible dust was observed, and no audible alarms occurred during the loading of the dump trucks.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Southwest	Southwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates during the loadout of dump trucks in the southeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - The dust meters on both Tuesday January 24 and Friday January 27, 2023 failed to log data. No visible dust was observed, and no audible alarms occurred during the loading of the dump trucks.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 12-13-2022
DES: NK	DATE: 12-13-2022
CHK: NK	DATE: 12-13-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 1/24/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:19	--	--	--	--	START CAMP Monitoring
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	--	--	--	--	
7:25	--	--	--	--	
7:26	--	--	--	--	
7:27	--	--	--	--	
7:28	--	--	--	--	
7:29	--	--	--	--	
7:30	--	--	--	--	
7:31	--	--	--	--	
7:32	--	--	--	--	
7:33	0.0	--	0.0	--	The PM10 Dust meters malfunctioned and did not continuously log data. Readings shown were manually recorded during intermittent checks of the meters. The meters were still operating continuously and there were no audible alarms indicating an exceedance. In addition, no visible dust was observed or generated.
7:34	0.0	--	0.0	--	
7:35	0.0	--	0.0	--	
7:36	0.0	--	0.0	--	
7:37	0.0	--	0.0	--	
7:38	0.0	--	0.0	--	
7:39	0.0	--	0.0	--	
7:40	0.0	--	0.0	--	
7:41	0.0	--	0.0	--	
7:42	0.0	--	0.0	--	
7:43	0.0	--	0.0	--	
7:44	0.0	--	0.0	--	
7:45	0.0	--	0.0	--	
7:46	0.0	--	0.0	--	
7:47	0.0	--	0.0	--	
7:48	0.0	--	0.0	--	
7:49	0.0	--	0.0	--	
7:50	0.0	--	0.0	--	
7:51	0.0	--	0.0	--	
7:52	0.0	--	0.0	--	
7:53	0.0	--	0.0	--	
7:54	0.0	--	0.0	--	
7:55	0.0	--	0.0	--	
7:56	0.0	20.00	0.0	--	
7:57	0.0	--	0.0	--	
7:58	0.0	--	0.0	--	

CAMP Monitoring - 1/24/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:59	0.0	--	0.0	--	
8:00	0.0	--	0.0	--	
8:01	0.0	--	0.0	--	
8:02	0.0	--	0.0	--	
8:03	0.0	--	0.0	--	
8:04	0.0	--	0.0	--	
8:05	0.0	--	0.0	--	
8:06	0.0	--	0.0	--	
8:07	0.0	--	0.0	--	
8:08	0.0	--	0.0	--	
8:09	0.0	--	0.0	--	
8:10	0.0	--	0.0	--	
8:11	0.0	--	0.0	--	
8:12	0.0	--	0.0	--	
8:13	0.0	--	0.0	--	
8:14	0.0	--	0.0	--	
8:15	0.0	--	0.0	--	
8:16	0.0	--	0.0	--	
8:17	0.0	--	0.0	--	
8:18	0.0	--	0.0	--	
8:19	0.0	--	0.0	--	
8:20	0.0	--	0.0	--	
8:21	0.0	--	0.0	--	
8:22	0.0	--	0.0	--	
8:23	0.0	--	0.0	--	
8:24	0.0	--	0.0	--	
8:25	0.0	--	0.0	--	
8:26	0.0	--	0.0	--	
8:27	0.0	--	0.0	--	
8:28	0.0	--	0.0	--	
8:29	0.0	22.00	0.0	--	
8:30	0.0	--	0.0	--	
8:31	0.0	--	0.0	--	
8:32	0.0	--	0.0	--	
8:33	0.0	--	0.0	--	
8:34	0.0	--	0.0	--	
8:35	0.0	--	0.0	--	
8:36	0.0	--	0.0	--	
8:37	0.0	--	0.0	--	
8:38	0.0	--	0.0	--	

CAMP Monitoring - 1/24/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 5mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:39	0.0	--	0.0	--	
8:40	0.0	--	0.0	--	
8:41	0.0	--	0.0	--	
8:42	0.0	--	0.0	--	
8:43	0.0	--	0.0	--	
8:44	0.0	--	0.0	--	
8:45	0.0	--	0.0	--	
8:46	0.0	--	0.0	--	
8:47	0.0	--	0.0	--	
8:48	0.0	--	0.0	--	
8:49	0.0	--	0.0	--	
8:50	0.0	--	0.0	--	
8:51	0.0	--	0.0	--	
8:52	0.0	--	0.0	--	
8:53	0.0	--	0.0	--	
8:54	0.0	--	0.0	--	
8:55	0.0	--	0.0	--	
8:56	0.0	--	0.0	--	
8:57	0.0	--	0.0	--	
8:58	0.0	--	0.0	--	
8:59	0.0	--	0.0	--	Complete Soil Loadout/Intrusive Activities
9:00	0.0	--	0.0	--	
9:01	0.0	--	0.0	--	
9:02	0.0	--	0.0	--	
9:03	0.0	--	0.0	--	
9:04	0.0	--	0.0	--	
9:05	0.0	--	0.0	--	
9:06	0.0	--	0.0	--	
9:07	0.0	--	0.0	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

CAMP Monitoring - 1/27/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:19	--	--	--	--	START CAMP Monitoring
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	--	--	--	--	
7:25	--	--	--	--	
7:26	--	--	--	--	
7:27	--	--	--	--	
7:28	--	--	--	--	
7:29	--	--	--	--	
7:30	--	--	--	--	
7:31	--	--	--	--	
7:32	--	--	--	--	
7:33	0.0	--	0.0	--	The PM10 Dust meters malfunctioned and did not continuously log data. Readings shown were manually recorded during intermittent checks of the meters. The meters were still operating continuously and there were no audible alarms indicating an exceedance. In addition, no visible dust was observed or generated.
7:34	0.0	--	0.0	--	
7:35	0.0	--	0.0	--	
7:36	0.0	--	0.0	--	
7:37	0.0	--	0.0	--	
7:38	0.0	--	0.0	--	
7:39	0.0	--	0.0	--	
7:40	0.0	--	0.0	--	
7:41	0.0	--	0.0	--	
7:42	0.0	--	0.0	--	
7:43	0.0	--	0.0	--	
7:44	0.0	--	0.0	--	
7:45	0.0	--	0.0	--	
7:46	0.0	--	0.0	--	
7:47	0.0	--	0.0	--	
7:48	0.0	--	0.0	--	
7:49	0.0	--	0.0	--	
7:50	0.0	--	0.0	--	
7:51	0.0	--	0.0	--	
7:52	0.0	--	0.0	--	
7:53	0.0	--	0.0	--	
7:54	0.0	--	0.0	--	
7:55	0.0	--	0.0	--	
7:56	0.0	--	0.0	--	
7:57	0.0	--	0.0	--	
7:58	0.0	--	0.0	--	

CAMP Monitoring - 1/27/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:59	0.0	--	0.0	--	
8:00	0.0	--	0.0	--	
8:01	0.0	--	0.0	--	
8:02	0.0	--	0.0	--	
8:03	0.0	--	0.0	--	
8:04	0.0	--	0.0	--	
8:05	0.0	--	0.0	--	
8:06	0.0	--	0.0	--	
8:07	0.0	--	0.0	--	
8:08	0.0	--	0.0	--	
8:09	0.0	--	0.0	--	
8:10	0.0	--	0.0	--	
8:11	0.0	--	0.0	--	
8:12	0.0	--	0.0	--	
8:13	0.0	--	0.0	--	
8:14	0.0	--	0.0	--	
8:15	0.0	--	0.0	--	
8:16	0.0	--	0.0	--	
8:17	0.0	--	0.0	--	
8:18	0.0	--	0.0	--	
8:19	0.0	--	0.0	--	
8:20	0.0	--	0.0	--	
8:21	0.0	--	0.0	--	
8:22	0.0	--	0.0	--	
8:23	0.0	--	0.0	--	
8:24	0.0	--	0.0	--	
8:25	0.0	--	0.0	--	
8:26	0.0	--	0.0	--	
8:27	0.0	--	0.0	--	
8:28	0.0	--	0.0	--	
8:29	0.0	--	0.0	--	
8:30	0.0	--	0.0	--	
8:31	0.0	--	0.0	--	
8:32	0.0	--	0.0	--	
8:33	0.0	--	0.0	--	
8:34	0.0	--	0.0	--	
8:35	0.0	--	0.0	--	
8:36	0.0	--	0.0	--	
8:37	0.0	--	0.0	--	
8:38	0.0	--	0.0	--	

CAMP Monitoring - 1/27/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - W at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) (µg/m^3)	VOC (Avg15) (ppm)	PM10 (Avg15) (µg/m^3)	
8:39	0.0	--	0.0	--	
8:40	0.0	--	0.0	--	
8:41	0.0	--	0.0	--	
8:42	0.0	--	0.0	--	
8:43	0.0	--	0.0	--	
8:44	0.0	--	0.0	--	
8:45	0.0	--	0.0	--	
8:46	0.0	--	0.0	--	
8:47	0.0	--	0.0	--	
8:48	0.0	--	0.0	--	
8:49	0.0	--	0.0	--	
8:50	0.0	--	0.0	--	
8:51	0.0	--	0.0	--	
8:52	0.0	--	0.0	--	
8:53	0.0	--	0.0	--	
8:54	0.0	--	0.0	--	
8:55	0.0	--	0.0	--	
8:56	0.0	--	0.0	--	
8:57	0.0	--	0.0	--	
8:58	0.0	--	0.0	--	
8:59	0.0	--	0.0	--	Complete Soil Loadout/Intrusive Activities
9:00	0.0	--	0.0	--	
9:01	0.0	--	0.0	--	
9:02	0.0	--	0.0	28.00	
9:03	0.0	--	0.0	--	
9:04	0.0	--	0.0	--	
9:05	0.0	--	0.0	--	
9:06	0.0	26.00	0.0	--	
9:07	0.0	--	0.0	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Monday January 30, 2023

PREPARED BY	Michael Huston

General Notes: Community air monitoring on Monday January 30, 2023, for soil loadout and offsite disposal of 5 triaxle dump trucks.

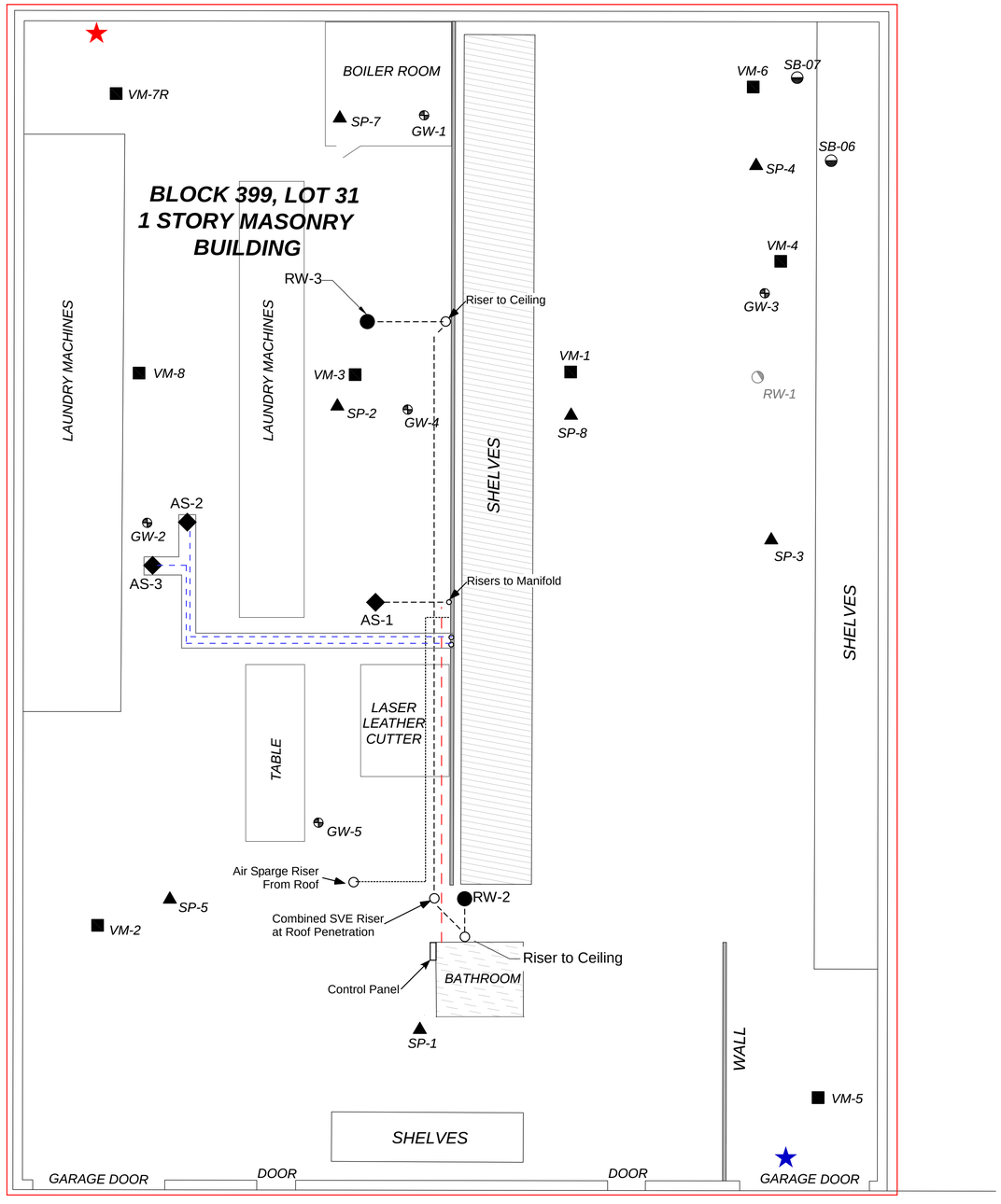
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates during the load out of dump trucks in the southeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - The dust meter data was corrupted/unable to be downloaded from the device. No visible dust was observed, and no audible alarms occurred during the loading of the dump trucks.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Southwest	Southwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates during the loadout of dump trucks in the southeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - The dust meter data was corrupted/unable to be downloaded from the device. No visible dust was observed, and no audible alarms occurred during the loading of the dump trucks.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN: AN	DATE: 12-13-2022
DES: NK	DATE: 12-13-2022
CHK: NK	DATE: 12-13-2022
SCALE: AS NOTED	PROJECT NO.: BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 1/30/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - WSW at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:10	--	--	--	--	START CAMP Monitoring
7:11	--	--	--	--	
7:12	--	--	--	--	
7:13	--	--	--	--	
7:14	--	--	--	--	
7:15	--	--	--	--	
7:16	--	--	--	--	
7:17	--	--	--	--	
7:18	--	--	--	--	
7:19	--	--	--	--	
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	0.0	--	0.0	--	The PM10 Dust meters malfunctioned and logged data became corrupted and unable to be donwloaded. Readings shown were manually recorded during intermittent checks of the meters. The meters were still operating continuously and there were no audible alarms indicating an exceedance. In addition, no visible dust was observed or generated.
7:25	0.0	--	0.0	--	
7:26	0.0	--	0.0	--	
7:27	0.0	--	0.0	--	
7:28	0.0	--	0.0	--	
7:29	0.0	--	0.0	--	
7:30	0.0	--	0.0	--	
7:31	0.0	--	0.0	--	
7:32	0.0	--	0.0	--	
7:33	0.0	--	0.0	--	
7:34	0.0	--	0.0	--	
7:35	0.0	--	0.0	--	
7:36	0.0	--	0.0	--	
7:37	0.0	--	0.0	--	
7:38	0.0	--	0.0	--	
7:39	0.0	--	0.0	--	
7:40	0.0	--	0.0	--	
7:41	0.0	--	0.0	--	
7:42	0.0	--	0.0	--	
7:43	0.0	--	0.0	--	
7:44	0.0	--	0.0	--	
7:45	0.0	--	0.0	--	
7:46	0.0	--	0.0	--	
7:47	0.0	--	0.0	--	
7:48	0.0	--	0.0	--	
7:49	0.0	--	0.0	--	

CAMP Monitoring - 1/30/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - WSW at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:50	0.0	--	0.0	--	
7:51	0.0	--	0.0	--	
7:52	0.0	--	0.0	--	
7:53	0.0	--	0.0	--	
7:54	0.0	--	0.0	--	
7:55	0.0	--	0.0	--	
7:56	0.0	--	0.0	--	
7:57	0.0	--	0.0	--	
7:58	0.0	--	0.0	--	
7:59	0.0	--	0.0	--	
8:00	0.0	--	0.0	--	
8:01	0.0	--	0.0	--	
8:02	0.0	--	0.0	--	
8:03	0.0	--	0.0	--	
8:04	0.0	--	0.0	--	
8:05	0.0	--	0.0	--	
8:06	0.0	--	0.0	--	
8:07	0.0	--	0.0	--	
8:08	0.0	--	0.0	--	
8:09	0.0	--	0.0	--	
8:10	0.0	--	0.0	--	
8:11	0.0	--	0.0	--	
8:12	0.0	--	0.0	--	
8:13	0.0	--	0.0	--	
8:14	0.0	--	0.0	--	
8:15	0.0	--	0.0	--	
8:16	0.0	--	0.0	--	
8:17	0.0	--	0.0	--	
8:18	0.0	--	0.0	--	
8:19	0.0	--	0.0	--	
8:20	0.0	--	0.0	--	
8:21	0.0	--	0.0	--	
8:22	0.0	--	0.0	--	
8:23	0.0	--	0.0	--	
8:24	0.0	--	0.0	--	
8:25	0.0	--	0.0	--	
8:26	0.0	--	0.0	--	
8:27	0.0	--	0.0	--	
8:28	0.1	--	0.0	--	
8:29	0.1	--	0.0	--	

CAMP Monitoring - 1/30/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - WSW at 2mph

Time	NorthEast Station		SouthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) (µg/m^3)	VOC (Avg15) (ppm)	PM10 (Avg15) (µg/m^3)	
8:30	0.1	--	0.0	--	
8:31	0.1	--	0.0	--	
8:32	0.1	--	0.0	--	
8:33	0.1	--	0.0	--	
8:34	0.1	--	0.0	--	
8:35	0.1	--	0.0	--	
8:36	0.1	--	0.0	--	
8:37	0.1	--	0.0	--	
8:38	0.1	--	0.0	--	
8:39	0.1	--	0.0	--	
8:40	0.1	--	0.0	--	
8:41	0.1	--	0.0	--	
8:42	0.1	--	0.0	--	Complete Soil Loadout/Intrusive Activities
8:43	0.1	--	0.0	--	
8:44	0.0	--	0.0	--	
8:45	0.0	--	0.0	--	
8:46	0.0	--	0.0	--	
8:47	0.0	--	0.0	--	
8:48	0.0	--	0.0	--	
8:49	0.0	--	0.0	--	
8:50	0.0	--	0.0	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		184.20	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

Monday February 6, 2023, and Tuesday February 7, 2023

PREPARED BY	Michael Huston

General Notes: Community air monitoring on Monday, February 6 and Tuesday, February 7, 2023. On Monday soil was placed onto completed sections of the concrete mat foundation and excavation was conducted in the southwest corner of the site. On Tuesday soil was loaded into 6 dump trucks for offsite disposal and a trench excavation was conducted along the south side of the site.

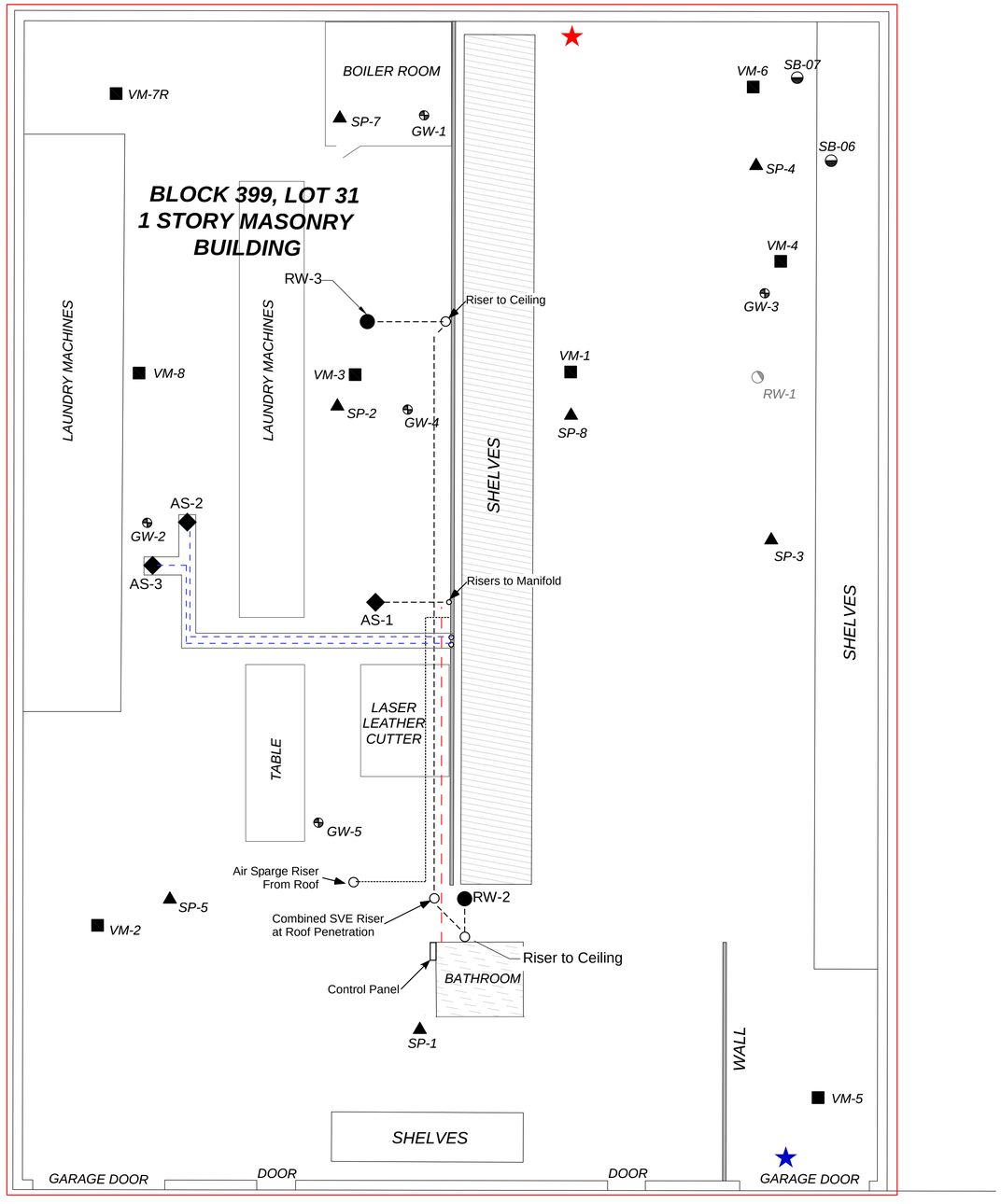
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates in the northeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
    - On Monday February 6, 2023, the PID encountered battery issues. Therefore, readings after approximately 10:45AM are intermittent.
  - No PM10 exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Northwest	Southwest/Northwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates in the southwest/northwest corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - On Monday February 6, 2023, the Southwest station exceeded the monitoring limits at 7:43AM due to the station being in the immediate vicinity of the excavation area. The dust meter was then moved to the Northwest side of the site away from the ongoing excavation. NO visible dust was observed leaving the site during the small exceedance period.
  - No PM10 exceedances were reported on Tuesday February 7, 2023.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST/NORTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN	AN	DATE	12-13-2022
DES	NK	DATE	12-13-2022
CHK	NK	DATE	12-13-2022
SCALE	AS NOTED	PROJECT NO.	BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:08	--	--	--	--	START CAMP Monitoring
7:09	--	--	--	--	
7:10	--	--	--	--	
7:11	--	--	--	--	
7:12	--	--	--	--	
7:13	--	--	--	--	
7:14	--	--	--	--	
7:15	--	--	--	--	
7:16	--	--	--	--	
7:17	--	--	--	--	
7:18	--	--	--	--	
7:19	--	--	0.0	--	
7:20	--	--	0.0	--	
7:21	--	--	0.0	--	
7:22	0.0	92.33	0.0	82.60	NOTE: Background PM10 levels are higher than typical. This is likely due to meter calibration and/or a high background particulate day.
7:23	0.0	93.07	0.0	89.53	
7:24	0.0	95.00	0.0	96.60	
7:25	0.0	96.07	0.0	98.47	
7:26	0.0	95.73	0.0	101.33	
7:27	0.0	96.60	0.0	103.93	
7:28	0.0	97.33	0.0	105.60	
7:29	0.0	97.27	0.0	106.87	
7:30	0.0	97.73	0.0	108.13	Begin onsite soil moving/stockpiling.
7:31	0.0	97.40	0.0	110.53	
7:32	0.0	96.87	0.0	116.40	
7:33	0.0	97.07	0.0	121.60	
7:34	0.0	97.33	0.0	136.93	
7:35	0.0	97.87	0.0	151.47	
7:36	0.0	98.20	0.0	155.60	
7:37	0.0	98.13	0.0	161.53	
7:38	0.0	100.67	0.0	170.40	
7:39	0.0	138.27	0.0	199.00	
7:40	0.0	146.20	0.0	206.80	
7:41	0.0	161.00	0.0	213.87	
7:42	0.0	178.13	0.0	231.33	
7:43	0.0	185.33	0.0	249.07	Trenching began in the immediate vicinity of the of the CAMP station and it was determined excavation would continue in this area throughout the day. Therefore, the CAMP station was moved slightly to the north and outside of the immediate excavation area.
7:44	0.0	186.00	0.0	250.33	
7:45	0.0	184.27	0.0	259.60	
7:46	0.0	183.60	0.0	259.60	
7:47	0.0	181.60	0.0	263.00	
7:48	0.0	180.87	0.0	259.93	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:49	0.0	179.33	0.0	244.60	
7:50	0.0	178.27	0.0	233.20	
7:51	0.0	177.20	0.0	230.07	
7:52	0.0	176.87	0.0	225.07	
7:53	0.0	174.20	0.0	214.87	
7:54	0.0	136.87	0.0	184.93	
7:55	0.0	128.13	0.0	175.60	
7:56	0.0	111.40	0.0	168.93	
7:57	0.0	92.07	0.0	148.47	
7:58	0.0	82.33	0.0	130.07	
7:59	0.0	80.13	0.0	126.73	
8:00	0.0	81.13	0.0	116.20	
8:01	0.0	81.67	0.0	114.00	
8:02	0.0	83.20	0.0	107.33	
8:03	0.0	82.40	0.0	106.33	
8:04	0.0	82.00	0.0	104.87	
8:05	0.0	80.53	0.0	102.07	
8:06	0.0	81.80	0.0	101.87	
8:07	0.0	84.33	0.0	101.47	
8:08	0.0	85.47	0.0	104.07	
8:09	0.0	85.80	0.0	106.67	
8:10	0.0	86.13	0.0	114.40	
8:11	0.0	85.87	0.0	116.27	
8:12	0.0	85.27	0.0	117.00	
8:13	0.0	85.00	0.0	115.27	
8:14	0.0	84.33	0.0	117.33	
8:15	0.0	83.40	0.0	115.53	
8:16	0.0	82.07	0.0	113.53	
8:17	0.0	79.60	0.0	111.20	
8:18	0.0	79.07	0.0	108.73	
8:19	0.0	78.40	0.0	108.27	
8:20	0.0	78.47	0.0	106.67	
8:21	0.0	77.93	0.0	102.93	
8:22	0.0	74.27	0.0	100.53	
8:23	0.0	71.33	0.0	97.67	
8:24	0.0	67.00	0.0	94.00	
8:25	0.0	64.87	0.0	85.27	
8:26	0.0	64.47	0.0	81.87	
8:27	0.0	64.67	0.0	80.00	
8:28	0.0	64.60	0.0	79.20	
8:29	0.0	64.53	0.0	76.33	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:30	0.0	64.60	0.0	75.93	
8:31	0.0	64.20	0.0	75.67	
8:32	0.0	65.13	0.0	73.40	
8:33	0.0	64.47	0.0	72.80	
8:34	0.0	64.33	0.0	72.07	
8:35	0.0	64.33	0.0	70.93	
8:36	0.0	62.60	0.0	70.80	
8:37	0.0	63.00	0.0	70.00	
8:38	0.0	62.93	0.0	69.67	
8:39	0.0	63.00	0.0	69.33	
8:40	0.0	63.73	0.0	69.33	
8:41	0.0	68.33	0.0	66.40	
8:42	0.0	69.07	0.0	66.00	
8:43	0.0	68.80	0.0	65.80	
8:44	0.0	69.47	0.0	65.40	
8:45	0.0	70.93	0.0	65.27	
8:46	0.0	70.80	0.0	64.60	
8:47	0.0	69.87	0.0	64.73	
8:48	0.0	71.80	0.0	64.80	
8:49	0.0	78.20	0.0	65.20	
8:50	0.0	79.53	0.0	65.33	
8:51	0.0	79.07	0.0	65.33	
8:52	0.0	78.33	0.0	65.60	
8:53	0.0	79.00	0.0	64.87	
8:54	0.0	79.00	0.0	64.67	
8:55	0.0	79.80	0.0	63.53	
8:56	0.0	76.07	0.0	62.87	
8:57	0.0	75.87	0.0	62.87	
8:58	0.0	76.87	0.0	62.67	
8:59	0.0	76.53	0.0	63.40	
9:00	0.0	74.07	0.0	63.40	
9:01	0.0	74.00	0.0	64.33	
9:02	0.0	75.00	0.0	64.33	
9:03	0.0	76.53	0.0	63.80	
9:04	0.0	71.27	0.0	63.33	
9:05	0.0	72.27	0.0	63.13	
9:06	0.0	73.73	0.0	63.07	
9:07	0.0	77.20	0.0	63.40	
9:08	0.0	79.67	0.0	63.93	
9:09	0.0	80.20	0.0	64.60	
9:10	0.0	79.73	0.0	64.73	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:11	0.0	94.07	0.0	64.67	
9:12	0.0	108.13	0.0	64.47	
9:13	0.0	112.47	0.0	64.40	
9:14	0.0	115.87	0.0	64.13	
9:15	0.0	116.80	0.0	64.13	
9:16	0.0	116.67	0.0	63.80	
9:17	0.0	116.27	0.0	63.40	
9:18	0.0	113.20	0.0	63.47	
9:19	0.0	114.13	0.0	63.80	
9:20	0.0	113.40	0.0	63.87	
9:21	0.0	113.67	0.0	64.20	
9:22	0.0	113.13	0.0	64.13	
9:23	0.0	110.33	0.0	63.80	
9:24	0.0	111.07	0.0	63.47	
9:25	0.0	113.73	0.0	63.93	
9:26	0.0	99.93	0.0	64.40	
9:27	0.0	87.13	0.0	65.40	
9:28	0.0	85.07	0.0	65.87	
9:29	0.0	82.40	0.0	67.93	
9:30	0.0	84.27	0.0	72.13	
9:31	0.0	85.20	0.0	73.40	
9:32	0.0	85.87	0.0	75.07	
9:33	0.0	86.00	0.0	81.47	
9:34	0.0	90.67	0.0	83.73	
9:35	0.0	89.40	0.0	85.47	
9:36	0.0	91.40	0.0	87.80	
9:37	0.0	89.60	0.0	89.13	
9:38	0.0	90.00	0.0	91.07	
9:39	0.0	89.67	0.0	93.07	
9:40	0.0	86.73	0.0	94.67	
9:41	0.0	87.00	0.0	97.33	
9:42	0.0	87.13	0.0	99.33	
9:43	0.0	84.93	0.0	106.53	
9:44	0.0	85.27	0.0	106.80	
9:45	0.0	85.40	0.0	104.20	
9:46	0.0	85.07	0.0	104.20	
9:47	0.0	85.00	0.0	108.93	
9:48	0.0	87.20	0.0	103.60	
9:49	0.0	81.33	0.0	102.20	
9:50	0.0	81.13	0.0	100.67	
9:51	0.0	78.20	0.0	98.80	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:52	0.0	77.53	0.0	97.80	
9:53	0.0	77.13	0.0	96.67	
9:54	0.0	78.27	0.0	95.00	
9:55	0.0	78.47	0.0	96.07	
9:56	0.0	78.33	0.0	93.60	
9:57	0.0	77.67	0.0	91.60	
9:58	0.0	79.13	0.0	85.40	
9:59	0.0	78.73	0.0	83.33	
10:00	0.0	76.87	0.0	82.40	
10:01	0.0	77.07	0.0	82.87	
10:02	0.0	77.40	0.0	78.20	
10:03	0.0	75.73	0.0	77.93	
10:04	0.0	76.13	0.0	79.27	
10:05	0.0	77.00	0.0	81.47	
10:06	0.0	77.80	0.0	82.33	
10:07	0.0	77.73	0.0	82.93	
10:08	0.0	80.47	0.0	82.87	
10:09	0.0	80.20	0.0	84.07	
10:10	0.0	80.80	0.0	84.07	
10:11	0.0	81.20	0.0	87.73	
10:12	0.0	81.07	0.0	88.20	
10:13	0.0	80.87	0.0	87.47	
10:14	0.0	80.27	0.0	87.33	
10:15	0.0	80.60	0.0	87.80	
10:16	0.0	80.00	0.0	88.00	
10:17	0.0	79.87	0.0	87.27	
10:18	0.0	80.67	0.0	87.13	
10:19	0.0	83.27	0.0	85.27	
10:20	0.0	105.53	0.0	83.20	
10:21	0.1	118.80	0.0	82.40	
10:22	0.1	123.73	0.0	82.60	
10:23	0.1	123.80	0.0	82.40	
10:24	0.1	124.53	0.0	81.33	
10:25	0.1	125.20	0.0	79.60	
10:26	0.1	130.47	0.0	76.00	
10:27	0.1	130.93	0.0	78.00	
10:28	0.1	130.00	0.0	83.73	
10:29	0.1	131.13	0.0	84.73	
10:30	0.1	130.20	0.0	97.00	
10:31	0.1	130.40	0.0	100.20	
10:32	0.1	133.40	0.0	107.20	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:33	0.1	132.60	0.0	111.33	
10:34	0.1	129.87	0.0	116.00	
10:35	0.1	106.13	0.0	125.93	
10:36	0.1	91.33	0.0	132.33	
10:37	0.0	85.93	0.0	137.07	
10:38	0.0	82.67	0.0	145.93	
10:39	0.0	84.47	0.0	146.13	
10:40	0.0	85.40	0.0	144.87	
10:41	0.0	78.60	0.0	144.13	
10:42	0.0	76.73	0.0	140.53	
10:43	0.0	76.27	0.0	136.53	
10:44	0.0	75.47	0.0	138.53	
10:45	0.0	75.53	0.0	125.93	
10:46	0.0	75.27	0.0	120.27	
10:47	--	70.87	0.0	112.13	
10:48	--	70.20	0.0	108.60	
10:49	--	69.80	0.0	103.20	
10:50	--	69.93	0.0	93.60	
10:51	--	70.13	0.0	92.27	
10:52	--	79.93	0.0	88.20	
10:53	--	80.20	0.0	74.33	
10:54	--	76.67	0.0	69.20	
10:55	--	73.40	0.0	64.93	
10:56	--	73.73	0.0	60.93	
10:57	--	73.87	0.0	60.47	
10:58	--	73.27	0.0	57.27	
10:59	0.0	72.87	0.0	53.00	
11:00	0.0	73.13	0.0	51.87	
11:01	0.0	72.60	0.0	51.60	
11:02	0.0	72.87	0.0	50.93	
11:03	0.0	72.67	0.0	48.60	
11:04	0.0	72.27	0.0	47.80	
11:05	0.0	71.53	0.0	46.20	
11:06	0.0	70.53	0.0	39.47	
11:07	0.0	59.80	0.0	36.40	
11:08	0.0	58.80	0.0	39.40	
11:09	0.0	58.13	0.0	42.73	
11:10	0.0	58.87	0.0	46.27	
11:11	0.0	58.73	0.0	51.93	
11:12	0.0	58.60	0.0	53.53	
11:13	0.0	57.73	0.0	54.47	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:14	0.0	58.20	0.0	54.47	
11:15	0.0	57.47	0.0	53.93	
11:16	--	57.47	0.0	53.80	
11:17	--	56.87	0.0	54.00	
11:18	--	56.53	0.0	54.13	
11:19	--	57.87	0.0	54.40	
11:20	--	58.07	0.0	54.47	
11:21	--	59.00	0.0	54.80	
11:22	--	61.80	0.0	55.13	
11:23	--	63.00	0.0	55.87	
11:24	--	63.27	0.0	56.20	
11:25	--	62.40	0.0	56.13	
11:26	--	61.53	0.0	55.87	
11:27	--	62.00	0.0	58.27	
11:28	--	62.47	0.0	59.87	
11:29	--	62.93	0.0	62.73	
11:30	--	63.73	0.0	65.27	
11:31	--	64.27	0.0	67.20	
11:32	--	64.40	0.0	67.33	
11:33	--	64.33	0.0	67.60	
11:34	--	62.93	0.0	68.07	
11:35	--	64.13	0.0	69.20	
11:36	--	64.20	0.1	69.93	
11:37	--	62.27	0.1	69.73	
11:38	--	61.87	0.1	70.47	
11:39	--	61.73	0.1	71.40	
11:40	--	61.67	0.1	72.87	
11:41	--	61.53	0.1	70.60	
11:42	--	61.40	0.1	66.20	
11:43	0.0	62.00	0.1	63.87	
11:44	0.0	61.13	0.1	60.93	
11:45	0.0	60.07	0.1	59.13	
11:46	0.0	60.33	0.1	59.53	
11:47	0.0	60.00	0.1	61.40	
11:48	0.0	59.20	0.1	61.60	
11:49	0.0	58.00	0.1	62.13	
11:50	0.0	57.13	0.1	62.73	
11:51	0.0	57.27	0.1	64.13	
11:52	0.0	56.93	0.1	65.27	
11:53	0.0	56.07	0.1	64.27	
11:54	--	54.93	0.1	64.33	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:55	--	55.00	0.2	65.33	
11:56	--	54.93	0.2	67.47	
11:57	--	54.53	0.2	69.87	
11:58	--	54.27	0.2	70.87	
11:59	--	53.87	0.2	71.67	
12:00	--	53.93	0.2	71.33	
12:01	--	53.47	0.2	68.73	
12:02	--	53.73	0.2	66.67	
12:03	--	54.87	0.2	66.80	
12:04	--	54.60	0.2	66.00	
12:05	--	53.67	0.2	64.00	
12:06	--	52.53	0.2	61.20	
12:07	--	51.67	0.2	59.87	
12:08	--	51.13	0.2	59.47	
12:09	--	50.80	0.2	58.00	
12:10	--	50.73	0.2	55.07	
12:11	--	60.20	0.1	52.93	
12:12	--	60.13	0.1	51.53	
12:13	--	58.87	0.1	49.93	
12:14	--	59.20	0.1	48.87	
12:15	--	58.27	0.1	48.27	
12:16	--	57.27	0.1	48.07	
12:17	--	56.73	0.1	47.60	
12:18	--	55.53	0.1	46.67	
12:19	--	55.53	0.1	46.00	
12:20	--	56.53	0.1	45.93	
12:21	--	56.13	0.1	46.00	
12:22	--	56.07	0.1	45.53	
12:23	--	55.93	0.1	45.27	
12:24	--	55.73	0.1	44.80	
12:25	--	55.00	0.1	44.73	
12:26	--	46.60	0.1	44.27	
12:27	--	51.40	0.1	42.93	
12:28	--	51.07	0.1	42.67	
12:29	--	49.33	0.1	42.47	
12:30	--	49.27	0.1	42.60	
12:31	--	49.07	0.1	42.73	
12:32	--	48.73	0.1	42.67	
12:33	--	48.47	0.1	42.67	
12:34	--	48.60	0.1	42.60	
12:35	0.0	48.07	0.1	42.40	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:36	0.0	49.27	0.1	42.53	
12:37	0.0	49.40	0.1	42.73	
12:38	0.0	49.47	0.1	43.00	
12:39	0.0	49.67	0.1	43.13	
12:40	0.0	49.87	0.1	43.20	
12:41	0.0	48.40	0.1	43.73	
12:42	0.0	43.20	0.1	44.00	
12:43	0.0	43.60	0.1	44.33	
12:44	0.0	44.00	0.1	44.27	
12:45	0.0	46.67	0.1	44.27	
12:46	0.0	47.87	0.1	46.00	
12:47	--	49.13	0.1	47.80	
12:48	--	50.20	0.1	51.20	
12:49	--	51.13	0.1	52.27	
12:50	--	52.33	0.1	53.47	
12:51	--	51.53	0.1	53.73	
12:52	--	51.87	0.1	54.33	
12:53	--	52.00	0.1	54.53	
12:54	--	53.40	0.1	55.07	
12:55	--	53.93	0.1	55.33	
12:56	--	54.47	0.1	55.53	
12:57	--	54.87	0.1	55.73	
12:58	--	56.73	0.1	56.13	
12:59	--	58.07	0.1	58.13	
13:00	--	57.13	0.1	58.73	
13:01	--	58.53	0.1	57.60	
13:02	--	59.00	0.1	56.80	
13:03	--	59.47	0.1	53.93	
13:04	--	60.00	0.1	53.20	
13:05	--	60.27	0.1	52.27	
13:06	--	60.93	0.1	51.93	
13:07	--	61.60	0.1	51.47	
13:08	--	63.13	0.1	51.67	
13:09	--	62.47	0.1	51.33	
13:10	0.0	62.87	0.1	51.33	
13:11	0.0	65.73	0.1	51.40	
13:12	0.0	65.53	0.1	51.33	
13:13	0.0	64.80	0.1	51.33	
13:14	0.0	64.67	0.1	49.73	
13:15	0.0	65.47	0.1	49.67	
13:16	0.0	63.93	0.1	49.13	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:17	0.0	64.47	0.1	48.73	
13:18	0.0	64.47	0.1	50.53	
13:19	0.0	63.60	0.1	51.87	
13:20	--	61.80	0.1	53.60	
13:21	--	62.00	0.1	55.07	
13:22	--	61.87	0.1	56.93	
13:23	--	60.93	0.1	56.93	
13:24	--	60.20	0.1	57.67	
13:25	--	59.73	0.1	59.60	
13:26	--	56.87	0.2	60.67	
13:27	--	56.47	0.2	62.47	
13:28	--	55.67	0.2	62.27	
13:29	--	54.73	0.2	61.93	
13:30	--	53.47	0.2	61.27	
13:31	--	53.00	0.2	61.20	
13:32	--	50.80	0.2	61.00	
13:33	--	49.53	0.2	58.93	
13:34	--	50.07	0.2	57.40	
13:35	--	50.20	0.2	55.67	
13:36	--	49.13	0.2	54.40	
13:37	--	49.47	0.2	53.67	
13:38	--	49.33	0.2	53.20	
13:39	--	49.33	0.2	52.60	
13:40	--	48.47	0.2	50.60	
13:41	--	47.73	0.2	49.13	
13:42	--	47.40	0.2	47.07	
13:43	--	46.87	0.2	46.60	
13:44	--	47.60	0.1	46.80	
13:45	--	46.33	0.1	46.93	
13:46	--	45.93	0.1	47.00	
13:47	--	46.53	0.1	46.67	
13:48	--	46.60	0.1	46.73	
13:49	--	45.33	0.1	46.53	
13:50	--	45.33	0.1	46.60	
13:51	--	45.53	0.2	46.27	
13:52	--	44.53	0.1	44.80	
13:53	--	44.27	0.1	44.60	
13:54	--	44.20	0.1	44.67	
13:55	--	45.93	0.1	44.33	
13:56	--	46.47	0.1	44.13	
13:57	--	46.67	0.1	44.33	

CAMP Monitoring - 2/6/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NE at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:58	0.0	47.27	0.1	44.67	
13:59	0.0	46.47	0.1	45.40	
14:00	0.0	47.60	0.1	45.33	
14:01	0.0	48.07	0.1	45.33	
14:02	0.0	48.07	0.1	46.00	
14:03	0.0	48.33	0.1	46.13	
14:04	0.0	48.67	0.1	46.73	
14:05	0.0	49.33	0.1	46.73	
14:06	0.0	49.60	0.1	47.00	
14:07	0.0	49.93	0.1	47.40	
14:08	0.0	50.07	0.1	47.67	
14:09	0.0	50.47	0.1	47.40	
14:10	0.0	49.13	0.1	47.60	
14:11	--	48.67	0.1	47.87	
14:12	--	48.80	0.1	48.07	
14:13	--	48.53	0.1	48.27	
14:14	--	48.53	0.1	47.73	
14:15	--	48.00	0.1	47.67	
14:16	--	47.80	0.1	47.93	
14:17	--	47.67	0.1	47.73	
14:18	--	47.33	0.1	47.60	
14:19	--	47.33	0.1	47.60	
14:20	--	47.13	0.1	47.80	
14:21	--	47.53	0.1	48.00	
14:22	--	47.60	0.1	48.80	
14:23	--	47.33	0.1	49.07	
14:24	--	47.33	0.1	49.67	
14:25	--	47.80	0.1	49.73	Intrusive Work Completed for the Day
14:26	--	48.73	0.1	50.13	
14:27	--	49.20	0.1	50.20	
14:28	--	49.87	0.1	50.80	
14:29	--	49.67	0.1	51.00	
14:30	--	49.53	0.1	52.13	
14:31	--	49.67	0.1	--	
14:32	--	51.00	0.1	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		249.07	Exceeds background levels by 150 µg/m3

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:10	--	--	--	--	START CAMP Monitoring
7:11	--	--	--	--	
7:12	--	--	--	--	
7:13	--	--	--	--	
7:14	--	--	--	--	
7:15	--	--	--	--	
7:16	--	--	--	--	
7:17	--	--	--	--	
7:18	--	--	--	--	
7:19	--	--	--	--	
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	0.0	45.20	0.1	61.80	
7:25	0.0	45.33	0.1	67.07	
7:26	0.1	45.13	0.1	71.73	Begin onsite soil moving/intrusive activities.
7:27	0.1	45.47	0.1	75.60	
7:28	0.1	46.33	0.1	82.67	
7:29	0.1	47.00	0.1	88.27	
7:30	0.1	49.07	0.2	91.73	
7:31	0.1	49.40	0.2	95.00	
7:32	0.1	50.07	0.2	95.67	
7:33	0.1	51.33	0.2	96.60	
7:34	0.1	52.07	0.2	97.47	
7:35	0.1	52.53	0.2	95.67	
7:36	0.1	53.07	0.2	92.60	
7:37	0.1	55.73	0.2	92.27	
7:38	0.1	55.53	0.2	93.00	
7:39	0.1	55.20	0.2	93.53	
7:40	0.1	55.27	0.3	91.60	
7:41	0.1	56.07	0.3	91.13	
7:42	0.1	56.93	0.3	89.33	
7:43	0.1	58.93	0.3	85.73	
7:44	0.1	60.53	0.3	84.80	
7:45	0.1	59.60	0.3	86.73	
7:46	0.1	60.07	0.3	86.27	
7:47	0.1	60.67	0.3	90.20	
7:48	0.2	60.27	0.3	89.73	
7:49	0.2	61.47	0.3	88.40	
7:50	0.2	62.07	0.3	88.00	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:51	0.2	62.00	0.3	91.47	
7:52	0.2	61.07	0.3	91.33	
7:53	0.2	61.47	0.3	91.07	
7:54	0.2	62.07	0.3	91.67	
7:55	0.2	63.73	0.3	94.60	
7:56	0.2	63.80	0.3	95.33	
7:57	0.2	63.93	0.3	96.93	
7:58	0.3	62.93	0.3	98.80	
7:59	0.3	62.27	0.3	95.93	
8:00	0.3	63.33	0.3	93.53	
8:01	0.3	65.40	0.3	92.53	
8:02	0.3	64.47	0.3	90.73	
8:03	0.3	64.33	0.3	92.20	
8:04	0.3	63.27	0.3	91.20	
8:05	0.3	62.80	0.3	91.40	
8:06	0.3	63.27	0.4	91.00	
8:07	0.3	61.67	0.4	95.13	
8:08	0.3	62.60	0.4	98.07	
8:09	0.4	63.53	0.4	98.87	
8:10	0.4	62.53	0.4	96.53	
8:11	0.4	62.07	0.4	95.20	
8:12	0.4	61.13	0.4	90.80	
8:13	0.4	60.53	0.4	87.40	
8:14	0.4	61.07	0.4	87.33	
8:15	0.4	60.93	0.5	86.07	
8:16	0.4	59.47	0.4	86.27	
8:17	0.4	60.47	0.4	85.00	
8:18	0.4	60.73	0.4	83.53	
8:19	0.4	60.40	0.4	83.20	
8:20	0.4	59.87	0.4	84.27	
8:21	0.4	59.67	0.4	83.33	
8:22	0.4	59.87	0.4	79.27	
8:23	0.4	59.20	0.4	77.40	
8:24	0.5	59.60	0.4	77.73	
8:25	0.4	60.27	0.4	78.53	
8:26	0.4	60.67	0.4	81.47	
8:27	0.4	63.00	0.4	83.33	
8:28	0.4	63.27	0.4	83.27	
8:29	0.5	62.00	0.4	84.73	
8:30	0.5	60.40	0.4	90.93	
8:31	0.5	59.27	0.4	91.87	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:32	0.5	58.33	0.4	92.40	
8:33	0.5	58.47	0.4	92.40	
8:34	0.5	58.60	0.4	92.53	
8:35	0.5	59.00	0.4	91.33	
8:36	0.5	59.07	0.4	90.33	
8:37	0.5	59.53	0.4	89.60	
8:38	0.5	60.73	0.4	87.60	
8:39	0.5	63.67	0.4	85.00	
8:40	0.5	64.20	0.4	83.80	
8:41	0.5	64.73	0.4	80.80	
8:42	0.5	62.47	0.4	80.13	
8:43	0.5	62.53	0.4	79.20	
8:44	0.5	62.53	0.4	76.93	
8:45	0.5	62.53	0.4	68.93	
8:46	0.4	63.00	0.3	67.67	
8:47	0.5	63.60	0.3	66.87	
8:48	0.5	63.20	0.3	65.13	
8:49	0.5	63.07	0.3	63.53	
8:50	0.5	62.87	0.3	62.27	
8:51	0.5	62.67	0.3	60.60	
8:52	0.5	61.93	0.3	58.07	
8:53	0.5	59.60	0.3	57.27	
8:54	0.5	54.13	0.3	56.33	
8:55	0.5	51.67	0.3	55.47	
8:56	0.5	49.67	0.3	54.80	
8:57	0.5	49.20	0.3	52.73	
8:58	0.6	48.20	0.3	51.33	
8:59	0.6	47.13	0.3	49.53	
9:00	0.6	46.47	0.3	48.60	
9:01	0.6	45.20	0.3	45.53	
9:02	0.6	43.53	0.3	42.67	
9:03	0.6	42.27	0.3	41.40	
9:04	0.6	40.87	0.3	40.33	
9:05	0.6	39.93	0.3	39.20	
9:06	0.6	38.93	0.3	38.13	
9:07	0.6	37.87	0.3	37.93	
9:08	0.6	37.33	0.3	37.87	
9:09	0.6	37.00	0.3	37.47	
9:10	0.6	37.47	0.3	37.40	
9:11	0.5	37.20	0.3	36.60	
9:12	0.5	36.27	0.3	36.27	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:13	0.5	35.47	0.3	35.73	
9:14	0.5	36.40	0.3	35.73	
9:15	--	36.60	0.3	35.53	PID Battery stopped working. Replacement PID ordered on 2/6 to replace this one.
9:16	--	36.00	0.3	35.33	
9:17	--	35.60	0.3	35.07	
9:18	--	35.53	0.3	34.87	
9:19	--	35.87	0.3	34.80	
9:20	--	35.67	0.3	35.00	
9:21	--	35.47	0.3	35.07	
9:22	--	35.47	0.3	34.87	
9:23	--	35.60	0.3	34.80	
9:24	--	35.67	0.3	35.13	
9:25	--	35.07	0.3	34.93	
9:26	--	36.13	0.3	35.73	
9:27	--	37.67	0.3	37.33	
9:28	--	38.07	0.3	38.40	
9:29	--	36.67	0.3	38.87	
9:30	--	36.53	0.3	40.27	
9:31	--	37.07	0.3	41.13	
9:32	--	37.73	0.3	41.53	
9:33	--	39.00	0.3	41.93	
9:34	--	41.20	0.3	42.53	
9:35	--	42.67	0.3	42.40	
9:36	--	43.27	0.3	42.60	
9:37	--	43.67	0.3	43.07	
9:38	--	43.73	0.3	43.27	
9:39	--	44.07	0.3	43.33	
9:40	--	44.40	0.3	43.67	
9:41	--	43.60	0.3	44.73	
9:42	--	42.53	0.3	44.67	
9:43	--	43.47	0.3	46.60	
9:44	--	44.87	0.3	49.13	
9:45	--	45.87	0.3	49.00	
9:46	--	50.13	0.3	49.53	
9:47	--	54.67	0.3	50.00	
9:48	--	55.67	0.3	51.07	
9:49	--	54.53	0.3	51.33	
9:50	--	54.67	0.3	52.20	
9:51	--	55.53	0.3	53.33	
9:52	--	58.73	0.3	53.87	
9:53	--	60.20	0.3	54.07	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:54	--	60.87	0.3	54.13	
9:55	--	61.33	0.3	54.20	
9:56	--	62.27	0.3	52.93	
9:57	--	62.67	0.3	52.00	
9:58	--	61.60	0.3	49.53	
9:59	--	60.60	0.3	46.60	
10:00	--	59.07	0.3	46.13	
10:01	--	54.67	0.3	45.13	
10:02	--	50.20	0.3	44.80	
10:03	--	48.53	0.3	44.13	
10:04	--	47.73	0.3	43.93	
10:05	--	46.80	0.3	43.33	
10:06	--	47.00	0.3	42.47	
10:07	--	45.13	0.3	42.07	
10:08	--	44.20	0.3	42.00	
10:09	--	43.80	0.3	42.27	
10:10	--	43.40	0.3	42.87	
10:11	--	42.73	0.3	43.73	
10:12	--	42.67	0.3	45.27	
10:13	--	43.00	0.3	46.20	
10:14	--	43.73	0.3	47.53	
10:15	--	44.93	0.4	47.87	
10:16	--	46.27	0.4	49.07	
10:17	--	49.53	0.4	49.40	
10:18	--	51.73	0.4	50.87	
10:19	--	52.60	0.4	51.67	
10:20	--	53.60	0.4	51.60	
10:21	--	52.93	0.4	51.73	
10:22	--	51.80	0.4	51.80	
10:23	--	52.00	0.4	51.53	
10:24	--	51.93	0.4	51.27	
10:25	--	51.80	0.4	50.73	
10:26	--	51.73	0.4	50.27	
10:27	--	51.47	0.4	49.20	
10:28	--	51.13	0.4	48.07	
10:29	--	51.13	0.4	46.53	
10:30	--	50.67	0.4	45.73	
10:31	--	49.40	0.3	45.00	
10:32	0.2	46.13	0.3	44.73	Replacement PID arrives and is setup to begin monitoring.
10:33	0.2	44.27	0.3	43.47	
10:34	0.2	43.40	0.3	42.87	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:35	0.2	42.33	0.3	43.33	
10:36	0.2	42.07	0.3	43.20	
10:37	0.2	42.40	0.3	43.13	
10:38	0.2	42.00	0.3	44.13	
10:39	0.2	42.20	0.3	45.73	
10:40	0.2	44.00	0.4	46.93	
10:41	0.2	44.93	0.4	47.87	
10:42	0.2	45.60	0.4	47.40	
10:43	0.2	46.00	0.4	47.80	
10:44	0.2	46.60	0.4	47.73	
10:45	0.2	47.40	0.4	47.80	
10:46	0.2	47.20	0.4	47.47	
10:47	0.2	47.13	0.4	47.47	
10:48	0.2	47.20	0.4	47.20	
10:49	0.2	47.73	0.4	46.87	
10:50	0.2	47.73	0.4	46.67	
10:51	0.2	47.67	0.4	47.00	
10:52	0.2	48.07	0.4	46.73	
10:53	0.1	48.60	0.4	45.60	
10:54	0.1	48.73	0.4	43.80	
10:55	0.1	47.00	0.4	42.27	
10:56	0.1	46.13	0.3	40.73	
10:57	0.1	45.87	0.3	40.27	
10:58	0.1	45.20	0.3	39.53	
10:59	0.1	43.60	0.3	39.27	
11:00	0.1	41.67	0.3	39.00	
11:01	0.1	41.47	0.3	38.53	
11:02	0.1	41.40	0.3	38.20	
11:03	0.1	40.73	0.3	38.00	
11:04	0.1	40.00	0.3	37.80	
11:05	0.1	39.80	0.3	39.07	
11:06	0.1	39.33	0.3	39.47	
11:07	0.1	38.53	0.3	40.53	
11:08	0.1	38.87	0.3	40.93	
11:09	0.1	38.67	0.3	40.73	
11:10	0.1	38.60	0.3	40.67	
11:11	0.1	38.20	0.3	40.67	
11:12	0.1	37.73	0.3	40.67	
11:13	0.1	37.47	0.3	40.67	
11:14	0.1	37.60	0.3	40.60	
11:15	0.1	37.53	0.3	40.67	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:16	0.1	37.67	0.3	40.80	
11:17	0.1	37.73	0.3	40.87	
11:18	0.1	37.73	0.3	40.87	
11:19	0.1	37.87	0.3	40.87	
11:20	0.1	37.93	0.3	39.33	
11:21	0.1	38.13	0.3	39.00	
11:22	0.1	38.40	0.3	38.33	
11:23	0.1	37.20	0.3	38.47	
11:24	0.0	37.80	0.4	39.53	
11:25	0.0	38.87	0.4	40.67	
11:26	0.0	40.60	0.4	43.00	
11:27	0.0	41.47	0.4	43.53	
11:28	0.0	41.87	0.4	44.73	
11:29	0.0	43.67	0.4	45.67	
11:30	0.0	45.47	0.4	45.73	
11:31	0.0	45.80	0.4	45.93	
11:32	0.0	46.00	0.4	46.27	
11:33	0.0	46.13	0.4	46.53	
11:34	0.0	46.20	0.3	46.73	
11:35	0.0	46.33	0.3	46.93	
11:36	0.0	46.53	0.3	46.60	
11:37	0.0	46.40	0.3	46.53	
11:38	0.0	46.87	0.3	46.93	
11:39	0.0	46.33	0.3	47.40	
11:40	0.0	46.73	0.3	47.20	
11:41	0.0	46.27	0.3	45.93	
11:42	0.0	46.47	0.3	46.47	
11:43	0.0	46.93	0.3	46.07	
11:44	0.0	45.33	0.3	45.93	
11:45	0.0	44.33	0.3	46.27	
11:46	0.0	44.93	0.3	46.87	
11:47	0.0	44.67	0.3	47.47	
11:48	0.0	45.67	0.3	48.53	
11:49	0.0	46.40	0.3	50.13	
11:50	0.0	48.20	0.3	51.27	
11:51	0.0	50.27	0.3	51.73	
11:52	0.0	50.67	0.3	52.87	
11:53	0.0	51.07	0.3	53.33	
11:54	0.0	52.33	0.3	53.33	
11:55	0.0	51.53	0.3	53.47	
11:56	0.0	51.27	0.3	53.13	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:57	0.0	51.00	0.3	52.87	
11:58	0.0	51.00	0.3	52.80	
11:59	0.0	51.40	0.3	52.67	
12:00	0.0	51.40	0.3	52.73	
12:01	0.0	52.13	0.3	52.87	
12:02	0.0	52.60	0.3	53.07	
12:03	0.0	52.33	0.3	52.33	
12:04	0.0	52.27	0.3	50.87	
12:05	0.0	50.40	0.2	49.87	
12:06	0.0	48.27	0.2	49.87	
12:07	0.0	48.33	0.2	48.87	
12:08	0.0	48.20	0.2	48.07	
12:09	0.0	47.07	0.2	47.20	
12:10	0.0	46.73	0.2	46.73	
12:11	0.0	46.20	0.2	46.40	
12:12	0.0	45.93	0.2	46.13	
12:13	0.0	45.67	0.2	46.13	
12:14	0.0	45.27	0.2	46.47	
12:15	0.0	45.13	0.2	46.60	
12:16	0.0	44.00	0.2	46.20	
12:17	0.0	44.00	0.2	45.80	
12:18	0.0	43.93	0.2	45.80	
12:19	0.0	43.47	0.2	46.00	
12:20	0.0	43.93	0.2	46.00	
12:21	0.0	44.73	0.2	45.73	
12:22	0.0	44.33	0.2	45.80	
12:23	0.0	44.33	0.2	46.00	
12:24	0.0	44.20	0.2	46.33	
12:25	0.0	44.53	0.2	46.67	
12:26	0.0	44.87	0.2	46.93	
12:27	0.0	44.73	0.2	47.47	
12:28	0.0	45.27	0.2	47.87	
12:29	0.0	45.53	0.2	47.87	
12:30	0.0	45.80	0.2	47.73	
12:31	0.0	45.87	0.2	47.87	
12:32	0.0	45.80	0.2	48.00	
12:33	0.0	45.87	0.2	47.73	
12:34	0.0	46.00	0.2	47.73	
12:35	0.0	46.00	0.2	48.00	
12:36	0.0	45.40	0.2	49.07	
12:37	0.0	47.20	0.2	49.53	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:38	0.0	47.53	0.2	49.60	
12:39	0.0	47.80	0.2	49.80	
12:40	0.0	48.00	0.2	50.00	
12:41	0.0	48.53	0.2	50.40	
12:42	0.0	49.33	0.2	50.00	
12:43	0.0	49.20	0.2	49.93	
12:44	0.0	49.67	0.2	50.13	
12:45	0.0	49.73	0.2	50.40	
12:46	0.0	50.07	0.2	50.47	
12:47	0.0	50.00	0.2	50.27	
12:48	0.0	49.67	0.2	50.60	
12:49	0.0	49.73	0.2	50.67	
12:50	0.0	49.80	0.2	50.33	
12:51	0.0	49.73	0.2	49.53	
12:52	0.0	48.20	0.2	49.60	
12:53	0.0	48.07	0.2	50.27	
12:54	0.0	49.00	0.2	50.27	
12:55	0.0	49.27	0.2	49.93	
12:56	0.0	48.73	0.2	49.40	
12:57	0.0	48.53	0.2	49.67	
12:58	0.0	48.60	0.2	49.60	
12:59	0.0	48.53	0.2	49.60	
13:00	0.0	48.53	0.2	49.93	
13:01	0.0	48.33	0.2	49.93	
13:02	0.0	49.13	0.2	50.07	
13:03	0.0	49.20	0.2	50.00	
13:04	0.0	49.40	0.2	50.20	
13:05	0.1	49.20	0.2	51.60	
13:06	0.1	49.67	0.2	52.33	
13:07	0.1	51.73	0.2	52.27	
13:08	0.1	52.27	0.2	51.80	
13:09	0.1	51.13	0.2	52.07	
13:10	0.1	50.80	0.2	52.67	
13:11	0.1	51.47	0.2	54.53	
13:12	0.1	54.53	0.2	56.73	
13:13	0.1	56.20	0.2	57.40	
13:14	0.1	58.67	0.2	58.33	
13:15	0.1	63.60	0.2	59.40	
13:16	0.1	64.93	0.2	61.60	
13:17	0.1	65.27	0.2	63.27	
13:18	0.1	66.33	0.2	64.47	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:19	0.1	66.73	0.2	67.93	
13:20	0.1	72.27	0.2	69.67	
13:21	0.0	73.93	0.2	69.20	
13:22	0.0	73.80	0.2	69.07	
13:23	0.0	73.87	0.2	70.33	
13:24	0.0	75.33	0.3	72.27	
13:25	0.0	75.33	0.3	73.40	
13:26	0.0	74.73	0.3	73.87	
13:27	0.0	73.53	0.3	72.60	
13:28	0.0	72.80	0.3	71.80	
13:29	0.0	70.00	0.3	71.27	
13:30	0.0	65.13	0.3	69.67	
13:31	0.0	63.80	0.3	67.33	
13:32	0.0	62.87	0.3	65.80	
13:33	0.0	61.73	0.3	64.53	
13:34	0.0	61.07	0.3	60.87	
13:35	0.0	55.33	0.3	58.13	
13:36	0.0	53.13	0.3	58.27	
13:37	0.0	53.00	0.3	60.53	
13:38	0.0	53.20	0.3	60.13	
13:39	0.0	55.13	0.3	58.60	
13:40	0.0	56.33	0.3	58.73	
13:41	0.1	56.60	0.3	58.67	
13:42	0.1	59.67	0.3	58.47	
13:43	0.1	60.73	0.3	59.00	
13:44	0.1	61.47	0.3	59.33	
13:45	0.1	62.13	0.3	59.33	
13:46	0.1	61.73	0.3	59.33	
13:47	0.1	61.60	0.3	59.13	
13:48	0.1	61.47	0.3	59.33	
13:49	0.1	61.27	0.3	59.60	
13:50	0.1	61.93	0.3	59.73	
13:51	0.1	62.87	0.3	59.20	
13:52	0.1	61.07	0.2	56.73	
13:53	0.1	59.67	0.2	55.47	
13:54	0.1	56.40	0.2	54.33	
13:55	0.1	54.80	0.2	52.33	
13:56	0.1	54.53	0.2	52.27	
13:57	0.1	49.00	0.2	52.60	
13:58	0.1	48.33	0.2	53.60	
13:59	0.1	48.07	0.2	53.07	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:00	0.1	47.93	0.2	53.67	
14:01	0.1	48.47	0.2	54.80	
14:02	0.1	51.07	0.3	56.93	
14:03	0.1	54.27	0.3	58.60	
14:04	0.1	56.40	0.3	60.47	
14:05	0.1	57.33	0.3	61.53	
14:06	0.1	57.40	0.3	62.87	
14:07	0.1	57.13	0.3	64.13	
14:08	0.0	59.40	0.3	65.80	
14:09	0.0	60.33	0.3	67.20	
14:10	0.0	62.93	0.3	68.53	
14:11	0.0	63.40	0.3	67.07	
14:12	0.0	63.40	0.3	65.80	
14:13	0.0	61.47	0.3	63.87	
14:14	0.0	60.53	0.3	63.13	
14:15	0.0	59.20	0.3	62.67	
14:16	0.0	58.40	0.3	61.60	
14:17	0.0	56.00	0.3	59.27	
14:18	0.0	52.93	0.3	58.73	
14:19	0.0	53.27	0.3	58.40	
14:20	0.0	52.87	0.3	59.27	
14:21	0.0	58.00	0.3	58.13	
14:22	0.0	58.00	0.3	57.07	
14:23	0.0	55.40	0.3	56.40	
14:24	0.0	53.87	0.3	55.67	
14:25	0.0	51.40	0.3	55.20	
14:26	0.0	50.67	0.3	55.53	
14:27	0.0	50.87	0.3	56.60	
14:28	0.0	51.13	0.3	57.80	
14:29	0.0	51.40	0.3	60.47	
14:30	0.0	52.20	0.3	61.47	
14:31	0.0	52.40	0.3	61.80	
14:32	0.0	52.13	0.3	62.47	
14:33	0.0	51.93	0.3	61.27	
14:34	0.0	49.60	0.3	59.60	
14:35	0.0	48.47	0.3	57.73	
14:36	0.0	43.27	0.3	57.73	
14:37	0.0	43.33	0.3	58.20	
14:38	0.0	43.67	0.3	58.27	
14:39	0.0	44.60	0.3	58.40	
14:40	0.0	45.53	0.2	58.13	

CAMP Monitoring - 2/7/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NNE-SSE at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:41	0.0	45.80	0.2	57.27	
14:42	0.0	47.87	0.2	56.40	
14:43	0.0	48.73	0.2	55.73	
14:44	0.0	49.87	0.2	53.93	
14:45	0.0	49.73	0.2	53.00	
14:46	0.0	50.87	0.2	52.60	
14:47	0.0	50.60	0.2	51.93	
14:48	0.0	50.47	0.2	51.53	
14:49	0.0	50.13	0.2	51.07	
14:50	0.0	49.93	0.2	50.47	Intrusive Work Completed for the Day
14:51	0.0	48.87	0.2	49.93	
14:52	0.0	48.60	0.2	48.93	
14:53	0.0	48.33	0.2	49.20	
14:54	0.0	47.40	--	--	
14:55	0.0	46.07	--	--	
14:56	0.0	48.27	--	--	
14:57	0.0	46.00	--	--	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		249.07	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

February 14, 15 and 16, 2023

PREPARED BY	Michael Huston

General Notes: Community air monitoring on Tuesday February 14, Wednesday February 15 and Thursday February 16, 2023. On Tuesday February 14, 2023 through Thursday February 16, 2023 soil was placed onto completed sections of the concrete mat foundation. On Wednesday February 15 and Thursday February 16, 2023 a small excavation was conducted in the mid-east side of the site

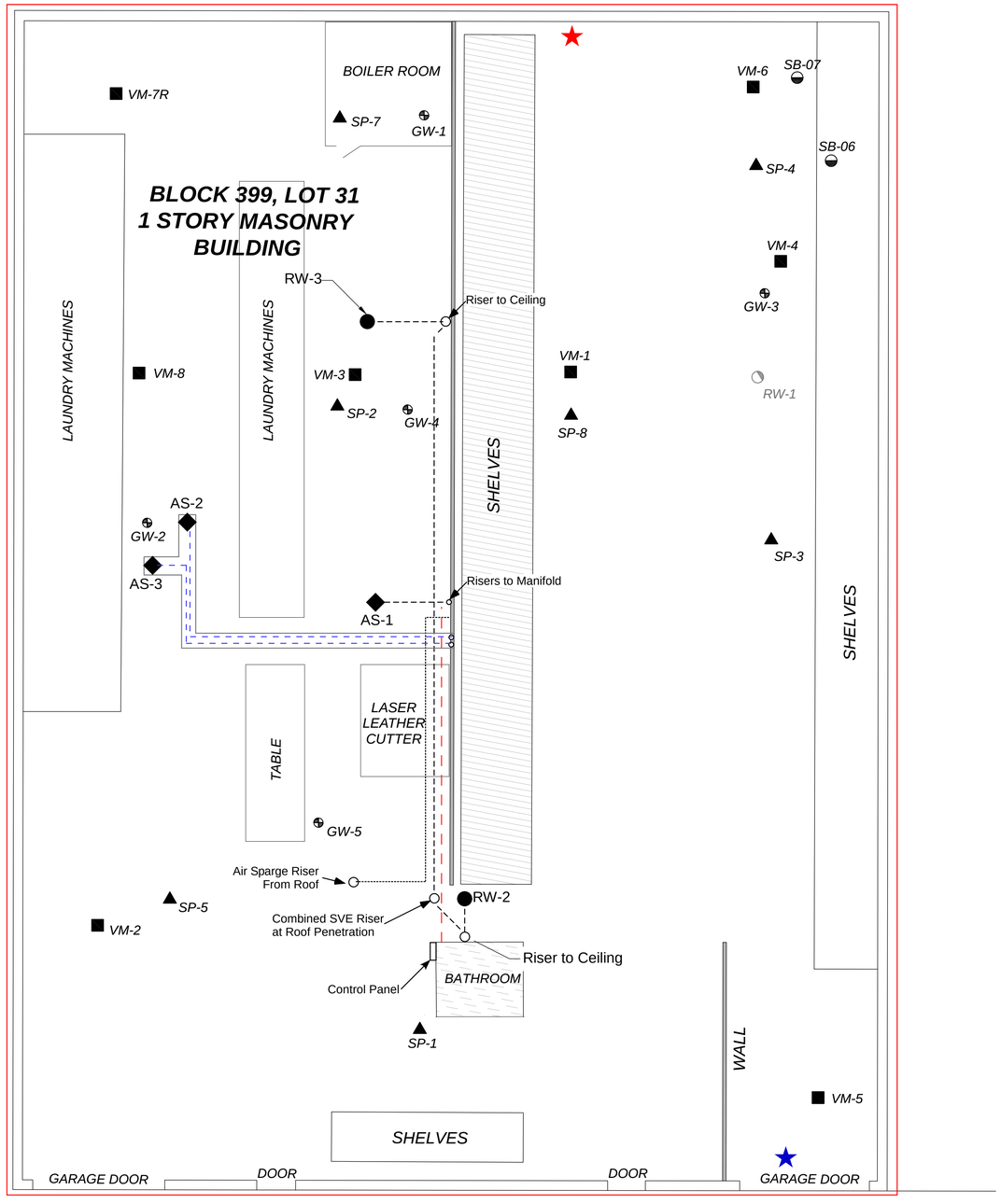
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates in the northeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
    - On Thursday February 16, 2023 the 15-minute average for PID/VOC was higher than it has typically been onsite at times. Based on field observations this was due to the presence of the excavator and demo saw exhaust being in the vicinity of the CAMP station.
  - No PM10 exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Northwest	Northwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates in the southwest/northwest corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - No PM10 exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST/NORTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN	AN	DATE	12-13-2022
DES	NK	DATE	12-13-2022
CHK	NK	DATE	12-13-2022
SCALE	AS NOTED	PROJECT NO.	BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:15	--	--	--	--	START CAMP Monitoring
7:16	--	--	--	--	
7:17	--	--	--	--	
7:18	--	--	--	--	
7:19	--	--	--	--	
7:20	--	--	--	--	
7:21	--	--	--	--	
7:22	--	--	--	--	
7:23	--	--	--	--	
7:24	--	--	--	--	
7:25	--	--	--	--	
7:26	--	--	--	--	
7:27	--	--	--	--	
7:28	--	--	--	--	
7:29	0.0	28.53	0.0	28.53	
7:30	0.0	28.87	0.0	28.33	
7:31	0.0	30.60	0.0	28.00	
7:32	0.0	33.93	0.0	26.87	
7:33	0.0	34.53	0.0	27.00	
7:34	0.0	32.80	0.0	26.60	
7:35	0.0	33.47	0.0	26.60	
7:36	0.0	34.13	0.0	26.67	
7:37	0.0	34.67	0.0	26.80	Begin onsite soil moving/stockpiling and
7:38	0.0	34.53	0.0	26.47	
7:39	0.0	34.87	0.0	26.73	
7:40	0.0	35.67	0.0	24.73	
7:41	0.0	38.13	0.0	25.07	
7:42	0.0	38.87	0.0	25.20	
7:43	0.0	39.60	0.0	25.87	
7:44	0.0	40.07	0.0	25.47	
7:45	0.0	39.93	0.0	25.20	
7:46	0.0	38.53	0.0	25.07	
7:47	0.0	37.07	0.0	25.13	
7:48	0.0	36.87	0.0	25.33	
7:49	0.0	36.80	0.0	25.47	
7:50	0.0	35.73	0.0	26.13	
7:51	0.0	35.60	0.0	26.13	
7:52	0.0	38.20	0.0	26.07	
7:53	0.0	40.53	0.0	26.20	
7:54	0.0	40.73	0.0	26.80	
7:55	0.0	41.73	0.0	26.93	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:56	0.0	40.00	0.0	26.80	
7:57	0.0	40.53	0.0	26.80	
7:58	0.0	40.80	0.0	27.47	
7:59	0.0	40.73	0.0	27.80	
8:00	0.0	44.47	0.0	31.93	
8:01	0.0	44.80	0.0	32.40	
8:02	0.0	43.40	0.0	32.33	
8:03	0.0	42.73	0.0	31.93	
8:04	0.0	43.60	0.0	31.67	
8:05	0.0	43.73	0.0	31.87	
8:06	0.0	43.67	0.0	32.00	
8:07	0.0	43.33	0.0	31.53	
8:08	0.0	41.60	0.0	31.53	
8:09	0.0	41.67	0.0	32.07	
8:10	0.0	41.00	0.0	32.13	
8:11	0.0	40.47	0.0	31.80	
8:12	0.0	39.27	0.0	31.80	
8:13	0.0	39.20	0.0	27.73	
8:14	0.0	39.07	0.0	27.33	
8:15	0.0	35.27	0.0	27.60	
8:16	0.0	35.20	0.0	28.00	
8:17	0.0	35.00	0.0	28.33	
8:18	0.0	35.33	0.0	28.00	
8:19	0.0	35.00	0.0	27.93	
8:20	0.0	35.13	0.0	27.93	
8:21	0.0	34.60	0.0	27.93	
8:22	0.0	31.93	0.0	27.40	
8:23	0.0	31.73	0.0	27.47	
8:24	0.0	31.67	0.0	27.40	
8:25	0.0	31.60	0.0	27.40	
8:26	0.0	32.07	0.0	27.40	
8:27	0.0	32.07	0.0	27.47	
8:28	0.0	32.27	0.0	27.40	
8:29	0.0	32.13	0.0	27.00	
8:30	0.0	33.27	0.0	26.93	
8:31	0.0	33.67	0.0	26.80	
8:32	0.0	35.13	0.0	26.80	
8:33	0.0	35.60	0.0	26.87	
8:34	0.0	35.40	0.0	27.07	
8:35	0.0	35.60	0.0	27.27	
8:36	0.0	36.00	0.0	27.40	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:37	0.0	36.00	0.0	27.60	
8:38	0.0	36.33	0.0	27.33	
8:39	0.0	37.27	0.0	27.33	
8:40	0.0	37.20	0.0	27.67	
8:41	0.0	37.07	0.0	30.80	
8:42	0.0	37.87	0.0	31.13	
8:43	0.0	37.60	0.0	31.27	
8:44	0.0	37.80	0.0	31.60	
8:45	0.0	36.80	0.0	31.53	
8:46	0.0	36.53	0.0	31.87	
8:47	0.0	34.73	0.0	31.87	
8:48	0.0	34.27	0.0	31.73	
8:49	0.0	34.07	0.0	31.53	
8:50	0.0	34.20	0.0	31.40	
8:51	0.0	33.93	0.0	31.80	
8:52	0.0	34.87	0.0	31.80	
8:53	0.0	34.60	0.0	31.40	
8:54	0.0	34.27	0.0	28.47	
8:55	0.0	34.00	0.0	28.07	
8:56	0.0	33.93	0.0	28.00	
8:57	0.0	33.13	0.0	27.53	
8:58	0.0	33.00	0.1	27.60	
8:59	0.0	32.80	0.1	27.53	
9:00	0.0	32.87	0.1	27.53	
9:01	0.0	33.33	0.1	27.73	
9:02	0.0	34.00	0.1	27.80	
9:03	0.0	34.07	0.1	27.80	
9:04	0.0	34.40	0.1	27.73	
9:05	0.0	34.07	0.1	27.67	
9:06	0.0	34.73	0.1	27.73	
9:07	0.0	34.13	0.1	27.73	
9:08	0.0	35.53	0.1	28.13	
9:09	0.0	34.93	0.1	28.27	
9:10	0.0	35.13	0.1	28.27	
9:11	0.0	38.27	0.1	28.33	
9:12	0.0	38.87	0.1	28.33	
9:13	0.0	38.53	0.1	28.20	
9:14	0.0	38.47	0.1	27.87	
9:15	0.0	38.60	0.1	27.67	
9:16	0.0	37.87	0.1	27.53	
9:17	0.0	38.80	0.1	27.33	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:18	0.0	39.00	0.1	27.47	
9:19	0.0	38.47	0.1	27.47	
9:20	0.0	38.47	0.1	27.80	
9:21	0.0	37.53	0.1	27.33	
9:22	0.0	37.27	0.1	26.80	
9:23	0.0	35.93	0.1	26.93	
9:24	0.0	36.13	0.1	26.67	
9:25	0.0	35.60	0.1	26.13	
9:26	0.0	32.60	0.1	25.87	
9:27	0.0	33.07	0.1	26.20	
9:28	0.0	32.60	0.1	26.07	
9:29	0.0	32.87	0.1	25.93	
9:30	0.0	33.00	0.1	25.87	
9:31	0.0	33.20	0.1	26.00	
9:32	0.0	31.80	0.1	25.73	
9:33	0.0	33.20	0.1	25.00	
9:34	0.0	34.87	0.1	25.20	
9:35	0.0	38.80	0.1	25.27	
9:36	0.0	39.53	0.1	25.27	
9:37	0.0	41.67	0.1	25.53	
9:38	0.0	42.07	0.1	25.60	
9:39	0.0	42.27	0.1	26.07	
9:40	0.0	43.20	0.1	26.40	
9:41	0.0	44.47	0.1	26.33	
9:42	0.1	43.20	0.1	26.40	
9:43	0.1	43.13	0.1	26.40	
9:44	0.1	42.73	0.1	25.80	
9:45	0.1	42.93	0.1	26.07	
9:46	0.1	43.67	0.1	26.07	
9:47	0.0	43.53	0.1	25.67	
9:48	0.0	41.67	0.1	25.40	
9:49	0.0	39.87	0.1	25.07	
9:50	0.0	40.47	0.1	24.53	
9:51	0.0	44.07	0.1	24.47	
9:52	0.0	41.80	0.1	24.13	
9:53	0.0	40.93	0.1	23.20	
9:54	0.0	40.53	0.1	23.13	
9:55	0.0	40.07	0.1	22.93	
9:56	0.0	38.20	0.1	22.67	
9:57	0.0	38.40	0.1	22.67	
9:58	0.0	38.33	0.1	22.27	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:59	0.0	38.07	0.1	22.00	
10:00	0.0	37.20	0.1	21.93	
10:01	0.0	36.00	0.1	21.80	
10:02	0.0	35.80	0.1	21.67	
10:03	0.0	35.60	0.1	21.53	
10:04	0.0	35.47	0.1	21.67	
10:05	0.0	30.67	0.1	21.60	
10:06	0.0	26.27	0.1	21.47	
10:07	0.0	26.13	0.1	21.53	
10:08	0.0	25.93	0.1	21.40	
10:09	0.0	25.33	0.1	21.40	
10:10	0.0	24.67	0.1	21.27	
10:11	0.0	24.67	0.1	21.13	
10:12	0.0	24.27	0.1	21.20	
10:13	0.0	24.20	0.1	21.20	
10:14	0.0	24.27	0.1	21.40	
10:15	0.0	24.20	0.1	21.47	
10:16	0.0	24.47	0.1	21.53	
10:17	0.0	26.13	0.1	21.40	
10:18	0.0	26.07	0.1	21.20	
10:19	0.0	26.33	0.1	21.07	
10:20	0.0	26.27	0.1	29.53	
10:21	0.0	28.33	0.1	36.87	
10:22	0.0	29.13	0.1	42.07	
10:23	0.0	30.20	0.1	48.27	
10:24	0.0	32.13	0.2	52.13	
10:25	0.0	33.60	0.2	55.60	
10:26	0.0	35.27	0.2	61.07	
10:27	0.0	36.33	0.2	69.60	
10:28	0.0	38.00	0.2	73.80	
10:29	0.0	39.27	0.2	75.60	
10:30	0.0	41.27	0.2	75.53	
10:31	0.0	43.60	0.2	76.47	
10:32	0.0	49.47	0.2	80.93	
10:33	0.0	57.87	0.2	76.27	
10:34	0.0	59.07	0.2	71.40	
10:35	0.0	66.47	0.2	69.67	
10:36	0.0	65.13	0.2	66.93	
10:37	0.0	64.40	0.2	64.00	
10:38	0.0	63.87	0.2	62.60	
10:39	0.0	64.07	0.2	59.40	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:40	0.0	63.80	0.2	54.80	
10:41	0.0	62.93	0.2	55.53	
10:42	0.0	62.80	0.2	53.80	
10:43	0.0	63.00	0.2	53.40	
10:44	0.0	62.60	0.2	52.60	
10:45	0.0	61.67	0.2	48.07	
10:46	0.0	60.33	0.2	44.20	
10:47	0.0	52.80	0.2	41.93	
10:48	0.0	46.13	0.2	38.13	
10:49	0.0	45.40	0.2	34.60	
10:50	0.0	38.27	0.2	33.60	
10:51	0.0	38.53	0.2	31.27	
10:52	0.0	39.20	0.2	28.67	
10:53	0.0	38.73	0.2	24.73	
10:54	0.0	37.33	0.2	19.87	
10:55	0.0	37.53	0.1	19.53	
10:56	0.0	38.40	0.1	19.40	
10:57	0.0	39.53	0.1	18.73	
10:58	0.0	39.07	0.1	18.73	
10:59	0.0	41.67	0.1	18.53	
11:00	0.0	42.27	0.1	17.80	
11:01	0.1	42.80	0.1	17.67	
11:02	0.1	43.27	0.1	17.53	
11:03	0.1	41.47	0.1	17.07	
11:04	0.1	41.07	0.1	16.73	
11:05	0.1	40.80	0.1	16.53	
11:06	0.1	39.87	0.1	15.93	
11:07	0.1	38.73	0.1	15.27	
11:08	0.1	38.27	0.1	15.07	
11:09	0.1	37.53	0.1	14.87	
11:10	0.1	37.67	0.1	14.73	
11:11	0.1	35.60	0.1	14.40	
11:12	0.1	34.07	0.1	14.20	
11:13	0.1	32.40	0.1	14.67	
11:14	0.1	29.40	0.1	14.47	
11:15	0.1	27.93	0.1	14.20	
11:16	0.1	25.73	0.1	14.60	
11:17	0.1	24.87	0.1	14.67	
11:18	0.1	24.73	0.1	14.60	
11:19	0.1	24.60	0.1	14.53	
11:20	0.1	24.07	0.1	14.60	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:21	0.1	23.93	0.1	14.40	
11:22	0.1	23.67	0.1	14.40	
11:23	0.1	23.60	0.1	14.47	
11:24	0.1	23.13	0.1	14.47	
11:25	0.1	21.60	0.1	14.20	
11:26	0.1	21.73	0.1	13.60	
11:27	0.1	21.53	0.1	13.47	
11:28	0.1	26.87	0.1	13.40	
11:29	0.1	38.67	0.1	12.93	
11:30	0.1	47.20	0.1	12.87	
11:31	0.1	50.47	0.1	12.93	
11:32	0.1	50.73	0.1	13.27	
11:33	0.1	50.73	0.1	14.13	
11:34	0.1	50.87	0.1	14.73	
11:35	0.1	52.60	0.1	14.93	
11:36	0.1	57.47	0.1	16.60	
11:37	0.1	58.67	0.1	17.00	
11:38	0.1	59.20	0.1	19.33	
11:39	0.1	59.73	0.1	20.80	
11:40	0.1	60.13	0.1	21.47	
11:41	0.1	62.07	0.1	21.60	
11:42	0.1	61.60	0.1	21.67	
11:43	0.1	56.13	0.1	21.87	
11:44	0.1	43.53	0.1	22.07	
11:45	0.1	34.80	0.1	21.87	
11:46	0.1	31.73	0.1	21.07	
11:47	0.1	31.07	0.1	20.60	
11:48	0.1	30.67	0.1	20.40	
11:49	0.1	29.93	0.1	18.60	
11:50	0.1	28.00	0.1	18.20	
11:51	0.1	22.47	0.1	15.87	
11:52	0.1	21.20	0.1	14.93	
11:53	0.1	21.07	0.1	14.53	
11:54	0.1	20.47	0.1	14.53	
11:55	0.1	19.67	0.1	14.47	
11:56	0.1	17.60	0.1	14.13	
11:57	0.1	17.47	0.1	13.87	
11:58	0.1	17.40	0.1	13.67	
11:59	0.1	17.20	0.1	13.47	
12:00	0.1	16.80	0.1	13.33	
12:01	0.1	16.53	0.1	13.27	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:02	0.1	16.80	0.1	13.13	
12:03	0.1	17.20	0.1	13.00	
12:04	0.1	17.00	0.1	13.07	
12:05	0.1	16.87	0.1	12.60	
12:06	0.1	16.73	0.1	12.40	
12:07	0.1	16.60	0.1	12.07	
12:08	0.1	15.93	0.1	11.87	
12:09	0.1	15.80	0.1	11.80	
12:10	0.1	15.47	0.1	11.73	
12:11	0.1	15.27	0.1	11.53	
12:12	0.1	15.07	0.1	11.40	
12:13	0.1	14.80	0.1	11.27	
12:14	0.1	14.53	0.1	11.20	
12:15	0.1	14.20	0.1	11.27	
12:16	0.1	14.00	0.1	11.33	
12:17	0.1	13.53	0.1	11.20	
12:18	0.1	13.00	0.1	11.13	
12:19	0.1	12.93	0.1	11.20	
12:20	0.1	13.27	0.1	11.60	
12:21	0.2	13.27	0.1	11.87	
12:22	0.2	13.33	0.1	12.13	
12:23	0.2	13.47	0.1	12.27	
12:24	0.2	13.80	0.1	12.53	
12:25	0.2	13.93	0.1	12.80	
12:26	0.2	13.87	0.1	13.13	
12:27	0.2	14.00	0.1	13.27	
12:28	0.2	14.13	0.1	13.33	
12:29	0.2	14.40	0.1	13.33	
12:30	0.2	15.00	0.1	13.67	
12:31	0.2	15.07	0.1	13.80	
12:32	0.2	15.20	0.1	13.93	
12:33	0.2	15.80	0.1	13.80	
12:34	0.2	16.13	0.1	13.93	
12:35	0.2	15.93	0.1	13.87	
12:36	0.1	16.27	0.1	14.00	
12:37	0.1	16.47	0.1	14.13	
12:38	0.2	16.53	0.1	14.20	
12:39	0.2	16.47	0.1	14.13	
12:40	0.2	16.47	0.1	14.20	
12:41	0.2	16.93	0.1	14.40	
12:42	0.2	17.07	0.1	14.60	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:43	0.2	17.20	0.1	14.67	
12:44	0.2	17.13	0.1	14.73	
12:45	0.2	17.53	0.1	14.80	
12:46	0.2	17.87	0.1	15.20	
12:47	0.2	18.00	0.1	15.40	
12:48	0.2	18.53	0.1	15.67	
12:49	0.2	18.87	0.1	15.73	
12:50	0.1	19.07	0.1	16.13	
12:51	0.1	20.27	0.1	16.67	
12:52	0.1	23.00	0.1	16.87	
12:53	0.1	23.33	0.1	17.27	
12:54	0.1	23.60	0.1	17.60	
12:55	0.1	24.07	0.1	17.87	
12:56	0.1	24.33	0.1	17.73	
12:57	0.1	24.40	0.1	17.87	
12:58	0.1	24.53	0.1	19.73	
12:59	0.1	25.67	0.1	26.20	
13:00	0.1	26.33	0.1	33.20	
13:01	0.1	26.60	0.1	36.73	
13:02	0.1	27.47	0.2	37.27	
13:03	0.1	26.73	0.2	38.73	
13:04	0.1	27.20	0.2	38.40	
13:05	0.1	27.73	0.2	38.60	
13:06	0.1	26.93	0.1	38.27	
13:07	0.1	24.40	0.1	38.07	
13:08	0.1	24.40	0.1	38.07	
13:09	0.1	24.33	0.1	38.33	
13:10	0.1	24.53	0.1	38.60	
13:11	0.1	24.40	0.1	36.87	
13:12	0.1	24.53	0.1	30.40	
13:13	0.1	24.47	0.2	23.33	
13:14	0.1	23.60	0.1	19.80	
13:15	0.1	23.07	0.1	19.40	
13:16	0.1	24.67	0.1	17.80	
13:17	0.1	24.13	0.1	18.13	
13:18	0.1	24.27	0.1	17.93	
13:19	0.1	23.60	0.1	18.13	
13:20	0.1	23.00	0.1	18.13	
13:21	0.1	22.67	0.1	19.13	
13:22	0.2	23.33	0.1	30.13	
13:23	0.2	25.13	0.2	35.80	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:24	0.1	26.40	0.2	40.20	
13:25	0.2	27.47	0.2	44.67	
13:26	0.2	30.00	0.2	49.73	
13:27	0.1	31.60	0.2	53.67	
13:28	0.2	33.00	0.2	56.27	
13:29	0.2	33.87	0.2	57.87	
13:30	0.2	33.73	0.2	57.80	
13:31	0.2	32.73	0.2	57.80	
13:32	0.2	32.87	0.2	57.87	
13:33	0.2	32.93	0.2	57.67	
13:34	0.2	32.73	0.2	56.60	
13:35	0.2	32.80	0.2	45.33	
13:36	0.2	32.80	0.2	39.27	
13:37	0.2	32.13	0.2	34.67	
13:38	0.2	30.07	0.2	29.93	
13:39	0.2	28.80	0.2	24.67	
13:40	0.2	27.27	0.2	20.67	
13:41	0.2	24.67	0.2	17.80	
13:42	0.2	22.80	0.2	16.13	
13:43	0.2	23.53	0.2	15.73	
13:44	0.2	23.13	0.2	15.73	
13:45	0.2	22.40	0.2	15.53	
13:46	0.2	21.87	0.2	16.53	
13:47	0.1	22.53	0.2	16.13	
13:48	0.1	24.80	0.2	17.13	
13:49	0.1	27.67	0.2	17.47	
13:50	0.2	28.47	0.2	20.67	
13:51	0.2	31.07	0.2	21.07	
13:52	0.2	34.00	0.2	21.27	
13:53	0.2	35.67	0.2	21.13	
13:54	0.2	35.53	0.2	21.80	
13:55	0.2	37.33	0.2	24.60	
13:56	0.2	38.40	0.2	26.53	
13:57	0.2	40.00	0.2	26.80	
13:58	0.2	40.20	0.2	26.93	
13:59	0.2	39.67	0.2	26.13	
14:00	0.2	39.87	0.2	26.40	
14:01	0.2	39.47	0.2	25.40	
14:02	0.2	38.20	0.2	25.07	
14:03	0.2	35.87	0.2	21.87	
14:04	0.2	33.07	0.3	22.27	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:05	0.2	33.13	0.3	33.93	
14:06	0.2	31.27	0.3	36.47	
14:07	0.2	31.07	0.3	40.60	
14:08	0.2	30.33	0.3	46.20	
14:09	0.2	30.33	0.3	48.67	
14:10	0.2	28.40	0.3	52.20	
14:11	0.2	27.13	0.3	53.47	
14:12	0.1	28.07	0.4	62.20	
14:13	0.1	26.73	0.4	65.20	
14:14	0.1	27.80	0.4	68.47	
14:15	0.1	28.47	0.4	69.87	
14:16	0.1	29.13	0.4	70.80	
14:17	0.1	30.80	0.4	70.20	
14:18	0.1	30.73	0.4	58.53	
14:19	0.1	30.80	0.4	56.07	
14:20	0.1	29.80	0.4	51.27	
14:21	0.1	28.87	0.4	42.67	
14:22	0.1	26.07	0.4	38.07	
14:23	0.1	25.20	0.3	34.27	
14:24	0.1	25.27	0.3	32.73	
14:25	0.1	25.33	0.3	24.13	
14:26	0.1	26.87	0.3	21.07	
14:27	0.1	24.20	0.3	17.60	
14:28	0.1	23.07	0.3	16.20	
14:29	0.1	21.73	0.2	15.20	
14:30	0.1	20.60	0.2	14.80	
14:31	0.1	19.60	0.2	14.53	
14:32	0.1	17.80	0.2	14.33	
14:33	0.1	17.53	0.2	14.13	
14:34	0.1	17.27	0.2	14.07	
14:35	0.1	17.20	0.2	14.20	
14:36	0.1	17.07	0.2	13.93	
14:37	0.1	17.00	0.2	13.87	
14:38	0.1	16.93	0.2	13.47	
14:39	0.1	16.73	0.2	13.13	
14:40	0.1	16.47	0.2	13.20	
14:41	0.1	14.60	0.2	13.07	
14:42	0.1	14.60	0.2	12.93	
14:43	0.1	15.07	0.2	12.87	
14:44	0.1	15.20	0.2	12.80	
14:45	0.1	16.13	0.2	12.80	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
14:46	0.1	16.40	0.2	12.80	
14:47	0.1	16.47	0.2	12.87	
14:48	0.1	16.67	0.2	12.80	
14:49	0.1	16.93	0.2	13.07	
14:50	0.1	17.53	0.2	13.00	
14:51	0.1	17.53	0.2	13.67	
14:52	0.1	17.67	0.2	14.07	
14:53	0.1	17.87	0.2	13.93	
14:54	0.1	17.73	0.2	13.87	
14:55	0.1	17.80	0.2	13.87	
14:56	0.1	18.67	0.2	13.80	
14:57	0.1	18.93	0.2	13.80	
14:58	0.1	18.47	0.2	13.80	
14:59	0.1	18.47	0.2	14.53	
15:00	0.1	18.07	0.2	14.27	
15:01	0.1	18.13	0.2	14.13	
15:02	0.1	18.27	0.2	13.67	
15:03	0.1	18.00	0.2	13.53	
15:04	0.1	17.93	0.2	12.60	
15:05	0.1	17.13	0.2	12.00	
15:06	0.1	16.87	0.2	11.87	
15:07	0.1	16.67	0.2	11.87	
15:08	0.1	16.13	0.2	11.80	
15:09	0.1	16.27	0.2	12.07	
15:10	0.1	16.13	0.2	12.07	
15:11	0.1	15.27	0.2	11.80	
15:12	0.1	14.67	0.2	10.93	
15:13	0.1	14.60	0.2	10.80	
15:14	0.1	14.27	0.2	10.73	
15:15	0.1	13.73	0.2	10.87	
15:16	0.1	13.93	0.2	10.93	
15:17	0.1	13.73	0.2	11.07	
15:18	0.1	13.53	0.2	11.27	
15:19	0.1	13.27	0.2	11.40	
15:20	0.1	13.27	0.2	11.33	
15:21	0.1	13.53	0.2	12.00	
15:22	0.1	13.33	0.2	12.33	
15:23	0.1	14.40	0.2	15.87	
15:24	0.1	14.80	0.2	17.80	
15:25	0.1	17.60	0.2	18.07	
15:26	0.1	18.40	0.2	18.33	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
15:27	0.1	19.73	0.2	18.40	
15:28	0.1	20.53	0.2	18.40	
15:29	0.1	23.53	0.2	18.40	
15:30	0.1	23.87	0.2	18.47	
15:31	0.1	23.80	0.2	18.47	
15:32	0.1	24.93	0.2	18.67	
15:33	0.1	25.60	0.2	18.67	
15:34	0.1	25.73	0.2	17.93	
15:35	0.1	26.93	0.2	17.33	
15:36	0.1	27.27	0.2	13.53	
15:37	0.1	27.53	0.2	11.73	
15:38	0.1	27.13	0.2	11.53	
15:39	0.1	27.07	0.2	11.27	
15:40	0.1	24.67	0.2	11.13	
15:41	0.1	24.20	0.2	10.93	
15:42	0.1	23.13	0.2	10.87	
15:43	0.1	22.20	0.2	10.73	
15:44	0.1	19.13	0.2	10.73	
15:45	0.1	19.20	0.2	10.53	
15:46	0.1	18.80	0.2	10.87	
15:47	0.1	17.47	0.2	10.80	
15:48	0.1	16.87	0.2	10.73	
15:49	0.1	16.80	0.2	10.73	
15:50	0.1	15.53	0.2	10.67	
15:51	0.1	14.93	0.2	10.60	
15:52	0.1	14.40	0.2	10.67	
15:53	0.1	13.80	0.2	10.67	
15:54	0.1	13.53	0.2	10.73	
15:55	0.1	13.27	0.2	10.93	
15:56	0.1	12.87	0.2	11.20	
15:57	0.1	15.67	0.2	11.33	
15:58	0.1	16.07	0.2	11.27	
15:59	0.1	16.87	0.2	10.87	
16:00	0.1	17.73	0.2	10.87	
16:01	0.1	18.07	0.2	11.40	
16:02	0.1	20.00	0.2	11.73	
16:03	0.1	31.87	0.2	11.93	
16:04	0.1	32.00	0.2	12.07	
16:05	0.1	32.47	0.2	12.13	
16:06	0.1	32.73	0.2	12.27	
16:07	0.1	33.20	0.2	12.47	

CAMP Monitoring - 2/14/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 7mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
16:08	0.1	33.20	0.2	13.07	
16:09	0.1	33.07	0.2	12.73	
16:10	0.1	33.00	0.2	12.47	
16:11	0.1	33.27	0.2	12.53	
16:12	0.1	30.20	0.2	12.53	
16:13	0.1	29.80	0.2	12.67	
16:14	0.1	29.20	0.2	12.27	
16:15	0.1	27.87	0.2	12.27	
16:16	0.1	27.73	0.2	13.13	
16:17	0.1	26.40	0.2	13.20	
16:18	0.1	14.47	0.3	13.07	
16:19	0.1	14.80	0.3	13.60	
16:20	0.1	15.13	0.3	14.00	
16:21	0.1	15.53	0.3	13.80	
16:22	0.1	15.20	0.3	14.00	
16:23	0.1	15.47	0.3	15.13	
16:24	0.1	15.47	0.3	19.87	
16:25	0.1	18.67	0.3	20.47	
16:26	0.1	21.13	0.3	20.53	
16:27	0.2	22.53	0.3	20.47	
16:28	0.2	25.53	0.3	20.40	
16:29	0.2	25.80	0.3	19.47	
16:30	0.2	26.53	0.3	20.67	
16:31	0.2	29.93	0.3	21.07	
16:32	0.1	30.33	0.3	20.27	
16:33	0.1	31.87	0.3	19.53	
16:34	0.1	31.40	0.3	20.60	
16:35	0.1	31.00	0.3	21.00	
16:36	0.1	30.73	0.3	19.87	
16:37	0.1	31.07	0.3	17.33	Intrusive Work Completed for the Day
16:38	0.1	30.87	0.3	17.00	
16:39	0.1	31.33	0.3	19.27	
16:40	0.1	29.20	0.3	22.07	
16:41	0.1	27.40	0.3	23.20	
16:42	0.1	27.40	0.3	25.40	
16:43	0.1	25.73	0.3	25.40	
16:44	0.1	26.47	0.3	30.07	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		249.07	Exceeds background levels by 150 µg/m3

Environmental Engineering Compliance Control, D.P.C.
One Emery Avenue, Suite 2, Randolph, NJ | 07869 | 201-552-0224

Community Air Monitoring Report
Bridge Cleaners
39-26 30th Street, Long Island City, Queens County, New York

March 1 and 2, 2023

PREPARED BY	Nick Krasnecky

General Notes: Community air monitoring on Wednesday, March 1 and Thursday, March 2 for loadout of stockpiled soil for offsite transport to an approved facility and soil moving and grading of stockpiled soil.

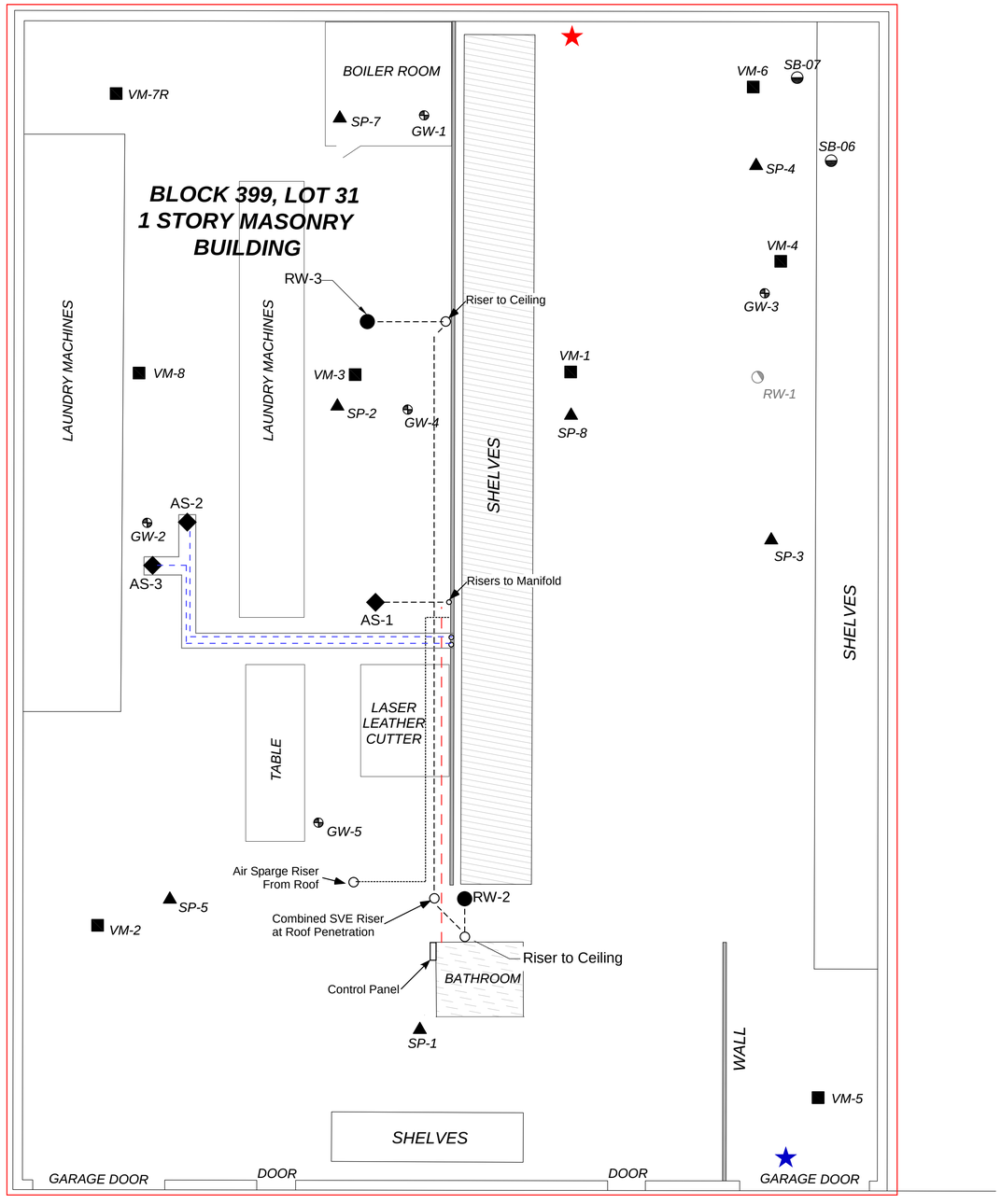
REFER TO FIGURE 1 FOR AIR MONITORING STATION LOCATIONS

Air Monitoring Station #1 Northeast	Northeast Side of Site - Inside the Plywood Fence

- Set-up onsite to gather site data for VOCs and particulates in the northeast corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - A PM10 exceedance of 1.25 mg/m^3 was reported on Wednesday, March 1 at 10:21am. The alarm was immediately heard and upon field personnel checking on the alarm, it was observed that rebar was being cut via a gasoline powered saw in the immediate vicinity of the air monitoring station. The rebar cutting activities were discontinued and moved to a new location onsite and the PM10 reading immediately decreased to below the 150 µg/m^3 limit. No other PM10 exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.

Air Monitoring Station #2 Northwest	Northwest Corner of Site - Next to Adjacent Building

- Set-up onsite to gather site data for VOCs and particulates in the southwest/northwest corner of the site.
  - No PID/VOC exceedances were reported during monitoring.
  - No PM10 exceedances were reported during monitoring.
  - Collected data was monitored against background data and limits set forth in the CAMP.



0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

PVC PIPE

STEEL PIPE

AIR SPARGE WELL

VAPOR EXTRACTION WELL

GROUNDWATER MONITORING WELL/SOIL BORING

SOIL BORING

VACUUM MONITORING POINT

SOIL VAPOR POINT

ABANDONED

TRENCHING AND SUBGRADE PIPING

ELECTRIC RUN ALONG STRUTS ON CEILING TO SOLENOID VALVES

RISER LOCATION

CONCRETE COVER

CAMP MONITORING - SOUTHWEST/NORTHWEST STATION

CAMP MONITORING - NORTHEAST STATION

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

2. AS/SVE SYSTEM LAYOUT AND BUILDING FEATURES BASED ON INTEGRAL ENGINEERING FIGURE (OCTOBER 2018) AND UPDATED BY EECC (SEPTEMBER 2020)

REV	DATE	DESCRIPTION	APP

eecc
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN	AN	DATE	12-13-2022
DES	NK	DATE	12-13-2022
CHK	NK	DATE	12-13-2022
SCALE	AS NOTED	PROJECT NO.	BRIDGE CLEANERS

PROPOSED CAMP LOCATIONS

FIGURE

1

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:09	---	--	--	--	START CAMP Monitoring
7:10	---	--	--	--	
7:11	---	--	--	--	
7:12	---	--	--	--	
7:13	---	--	--	--	
7:14	---	--	--	--	
7:15	---	--	--	--	
7:16	---	--	--	--	
7:17	---	--	--	--	
7:18	---	--	--	--	
7:19	---	--	--	--	
7:20	---	--	--	--	
7:21	---	--	--	--	
7:22	---	--	--	--	
7:23	0.0	30.33	0.0	36.27	
7:24	0.0	33.33	0.0	36.13	
7:25	0.0	36.47	0.0	36.33	
7:26	0.0	39.27	0.0	36.93	
7:27	0.0	42.93	0.0	37.47	
7:28	0.0	44.00	0.0	38.53	
7:29	0.0	45.40	0.0	38.93	
7:30	0.0	46.27	0.0	47.67	
7:31	0.0	47.87	0.0	62.93	Begin onsite soil stockpile moving and load-out.
7:32	0.0	48.80	0.0	67.47	
7:33	0.0	49.87	0.0	73.07	
7:34	0.0	50.47	0.0	76.73	
7:35	0.0	51.20	0.0	81.60	
7:36	0.0	51.33	0.0	83.33	
7:37	0.0	51.60	0.0	84.80	
7:38	0.0	51.80	0.0	86.53	
7:39	0.0	52.13	0.0	92.20	
7:40	0.1	52.47	0.0	93.67	
7:41	0.1	53.67	0.0	93.80	
7:42	0.1	54.93	0.0	93.67	
7:43	0.1	56.53	0.0	85.87	
7:44	0.1	57.47	0.0	72.00	
7:45	0.1	62.07	0.0	68.80	
7:46	0.1	63.00	0.0	66.07	
7:47	0.1	64.60	0.0	64.60	
7:48	0.1	71.53	0.0	61.47	
7:49	0.1	76.07	0.0	60.07	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:50	0.2	85.07	0.0	60.60	
7:51	0.2	93.73	0.0	59.87	
7:52	0.2	95.73	0.0	55.20	
7:53	0.2	96.73	0.0	56.60	
7:54	0.2	97.27	0.0	56.07	
7:55	0.2	100.27	0.0	56.67	
7:56	0.2	107.13	0.0	58.33	
7:57	0.3	109.33	0.0	58.87	
7:58	0.3	109.07	0.0	64.87	
7:59	0.3	110.73	0.0	66.67	
8:00	0.3	108.60	0.0	65.87	
8:01	0.3	109.60	0.0	64.80	
8:02	0.2	109.73	0.0	64.73	
8:03	0.2	104.27	0.0	62.33	
8:04	0.2	101.60	0.0	61.47	
8:05	0.2	93.87	0.0	60.67	
8:06	0.2	86.47	0.0	58.67	
8:07	0.2	84.73	0.0	59.67	
8:08	0.2	83.93	0.0	60.13	
8:09	0.1	83.13	0.0	58.47	
8:10	0.1	79.67	0.0	57.67	
8:11	0.1	72.00	0.0	51.13	
8:12	0.1	68.33	0.0	46.93	
8:13	0.1	66.67	0.0	45.20	
8:14	0.1	64.33	0.0	43.87	
8:15	0.1	64.80	0.0	43.87	
8:16	0.1	65.93	0.0	44.00	
8:17	0.1	64.13	0.0	51.13	
8:18	0.1	62.00	0.0	58.53	
8:19	0.1	59.40	0.0	57.87	
8:20	0.1	57.80	0.0	61.07	
8:21	0.1	57.07	0.0	60.60	
8:22	0.1	58.80	0.0	61.40	
8:23	0.1	60.27	0.0	61.80	
8:24	0.1	64.60	0.0	62.53	
8:25	0.1	66.47	0.0	64.53	
8:26	0.1	67.20	0.0	67.27	
8:27	0.1	67.60	0.0	68.80	
8:28	0.1	72.53	0.0	69.07	
8:29	0.1	75.13	0.0	69.47	
8:30	0.1	73.07	0.0	63.73	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
8:31	0.1	70.13	0.0	56.53	
8:32	0.1	70.33	0.0	55.73	
8:33	0.1	72.07	0.0	52.67	
8:34	0.1	72.13	0.0	54.13	
8:35	0.1	72.93	0.0	54.80	
8:36	0.1	72.93	0.0	55.87	
8:37	0.1	71.47	0.0	56.80	
8:38	0.1	70.27	0.0	60.93	
8:39	0.1	65.80	0.0	62.67	
8:40	0.1	64.67	0.0	65.40	
8:41	0.1	65.80	0.0	72.87	
8:42	0.1	66.07	0.0	76.80	
8:43	0.1	61.27	0.0	78.67	
8:44	0.1	59.73	0.0	79.20	
8:45	0.1	60.67	0.0	80.73	
8:46	0.1	60.53	0.0	80.20	
8:47	0.1	59.73	0.0	79.13	
8:48	0.0	57.33	0.0	78.40	
8:49	0.0	56.80	0.0	77.53	
8:50	0.0	55.53	0.0	75.87	
8:51	0.0	54.47	0.0	69.40	
8:52	0.0	53.80	0.0	65.13	
8:53	0.0	52.67	0.0	60.93	
8:54	0.0	52.13	0.0	51.93	
8:55	0.0	50.93	0.0	46.73	
8:56	0.0	48.47	0.0	42.27	
8:57	0.0	46.93	0.0	40.53	
8:58	0.0	46.33	0.0	38.93	
8:59	0.0	45.80	0.0	37.33	
9:00	0.0	44.27	0.0	35.27	
9:01	0.0	44.40	0.0	33.73	
9:02	0.0	44.20	0.0	31.80	
9:03	0.0	44.40	0.0	30.73	
9:04	0.0	44.53	0.0	30.53	
9:05	0.0	44.40	0.0	30.20	
9:06	0.0	44.53	0.0	30.00	
9:07	0.0	44.53	0.0	30.00	
9:08	0.0	44.67	0.0	30.80	
9:09	0.0	44.53	0.0	31.00	
9:10	0.0	44.33	0.0	30.87	
9:11	0.0	44.20	0.0	30.33	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:12	0.0	43.93	0.0	30.40	
9:13	0.0	43.33	0.0	30.53	
9:14	0.0	40.87	0.0	30.20	
9:15	0.0	39.40	0.0	30.87	
9:16	0.0	37.53	0.0	31.73	
9:17	0.0	38.13	0.0	32.13	
9:18	0.1	39.60	0.0	33.47	
9:19	0.1	41.20	0.0	35.73	
9:20	0.1	43.07	0.0	38.40	
9:21	0.1	43.47	0.0	39.73	
9:22	0.1	45.27	0.0	41.40	
9:23	0.1	46.20	0.0	41.73	
9:24	0.1	46.60	0.0	45.20	
9:25	0.1	47.60	0.0	51.20	
9:26	0.1	47.67	0.0	52.40	
9:27	0.1	47.87	0.0	56.27	
9:28	0.1	47.87	0.0	58.07	
9:29	0.1	49.07	0.0	60.60	
9:30	0.1	49.13	0.0	62.40	
9:31	0.1	48.93	0.0	64.27	
9:32	0.1	47.60	0.0	65.60	
9:33	0.1	45.67	0.0	62.80	
9:34	0.1	43.60	0.0	60.40	
9:35	0.1	41.47	0.0	58.47	
9:36	0.1	40.87	0.0	58.00	
9:37	0.1	38.73	0.0	54.27	
9:38	0.1	37.53	0.0	48.07	
9:39	0.1	37.27	0.0	46.73	
9:40	0.1	36.33	0.0	42.93	
9:41	0.1	36.20	0.0	40.33	
9:42	0.1	35.93	0.0	36.80	
9:43	0.1	35.73	0.0	34.47	
9:44	0.1	34.87	0.0	31.13	
9:45	0.1	35.13	0.0	27.20	
9:46	0.1	35.27	0.0	26.73	
9:47	0.1	35.33	0.0	26.60	
9:48	0.1	35.53	0.0	26.60	
9:49	0.1	35.93	0.0	26.60	
9:50	0.1	35.80	0.0	26.80	
9:51	0.1	35.67	0.0	26.87	
9:52	0.1	35.47	0.0	26.87	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
9:53	0.1	35.33	0.0	26.60	
9:54	0.1	35.33	0.0	26.67	
9:55	0.1	35.33	0.0	26.40	
9:56	0.1	35.27	0.0	26.13	
9:57	0.1	35.20	0.0	26.13	
9:58	0.1	35.47	0.0	26.07	
9:59	0.1	35.40	0.0	26.07	
10:00	0.2	35.60	0.0	26.00	
10:01	0.3	36.00	0.0	25.93	
10:02	0.3	37.33	0.0	25.80	
10:03	0.4	62.07	0.0	25.47	
10:04	0.4	69.20	0.0	25.27	
10:05	0.4	81.33	0.0	25.27	
10:06	0.4	88.40	0.0	25.53	
10:07	0.4	89.73	0.0	26.33	
10:08	0.4	90.93	0.0	27.53	
10:09	0.4	92.33	0.0	29.60	
10:10	0.4	94.13	0.0	30.53	
10:11	0.4	96.27	0.0	31.40	
10:12	0.4	98.47	0.0	33.27	
10:13	0.4	101.33	0.0	38.47	
10:14	0.4	103.93	0.0	39.27	
10:15	0.4	104.47	0.0	42.20	
10:16	0.3	104.53	0.0	43.07	
10:17	0.6	103.67	0.0	44.87	
10:18	0.6	79.93	0.0	45.87	
10:19	0.5	73.60	0.0	47.40	
10:20	0.6	142.73	0.0	46.73	
10:21	0.6	172.60	0.0	45.93	
10:22	0.7	173.80	0.0	44.33	
10:23	0.7	246.40	0.0	44.40	Rebar being cut with gas-powered saw in vicinity of NE Station. Contractor was immediately requested to relocate saw cutting at 10:22, but Avg15 readings stayed elevated due to the 10:20 PM10 minute reading reaching 1.25 mg/m3.
10:24	0.7	246.07	0.0	46.40	
10:25	0.7	254.67	0.0	44.93	
10:26	0.7	255.73	0.0	39.47	
10:27	0.7	255.00	0.0	38.27	
10:28	0.7	252.27	0.0	35.00	
10:29	0.7	249.53	0.0	33.80	
10:30	0.8	248.33	0.0	31.67	
10:31	0.8	247.80	0.0	30.73	
10:32	0.8	247.27	0.0	29.00	
10:33	0.4	246.27	0.0	28.40	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
10:34	0.4	246.40	0.0	27.73	
10:35	0.4	166.47	0.0	27.47	
10:36	0.4	130.80	0.0	26.53	
10:37	0.4	129.40	0.0	23.53	
10:38	0.3	57.13	0.0	23.20	
10:39	0.2	56.93	0.0	24.00	
10:40	0.2	46.53	0.0	26.53	
10:41	0.2	43.47	0.0	29.00	
10:42	0.2	42.40	0.0	31.27	
10:43	0.2	42.60	0.0	32.40	
10:44	0.2	44.87	0.0	32.13	
10:45	0.2	46.20	0.0	31.93	
10:46	0.2	48.87	0.0	32.33	
10:47	0.2	49.67	0.0	33.13	
10:48	0.2	49.80	0.0	33.20	
10:49	0.2	49.80	0.0	33.47	
10:50	0.2	49.53	0.0	33.67	
10:51	0.2	49.47	0.0	34.27	
10:52	0.1	48.67	0.0	35.73	
10:53	0.1	47.80	0.0	34.93	
10:54	0.1	50.27	0.0	34.20	
10:55	0.1	51.07	0.1	33.27	
10:56	0.2	53.27	0.1	33.13	
10:57	0.2	53.93	0.1	34.07	
10:58	0.2	54.27	0.1	34.47	
10:59	0.2	52.60	0.1	34.60	
11:00	0.2	52.40	0.1	34.40	
11:01	0.2	50.60	0.1	34.53	
11:02	0.2	50.67	0.1	34.53	
11:03	0.2	52.33	0.1	34.73	
11:04	0.2	53.27	0.1	34.53	
11:05	0.2	58.07	0.1	33.20	
11:06	0.2	58.00	0.1	32.40	
11:07	0.2	58.60	0.1	31.67	
11:08	0.2	58.80	0.1	31.60	
11:09	0.2	56.27	0.1	32.27	
11:10	0.2	56.27	0.0	32.27	
11:11	0.2	54.87	0.0	33.47	
11:12	0.2	55.07	0.0	34.27	
11:13	0.2	55.53	0.0	34.80	
11:14	0.2	56.33	0.0	35.47	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:15	0.2	56.67	0.0	35.87	
11:16	0.2	56.93	0.0	36.47	
11:17	0.2	57.67	0.0	36.93	
11:18	0.2	57.13	0.0	37.67	
11:19	0.2	56.00	0.0	38.40	
11:20	0.2	51.60	0.0	38.87	
11:21	0.2	51.73	0.0	39.33	
11:22	0.2	52.00	0.0	39.00	
11:23	0.2	52.47	0.0	39.33	
11:24	0.2	52.53	0.0	38.73	
11:25	0.2	54.13	0.0	38.93	
11:26	0.2	55.87	0.0	39.27	
11:27	0.2	56.27	0.0	39.80	
11:28	0.2	56.33	0.0	40.00	
11:29	0.2	56.33	0.0	41.53	
11:30	0.2	56.07	0.0	42.27	
11:31	0.2	58.60	0.0	43.13	
11:32	0.2	58.40	0.0	43.20	
11:33	0.2	58.07	0.0	43.47	
11:34	0.2	57.93	0.0	43.13	
11:35	0.2	57.67	0.0	43.07	
11:36	0.2	57.80	0.0	43.07	
11:37	0.2	57.67	0.0	43.40	
11:38	0.2	57.27	0.0	43.40	
11:39	0.2	57.20	0.0	43.53	
11:40	0.2	55.47	0.0	43.00	
11:41	0.2	53.80	0.0	42.67	
11:42	0.2	53.27	0.0	41.00	
11:43	0.2	54.73	0.0	40.20	
11:44	0.2	54.80	0.0	38.80	
11:45	0.2	60.93	0.0	38.47	
11:46	0.3	59.93	0.0	38.13	
11:47	0.3	60.47	0.0	39.07	
11:48	0.3	61.27	0.0	40.67	
11:49	0.3	61.47	0.0	43.80	
11:50	0.3	61.80	0.0	44.27	
11:51	0.3	61.87	0.0	44.60	
11:52	0.3	62.13	0.0	45.07	
11:53	0.2	62.53	0.0	45.13	
11:54	0.2	62.73	0.0	45.40	
11:55	0.2	63.20	0.0	45.67	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
11:56	0.2	63.27	0.0	46.07	
11:57	0.2	63.40	0.0	46.60	
11:58	0.2	61.80	0.0	46.93	
11:59	0.2	61.53	0.0	46.93	
12:00	0.2	55.73	0.0	46.20	
12:01	0.2	54.13	0.0	44.87	
12:02	0.2	53.47	0.0	41.93	
12:03	0.2	52.47	0.0	41.27	
12:04	0.2	52.73	0.0	40.93	
12:05	0.2	52.53	0.0	40.53	
12:06	0.2	52.47	0.0	40.27	
12:07	0.2	52.53	0.0	40.20	
12:08	0.2	52.67	0.0	40.33	
12:09	0.2	52.73	0.0	40.20	
12:10	0.2	52.93	0.0	40.27	
12:11	0.2	53.40	0.0	40.27	
12:12	0.2	53.87	0.0	40.67	
12:13	0.2	54.40	0.0	40.93	
12:14	0.2	54.73	0.0	41.13	
12:15	0.2	55.33	0.0	41.40	
12:16	0.2	55.93	0.0	42.20	
12:17	0.2	56.20	0.0	42.73	
12:18	0.2	56.67	0.0	43.20	
12:19	0.2	56.40	0.0	44.13	
12:20	0.1	56.40	0.0	44.73	
12:21	0.1	56.53	0.0	45.27	
12:22	0.1	56.60	0.0	45.53	
12:23	0.1	56.80	0.0	45.47	
12:24	0.1	57.20	0.0	45.47	
12:25	0.1	57.53	0.0	45.47	
12:26	0.1	57.93	0.0	45.53	
12:27	0.1	58.07	0.0	45.80	
12:28	0.1	58.47	0.0	45.67	
12:29	0.1	59.47	0.0	45.60	
12:30	0.1	60.20	0.0	45.80	
12:31	0.1	60.60	0.0	45.73	
12:32	0.1	61.73	0.0	45.67	
12:33	0.1	62.13	0.0	46.60	
12:34	0.1	62.67	0.0	47.00	
12:35	0.1	63.00	0.0	47.67	
12:36	0.1	62.87	0.0	48.33	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
12:37	0.1	63.67	0.0	49.00	
12:38	0.1	63.93	0.0	49.07	
12:39	0.1	65.80	0.0	49.00	
12:40	0.1	65.93	0.0	48.87	
12:41	0.1	66.07	0.0	48.73	
12:42	0.1	66.20	0.0	48.60	
12:43	0.1	65.60	0.0	48.47	
12:44	0.1	64.33	0.0	48.47	
12:45	0.1	63.27	0.0	48.73	
12:46	0.1	62.40	0.0	48.07	
12:47	0.1	60.87	0.0	47.60	
12:48	0.1	60.13	0.0	47.20	
12:49	0.1	59.40	0.0	46.80	
12:50	0.1	58.87	0.0	46.33	
12:51	0.1	58.40	0.0	46.07	
12:52	0.1	58.13	0.0	45.80	
12:53	0.1	57.07	0.0	45.60	
12:54	0.1	54.67	0.0	45.20	
12:55	0.1	53.53	0.0	44.60	
12:56	0.1	52.07	0.0	44.40	
12:57	0.1	50.27	0.0	44.53	
12:58	0.1	48.73	0.0	44.27	
12:59	0.1	48.67	0.0	43.47	
13:00	0.1	47.13	0.0	42.53	
13:01	0.1	45.67	0.0	41.60	
13:02	0.1	44.67	0.0	40.80	
13:03	0.1	43.80	0.0	40.13	
13:04	0.1	43.73	0.0	39.27	
13:05	0.1	43.80	0.0	38.33	
13:06	0.1	43.13	0.0	37.27	
13:07	0.1	43.13	0.0	36.87	
13:08	0.1	42.93	0.0	36.87	
13:09	0.1	42.00	0.0	36.67	
13:10	0.1	42.53	0.0	35.33	
13:11	0.1	42.60	0.0	35.07	
13:12	0.1	42.47	0.0	35.27	
13:13	0.1	42.47	0.0	35.53	
13:14	0.1	41.00	0.0	36.27	
13:15	0.1	40.73	0.0	36.40	
13:16	0.1	40.73	0.0	36.80	
13:17	0.1	40.53	0.0	37.07	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:18	0.1	40.80	0.0	37.00	
13:19	0.1	39.33	0.0	36.67	
13:20	0.1	37.60	0.0	36.13	
13:21	0.1	36.73	0.0	35.13	
13:22	0.1	34.13	0.0	33.80	
13:23	0.1	33.13	0.0	33.07	
13:24	0.1	32.60	0.0	31.07	
13:25	0.1	30.93	0.0	29.40	
13:26	0.1	30.40	0.0	28.00	
13:27	0.1	31.07	0.0	26.33	
13:28	0.1	30.60	0.0	25.40	
13:29	0.1	30.60	0.0	24.00	
13:30	0.1	31.00	0.0	23.60	
13:31	0.1	31.33	0.0	23.87	
13:32	0.1	31.67	0.0	24.00	
13:33	0.1	31.27	0.0	24.60	
13:34	0.1	31.40	0.0	24.93	
13:35	0.1	31.47	0.0	25.73	
13:36	0.1	31.60	0.0	26.60	
13:37	0.1	31.67	0.0	27.73	
13:38	0.1	31.60	0.0	28.20	
13:39	0.1	31.67	0.0	28.20	
13:40	0.1	31.73	0.0	28.27	
13:41	0.1	31.13	0.0	28.07	
13:42	0.1	29.87	0.0	28.00	
13:43	0.1	29.60	0.0	27.53	
13:44	0.1	29.47	0.0	27.13	
13:45	0.1	28.87	0.0	26.93	
13:46	0.1	29.13	0.0	26.07	
13:47	0.1	28.60	0.0	25.40	
13:48	0.1	28.13	0.0	24.27	
13:49	0.1	28.13	0.0	23.47	
13:50	0.1	29.40	0.0	22.87	
13:51	0.1	30.47	0.0	24.27	
13:52	0.1	31.47	0.0	25.07	
13:53	0.1	32.47	0.0	26.07	
13:54	0.1	33.27	0.0	28.40	
13:55	0.1	33.80	0.0	29.87	
13:56	0.1	34.93	0.0	30.93	
13:57	0.1	35.80	0.0	32.27	
13:58	0.1	37.40	0.0	33.27	

CAMP Monitoring - 3/01/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - NW at 8mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
13:59	0.2	39.27	0.0	34.47	
14:00	0.2	41.73	0.0	36.00	
14:01	0.2	42.40	0.0	37.07	
14:02	0.2	47.13	0.0	38.93	
14:03	0.2	48.87	0.0	40.33	
14:04	0.1	50.00	0.0	40.73	
14:05	0.2	52.20	0.0	41.80	
14:06	0.1	52.07	0.0	42.27	
14:07	0.1	52.47	0.0	41.13	
14:08	0.1	55.07	0.0	40.47	
14:09	0.1	55.47	0.0	41.00	
14:10	0.1	54.93	0.0	40.53	
14:11	0.1	54.53	0.0	40.33	
14:12	0.1	54.20	0.0	40.40	
14:13	0.1	54.40	0.0	39.93	
14:14	0.1	52.73	0.0	39.27	
14:15	0.1	51.20	0.0	38.07	
14:16	0.1	50.60	0.0	37.13	
14:17	0.1	47.13	0.0	35.47	
14:18	0.1	45.87	0.0	34.13	
14:19	0.1	45.33	0.0	33.33	
14:20	0.1	42.53	0.0	33.40	
14:21	0.1	46.53	0.0	33.47	
14:22	0.1	46.07	0.0	32.33	Completed Soil Stockpile Loadout and onsite moving for the day.
14:23	0.1	44.13	0.0	31.87	
14:24	0.1	43.80	0.0	31.87	
14:25	0.1	44.27	0.0	31.07	
14:26	0.1	44.53	0.0	31.27	
14:27	0.1	44.67	0.0	32.47	
14:28	0.1	44.00	0.0	32.93	
14:29	0.1	44.13	0.0	33.27	
14:30	0.1	43.60	0.0	33.47	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		249.07	Exceeds background levels by 150 µg/m3

CAMP Monitoring - 3/02/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - E at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:06	--	--	--	--	START CAMP Monitoring
7:07	--	--	--	--	
7:08	--	--	--	--	
7:09	--	--	--	--	
7:10	--	--	--	--	
7:11	--	--	--	--	
7:12	--	--	--	--	
7:13	--	--	--	--	
7:14	--	--	--	--	
7:15	--	--	--	--	
7:16	--	--	--	--	
7:17	--	--	--	--	
7:18	--	--	--	--	
7:19	--	--	--	--	
7:20	0.0	71.40	0.0	52.47	Begin onsite soil stockpile moving and load-out.
7:21	0.0	68.47	0.0	52.27	
7:22	0.0	71.53	0.0	52.87	
7:23	0.0	74.33	0.0	53.20	
7:24	0.0	75.93	0.0	53.60	
7:25	0.0	76.73	0.0	54.60	
7:26	0.0	77.07	0.0	55.33	
7:27	0.0	76.80	0.0	55.80	
7:28	0.0	77.20	0.0	56.40	
7:29	0.0	77.80	0.0	56.73	
7:30	0.0	75.67	0.0	56.93	
7:31	0.0	75.60	0.0	56.07	
7:32	0.0	81.73	0.0	57.13	
7:33	0.0	86.07	0.0	56.80	
7:34	0.0	86.13	0.0	56.93	
7:35	0.0	86.53	0.0	57.73	
7:36	0.0	86.53	0.0	58.60	
7:37	0.0	84.60	0.0	59.20	
7:38	0.0	83.00	0.0	59.20	
7:39	0.0	82.73	0.0	59.87	
7:40	0.0	82.67	0.0	61.00	
7:41	0.0	83.40	0.0	61.60	
7:42	0.0	84.67	0.0	62.07	
7:43	0.0	85.13	0.0	62.53	
7:44	0.0	85.53	0.0	63.07	
7:45	0.0	85.93	0.0	62.60	
7:46	0.0	86.87	0.0	63.00	

CAMP Monitoring - 3/02/2023

Bridge Cleaners Site

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Wind Direction - E at 5mph

Time	NorthEast Station		NorthWest Station		Notes
	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	VOC (Avg15) (ppm)	PM10 (Avg15) ($\mu g/m^3$)	
7:47	0.0	82.13	0.0	63.27	
7:48	0.0	78.87	0.0	64.07	
7:49	0.0	78.13	0.0	64.47	
7:50	0.0	78.47	0.0	65.33	
7:51	0.0	79.53	0.0	66.07	
7:52	0.0	80.73	0.0	66.47	
7:53	0.0	81.93	0.0	66.60	
7:54	0.0	83.00	0.0	67.33	Completed Soil Stockpile Loadout and onsite moving for the day.
7:55	0.0	84.20	0.0	68.47	
7:56	0.0	84.87	0.0	69.60	
7:57	0.0	85.67	0.0	70.53	
7:58	0.0	87.00	0.0	71.53	
7:59	0.0	87.80	0.0	72.47	
8:00	0.0	88.47	0.0	73.13	
8:01	0.0	89.13	0.0	73.13	
8:02	0.0	89.33	0.0	73.40	END CAMP Monitoring

NOTES			
VOC	Volatile organic compound	PM10	Particulates <10 micrometers
Avg15	15-minute running average	µg/m3	Micrograms per cubic meter
ppm	Parts per million	--	Not collected
		249.07	Exceeds background levels by 150 µg/m3

Appendix E

Soil and Concrete "Contained-In" Determinations

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

May 2, 2022

Sent via e-mail, no hard copy to follow

Nicholas Krasnecky, P.E.
Environmental Engineering Compliance Control, D.P.C.
One Emery Ave., Suite 2
Randolph, NJ 07689

Re: Contained-in Request
Bridge Cleaners
NYSDEC Site #241127

Dear Mr. Krasnecky:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your letter dated April 20, 2022, requesting a “contained-in” determination soils to be excavated during redevelopment of the Former Bridge Cleaners property located at 39-26 30th Street, Queens, NY (Site).

Solid Environmental Media Evaluation

Concentrations (Lab Sampling ID: 460-255692-1, 460-255692-2, 460-255692-3, 460-255692-4, 460-255692-5, 460-255692-6, 460-255692-7, 460-255692-8, 460-255692-9, 460-255692-10, 460-255692-11, 460-255692-12, 460-255692-13, 460-255692-14, 460-255692-15, 460-255692-16, 460-255692-17, 460-255692-18, 460-255692-19, 460-255692-20, 460-255692-21, 460-255715-1, 460-255715-2, 460-255715-3, 460-255715-4, 460-255715-5, 460-255715-6, 460-255715-7, 460-255715-8, 460-255715-9, 460-255715-10, 460-255715-11, 460-255715-12, 460-255715-13, 460-255715-14, 460-255715-15, 460-255715-16, 460-255715-11460-255715-17 and460-255715-18) detected for individual volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs and Metal were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene, trichloroethene and 1,2-dichloroethene detected in the analytical data (Lab Sampling ID: 460-255692-1, 460-255692-2, 460-255692-3, 460-255692-4, 460-255692-5, 460-255692-6, 460-255692-7, 460-255692-8, 460-255692-9, 460-255692-10, 460-255692-11, 460-255692-12, 460-255692-13, 460-255692-14, 460-255692-15, 460-255692-16, 460-255692-17, 460-255692-18, 460-255692-19, 460-255692-20 and 460-255692-21) were below the soil "contained-in" action levels and Land Disposal Restriction concentrations. Therefore, soils to be excavated during redevelopment of the referenced project do not have to be managed as a hazardous waste and may be transported off-site to a permitted 360 solid waste facility or an out-of-state permitted solid waste facility, able to accept this material as non-hazardous waste.

General Evaluation

During the soil excavation, if Environmental Engineering Compliance Control, D.P.C. (EECC) may encounter stain, discoloration or exhibits odors suggesting contamination, such material shall be separated from the excavated material and should be properly stockpiled and analyzed as per the approved Remedial Work Plan, and depending on the results, EECC may request a "Contained-In" determination for this material.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

ec: R. Curley, DEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

May 13, 2022

Sent via e-mail, no hard copy to follow

Nicholas Krasnecky, P.E.
Environmental Engineering Compliance Control, D.P.C.
One Emery Ave., Suite 2
Randolph, NJ 07689

Re: Contained-in Request
Bridge Cleaners
NYSDEC Site # 241127

Dear Mr. Krasnecky:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your letter dated April 20, 2022, requesting a “contained-in” determination for concrete during redevelopment of the Former Bridge Cleaners property located at 39-26 30th Street, Queens, NY (Site).

Solid Environmental Media Evaluation

Concentrations (Lab Sampling ID: 460-256171-1, 460-256171-2, 460-256171-3, 460-256171-4, 460-256171-5, 460-256171-6, 460-256171-7, 460-256171-8, 460-256171-9, 460-256171-10, 460-256171-11 and 460-257083-1) detected for individual volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs and metals were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene, trichloroethene and 1,2-dichloroethene detected in the analytical data (Lab Sampling ID: 460-256171-1, 460-256171-2, 460-256171-3, 460-256171-4, 460-256171-5, 460-256171-6, 460-256171-7, 460-256171-8, 460-256171-9, 460-256171-10 and 460-256171-11) were below the soil “contained-in” action levels and Land Disposal Restriction concentrations. Therefore, concrete to be

demolish during redevelopment of the referenced project do not have to be managed as a hazardous waste and may be disposed as non-hazardous C&D materials to a permitted 360 solid waste facility or an out-of-state permitted solid waste facility, able to accept this material.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

ec: R. Curley, DEC

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Materials Management, Bureau of Hazardous Waste and Radiation Management
625 Broadway, 9th Floor, Albany, New York 12233-7256
P: (518) 402-8651 | F: (518) 402-9024
www.dec.ny.gov

December 9, 2022

Sent via e-mail, no hard copy to follow

Nicholas Krasnecky, P.E.
Environmental Engineering Compliance Control, D.P.C.
One Emery Ave., Suite 2
Randolph, NJ 07689

Re: **Revised** -Contained-in Request
Bridge Cleaners
NYSDEC Site #241127

Dear Mr. Krasnecky:

The New York State Department of Environmental Conservation (NYSDEC or the Department) has reviewed your letter dated April 20, 2022, requesting a "contained-in" determination soils to be excavated during redevelopment of the Former Bridge Cleaners property located at 39-26 30th Street, Queens, NY (Site), and per your December 8, 2022 request for export of the excavated soil (~1,200 c.y), with the current Contained-In Determination to be used as beneficial use clean fill as per EarthEfficient reviews.

Solid Environmental Media Evaluation

Concentrations (Lab Sampling ID: 460-255692-1, 460-255692-2, 460-255692-3, 460-255692-4, 460-255692-5, 460-255692-6, 460-255692-7, 460-255692-8, 460-255692-9, 460-255692-10, 460-255692-11, 460-255692-12, 460-255692-13, 460-255692-14, 460-255692-15, 460-255692-16, 460-255692-17, 460-255692-18, 460-255692-19, 460-255692-20, 460-255692-21, 460-255715-1, 460-255715-2, 460-255715-3, 460-255715-4, 460-255715-5, 460-255715-6, 460-255715-7, 460-255715-8, 460-255715-9, 460-255715-10, 460-255715-11, 460-255715-12, 460-255715-13, 460-255715-14, 460-255715-15, 460-255715-16, 460-255715-11460-255715-17 and 460-255715-18) detected for individual volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), PCBs and Metal were all less than their current NYSDEC "contained in" soil action levels and Land Disposal Restriction concentrations. Most of the individual VOCs, SVOCs and PCBs were not detected above the reporting limit. No hazardous constituents exhibited a hazardous waste characteristic by exceeding their TCLP regulatory level.

Concentrations for tetrachloroethene, trichloroethene and 1,2-dichloroethene detected in the analytical data (Lab Sampling ID: 460-255692-1, 460-255692-2, 460-255692-3, 460-255692-4, 460-255692-5, 460-255692-6, 460-255692-7, 460-255692-8, 460-255692-9, 460-255692-10, 460-255692-11, 460-255692-12, 460-255692-13, 460-255692-14, 460-255692-15, 460-255692-16, 460-255692-17, 460-255692-18, 460-255692-19, 460-255692-20 and 460-255692-21) were below the soil "contained-in" action levels and Land Disposal Restriction concentrations. Therefore, soil (~1,200 c.y) to be excavated during redevelopment of the referenced project do not have to be managed as a hazardous waste and may be transported off-site to either HFR Facility located at 1 Foul Rift Road in Belvidere, NJ, XRDS Facility located at 190 Pompton Plains Crossroad in Wayne, NJ, and HBR Facility located at 3189 Belvidere Road in Phillipsburg, NJ, able to accept this material for reuse as fill under the New Jersey State environmental regulation.

Any material that does not meet these facilities must need a new "contained-in" determination request.

General Evaluation

During the soil excavation, if Environmental Engineering Compliance Control, D.P.C. (EECC) may encounter stain, discoloration or exhibits odors suggesting contamination, such material shall be separated from the excavated material and should be properly stockpiled and analyzed as per the approved Remedial Work Plan, and depending on the results, EECC may request a "Contained-In" determination for this material.

Should you have any questions regarding the content of this letter, please do not hesitate to contact me at (518) 402-9611 or email me at henry.wilkie@dec.ny.gov.

Sincerely,

Henry Wilkie
Assistant Environmental Engineer
RCRA Permit Section

ec: R. Curley, DEC

Appendix F

Well Decommissioning Forms

FIGURE 3

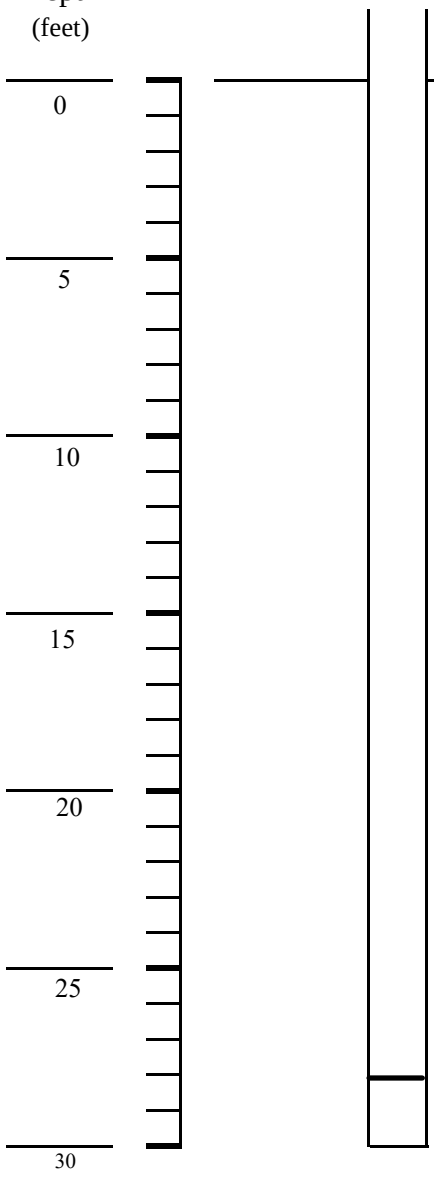
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: GW-1
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-28.46
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

FIGURE 3

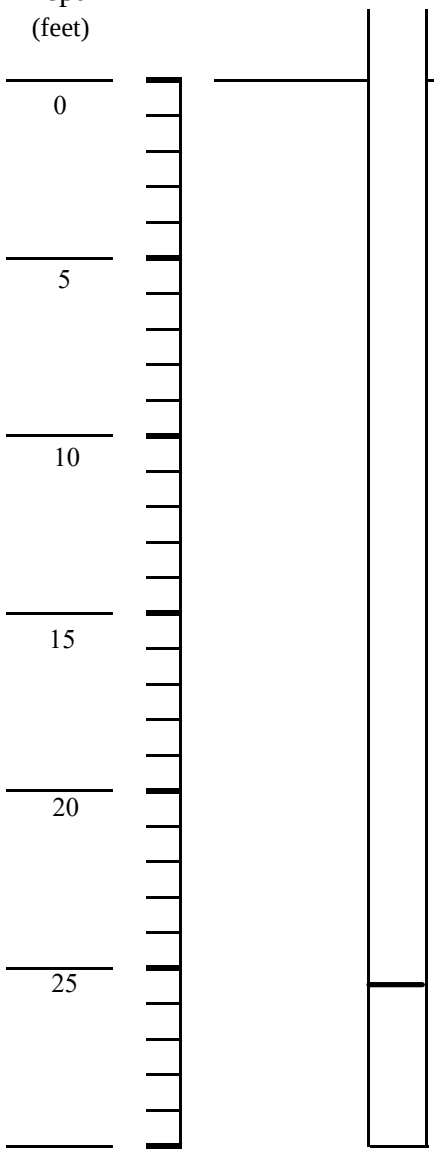
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: GW-2
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-26.13
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

FIGURE 3

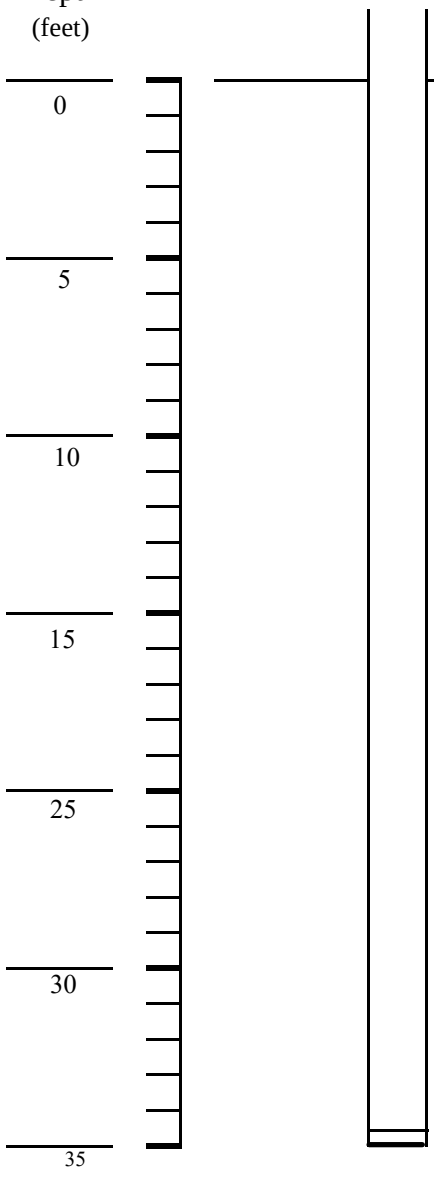
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: GW-3
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-34.78
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2.5

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

FIGURE 3

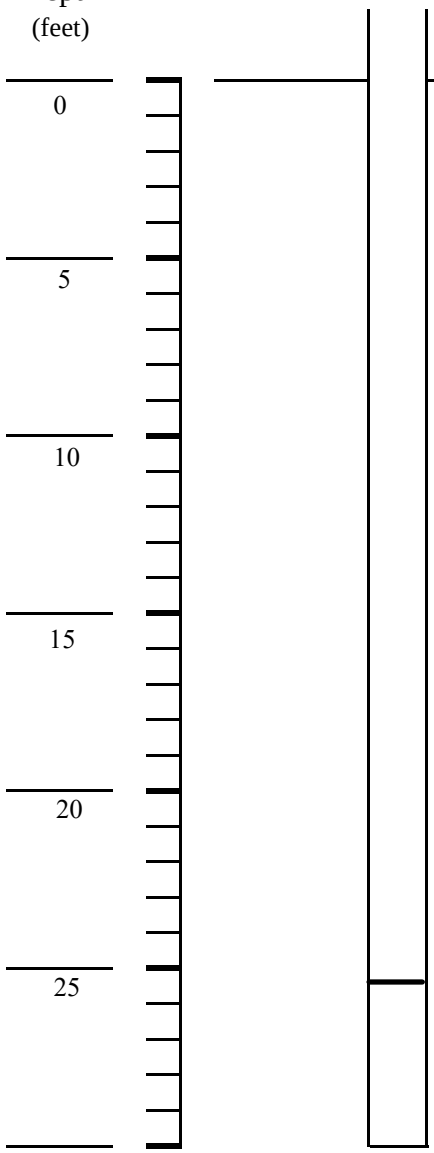
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: GW-4
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-25.70
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

FIGURE 3

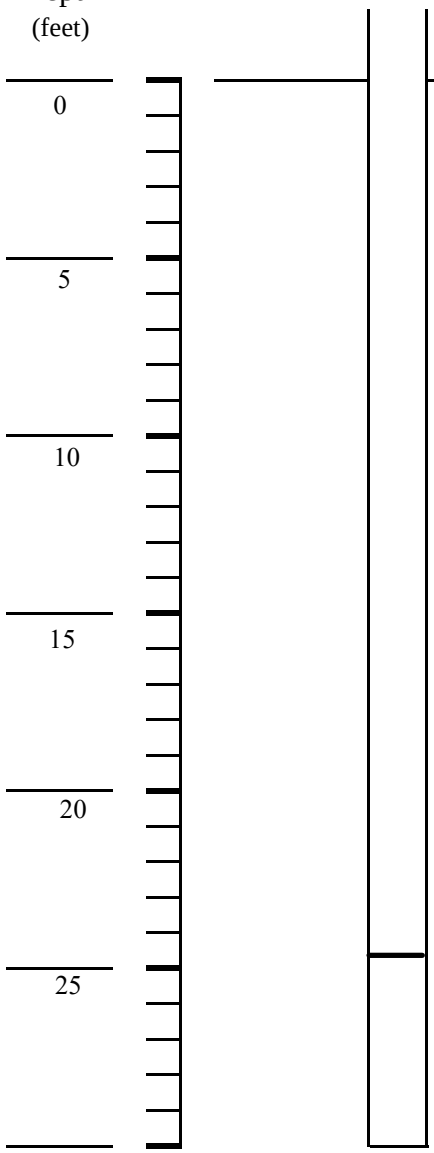
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: GW-5
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-24.85
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

FIGURE 3

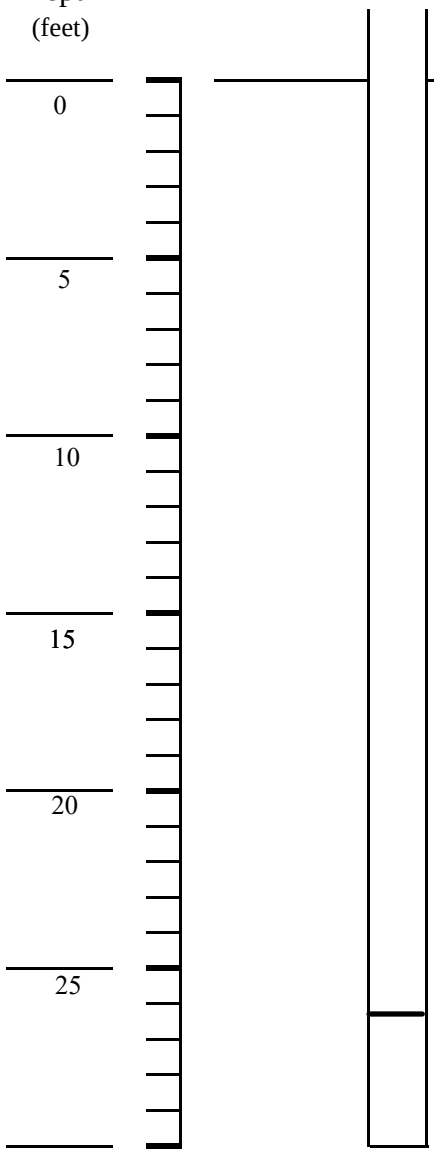
WELL DECOMMISSIONING RECORD

Site Name: Bridge Cleaners Site	Well I.D.: RW-1
Site Location: 39-26 30th St, Long Island City, NY	Driller: Dennis Berthold
Drilling Co.: Coastal Environmental Solutions / NYRD10994	Inspector: Marc Morgenstern
	Date: 5/6/2022

DECOMMISSIONING DATA
(Fill in all that apply)

OVERDRILLING	
Interval Drilled	
Drilling Method(s)	
Borehole Dia. (in.)	
Temporary Casing Installed? (y/n)	
Depth temporary casing installed	
Casing type/dia. (in.)	
Method of installing	
CASING PULLING	
Method employed	
Casing retrieved (feet)	
Casing type/dia. (in)	
CASING PERFORATING	
Equipment used	
Number of perforations/foot	
Size of perforations	
Interval perforated	
GROUTING	
Interval grouted (FBLS)	1-26.53
# of batches prepared	2
For each batch record:	
Quantity of water used (gal.)	7.8
Quantity of cement used (lbs.)	94
Cement type	Type 1 Portland
Quantity of bentonite used (lbs.)	3.9
Quantity of calcium chloride used (lbs.)	0
Volume of grout prepared (gal.)	~11
Volume of grout used (gal.)	~2

WELL SCHEMATIC*



COMMENTS: Manhole cemented in place. Well installed by others so exact screen interval unknown.

* Sketch in all relevant decommissioning data, including: interval overdrilled, interval grouted, casing left in hole, well stickup, etc.

Coastal Environmental Solutions, Inc. / Marc Morgenstern
Drilling Contractor

Marc C. Morgenstern

Department Representative

Appendix G

Disposal Documentation - Concrete

Concrete Disposal Log
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Date	Ticket #	Manifest #	Truck #	Disposal Facility	Weight (tons)
8/16/2022	312233	149225	AME12	Puresoil, Jackson, NJ	23.32
8/16/2022	312234	149224	AME08	Puresoil, Jackson, NJ	24.1
8/16/2022	312252	149223	CALLE02	Puresoil, Jackson, NJ	24.35
8/16/2022	312254	149222	CALLE01	Puresoil, Jackson, NJ	24.74
8/16/2022	312259	149221	INCA77	Puresoil, Jackson, NJ	25.88
8/16/2022	312260	149220	INCA777	Puresoil, Jackson, NJ	28.24
				Total	**150.63**

Customer Delivery Billing Report

Date:8/16/22 Time: 5:06:01PM Report Date: 8/16/2022 00:00 to 8/16/2022 23:59:59

Site(s) Requested: ALL								Loads	Amount (Tn)
Customer - **0003724** - COMPLIANCE FIELD SERVICES								**6**	**150.63**
Job - **2205005** - LIC REMEDIATION Quote No.: 2205-005								**6**	**150.63**
Phase - **0** -								**6**	**150.63**
Product Id - Name **JR89** - PURE SOIL CONCRETE								**6**	**150.63**
Void Ticket #	Date	Time	Ld #	Ticket #	Manif #	Carrier Id - Name	Truck Id - Description		
	8/16/22	10:23 am	1	312233	149225	AMELIA - AMELIA TRUCKING	AME12 - AMELIA TRUCKING 12		23.32
	8/16/22	10:25 am	2	312234	149224	AMELIA - AMELIA TRUCKING	AME08 - AMELIA TRUCKING 08		24.10
	8/16/22	11:35 am	3	312252	149223	MR CAL - MR CALLE	CALLE02 - MR CALLE 02		24.35
	8/16/22	11:38 am	4	312254	149222	MR CAL - MR CALLE	CALLE01 - MR CALLE 01		24.74
	8/16/22	11:56 am	5	312259	149221	INCA - INCA LOGISTICS	INCA77 - INCA LOGISTICS 77		25.88
	8/16/22	12:00 pm	6	312260	149220	INCA - INCA LOGISTICS	INCA777 - INCA LOGISTICS 777		28.24

T+D

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ 08527
732-657-8551

CUSTOMER: COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

CUSTOMER NO: 3724

TICKET NO: **312233**
DATE: 08/16/22
TIME: 10:23 AM

JOB NAME: LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

JOB NO: 2205005
QUOTE NO: 2205-005

MANIFEST NO: 149225
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: AMELIA TRUCKING
TRUCK NO: AME12
LIC. PLATE: AW421C

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
1	21.16	23.32	34.34 Mg	GROSS	37.85 TN
TO-DATE LOADS	METRIC	TONNAGE	13.18 Mg	TARE	14.53 TN
1	21.16	23.32	21.16 Mg	NET	23.32 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149225

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material
2205005	PURE SOIL CONCRETE

*** Must be Initialed By Authorized Agent.*

	SITE	**INITIALS
Time Arrive:		
Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Huston as an agent for Generator — Michael R. Huston — 8/16/2022
Generator/Authorized Agent Name (Print) — Signature — Shipment Date

TRANSPORTER

Transporter Name: AA Trucking
Address:
City, State, Zip:

Driver Name (Print): ANTHONY
Vehicle License No/State/EPA No.: AW 425 C
Truck Number: 12

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 8-16-22 Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Date

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-8551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — **Signature** — 8/16/22 **Receipt Date**

Form: PST CB

OFFICE COPY

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ O8527
732-657-8551

CUSTOMER: COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

CUSTOMER NO: 3724

TICKET NO: ***312234***
DATE: 08/16/22
TIME: 10:25 AM

JOB NAME: LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

JOB NO: 2205005

QUOTE NO: 2205-005

MANIFEST NO: 149224
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: AMELIA TRUCKING

TRUCK NO: AME08

LIC. PLATE: AW823D

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
2	43.02	47.42	34.43 Mg	GROSS	37.95 TN
TO-DATE LOADS	METRIC	TONNAGE	12.57 Mg	TARE	13.85 TN
2	43.02	47.42	21.86 Mg	NET	24.10 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149224

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material
2205005	PURE SOIL CONCRETE

** *Must be Initialed By Authorized Agent.*

	SITE	**INITIALS
Time Arrive:		
Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Huston as an agent for Generator — Generator/Authorized Agent Name (Print)
Michael M. Huston — Signature
9/16/2022 — Shipment Date

TRANSPORTER

Transporter Name: AT trucking
Address:
City, State, Zip:
Driver Name (Print): Herb
Vehicle License No/State/EPA No.: AUG23D
Truck Number: 8

I hereby certify that the above named material was picked up at the generator/site listed above.

Driver Signature — Date: 8-16-22

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature — Date: 8-16-22

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-8551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent — Signature — Receipt Date: 8/16/22

Form: PST CB

OFFICE COPY

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ 08527
732-657-8551

CUSTOMER:
COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

CUSTOMER NO: 3724

TICKET NO: ***312252***
DATE: 08/16/22
TIME: 11:35 AM

JOB NAME:
LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

JOB NO: 2205005
QUOTE NO: 2205-005

MANIFEST NO: 149223
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: MR CALLE
TRUCK NO: CALLE02
LIC. PLATE: AW464Z

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
3	65.11	71.77	35.57 Mg	GROSS	39.21 TN
TO-DATE LOADS	METRIC	TONNAGE	13.48 Mg	TARE	14.86 TN
3	65.11	71.77	22.09 Mg	NET	24.35 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149223

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material
2205005	PURE SOIL CONCRETE

** *Must be Initialed By Authorized Agent.*

	SITE	**INITIALS
Time Arrive:		
Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Huston as an agent for generator — Signature — 08/16/2022

Generator/Authorized Agent Name (Print) | Signature | Shipment Date

TRANSPORTER

Transporter Name: Mr. Calle
Address:
City, State, Zip:

Driver Name (Print): Darrell
Vehicle License No/State/EPA No.: AW46HZ
Truck Number: 02

I hereby certify that the above named material was picked up at the ~~generator site listed~~ above.

Driver Signature — Date: 08/16/22

I hereby certify that the above named material was delivered without ~~incident to the~~ destination listed below.

Driver Signature — Date: 08/16/22

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-0551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | Receipt Date: 8/16/22

Form: PST CB

OFFICE COPY

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ O8527
732-657-8551

CUSTOMER: CUSTOMER NO: 3724

COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

TICKET NO: ***312254***
DATE: 08/16/22
TIME: 11:38 AM

JOB NAME: JOB NO: 2205005 QUOTE NO: 2205-005

LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

MANIFEST NO: 149222
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: MR CALLE TRUCK NO: CALLE01 LIC. PLATE: AW764W

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
4	87.55	96.51	35.83 Mg	GROSS	39.49 TN
TO-DATE LOADS	METRIC	TONNAGE	13.38 Mg	TARE	14.75 TN
4	87.55	96.51	22.44 Mg	NET	24.74 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED.BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149222

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material
2205005	PURE SOIL CONCRETE

*** Must be Initialed By Authorized Agent.*

	SITE	**INITIALS
Time Arrive:		
Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Huston as an agent for Generator — Mike Huston — 8/16/2022
Generator/Authorized Agent Name (Print) — Signature — Shipment Date

TRANSPORTER

Transporter Name: CALE.
Address: 114 2nd NEWARK.
City, State, Zip: 07104

Driver Name (Print): EDWIN
Vehicle License No/State/EPA No.: AW764W
Truck Number: 01

I hereby certify that the above named material was picked up at the generator site listed above.

Edwin Rodg — 8-16-22
Driver Signature — Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Edwin Rodg — 8-16-22
Driver Signature — Date

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-8551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent	Signature	Receipt Date
		8/16/22

Form: PST CB

OFFICE COPY

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ 08527
732-657-8551

CUSTOMER: CUSTOMER NO: 3724

COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

TICKET NO: ***312259***
DATE: 08/16/22
TIME: 11:56 AM

JOB NAME: JOB NO: 2205005 QUOTE NO: 2205-005

LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

MANIFEST NO: 149221
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: INCA LOGISTICS TRUCK NO: INCA77 LIC. PLATE: AU295Y

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
5	111.03	122.39	36.88*Mg	GROSS	40.65*TN
TO-DATE LOADS	METRIC	TONNAGE	13.40 Mg	TARE	14.77 TN
5	111.03	122.39	23.48 Mg	NET	25.88 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149221

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material
2205005	PURE SOIL CONCRETE

*** Must be Initialed By Authorized Agent.*

	SITE	**INITIALS
Time Arrive:		
Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Hyslop as an agent for Generator — 8/16/2022

Generator/Authorized Agent Name (Print) | Signature | Shipment Date

TRANSPORTER

Transporter Name: INCA Logistics LLC
Address:
City, State, Zip:

Driver Name (Print): Jose
Vehicle License No/State/EPA No.: AUZ95Y
Truck Number: 77

I hereby certify that the above named material was picked up at the generator site listed above.

Jose — 8/16/22

Driver Signature | Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

Jose — 8/16/22

Driver Signature | Date

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-8551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | 8/19/22 Receipt Date

Form: PST CB

OFFICE COPY

puresoil

Pure Soil Technologies
655 SOUTH HOPE CHAPEL RD
JACKSON, NJ O8527
732-657-8551

CUSTOMER: CUSTOMER NO: 3724

COMPLIANCE FIELD SERVICES
ONE EMERY AVENUE
RANDOLPH NJ 07869
908-670-1170

TICKET NO: ***312260***
DATE: 08/16/22
TIME: 12:00 PM

JOB NAME: JOB NO: 2205005 QUOTE NO: 2205-005

LIC REMEDIATION
39-26 30TH STREET
LONG ISLAND CITY NJ 11101

MANIFEST NO: 149220
PRODUCT: JR89
PURE SOIL CONCRETE

CARRIER: INCA LOGISTICS TRUCK NO: INCA777 LIC. PLATE: AW118G

DAILY LOADS	METRIC	TONNAGE	METRIC (MG)		ENGLISH (TN)
6	136.65	150.63	38.45 Mg	GROSS	42.38 TN
TO-DATE LOADS	METRIC	TONNAGE	12.83 Mg	TARE	14.14 TN
6	136.65	150.63	25.62 Mg	NET	28.24 TN

*= manual weight

RATE: $0.00
TAX: $0.00

TOTAL: $0.00

RECIEVED BY: _____

WEIGHMASTER: JAMES MATTHEWS NJWMS #31489

PURE SOIL TECHNOLOGIES
P.O. Drawer 43
Farmingdale, NJ 07727
Phone: 732.308.1113 Fax: 732.462.9626

149220

Weigh Scale Ticket #
 # escala de boleto

NON-HAZARDOUS MATERIAL MANIFEST

You must return 4 copies of this manifest upon delivery.

SITE INFORMATION

Site Name: LIC REMEDIATION
Address: 39-26 30TH STREET
City, State, Zip: LONG ISLAND CITY, NY 11101

AGENT / CONSULTANT

Name: COMPLIANCE FIELD SERVICES (CFS)
Contact Name: JOE
Phone: (908) 670-1170

Approval Number	Description of Material	** *Must be Initialed By Authorized Agent.*	SITE	**INITIALS
2205005	PURE SOIL CONCRETE	Time Arrive:		
		Time Depart:		

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Mike Hruston as an agent for generator — Signature — 8/16/2022

Generator/Authorized Agent Name (Print) | Signature | Shipment Date

TRANSPORTER

Transporter Name: ENCA LLC
Address: 201 CAUSA ST
City, State, Zip: ELIZABETH NJ

Driver Name (Print): John
Vehicle License No/State/EPA No.: AW18G
Truck Number: 777

I hereby certify that the above named material was picked up at the generator site listed above.

John — 8/16/22

Driver Signature | Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

John — 8/16/22

Driver Signature | Date

DESTINATION

Site Name: PURE SOIL TECHNOLOGIES
Phone: (732) 657-8551
Address: 655 SOUTH HOPE CHAPEL ROAD, JACKSON, NJ 08527

Business hours are: Monday through Friday 7 AM to 5 PM. Saturday By Appointment Only.

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent | Signature | 8/16/22 Receipt Date

Form: PST CB

OFFICE COPY

Appendix H

Disposal Documentation - Soil

Soil Disposal Log
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Date	Ticket #	Manifest #	Truck #	Disposal Facility	Weight (tons)
1/24/2023	7984	505	21	HFR, Belvidere, NJ	30.88
1/24/2023	7986	506	900	HFR, Belvidere, NJ	31.51
1/24/2023	7987	508	59	HFR, Belvidere, NJ	33.34
1/24/2023	7993	509	30	HFR, Belvidere, NJ	31.81
1/24/2023	7994	507	36	HFR, Belvidere, NJ	32.04
1/24/2023	7996	510	40	HFR, Belvidere, NJ	31.52
1/24/2023	8001	511	600	HFR, Belvidere, NJ	32.61
1/24/2023	8010	512	28	HFR, Belvidere, NJ	32.73
1/27/2023	8144	1201	900	HFR, Belvidere, NJ	32.11
1/27/2023	8146	1206	40	HFR, Belvidere, NJ	32.33
1/27/2023	8147	1202	700	HFR, Belvidere, NJ	33.7
1/27/2023	8150	1203	70	HFR, Belvidere, NJ	32.2
1/27/2023	8152	1204	28	HFR, Belvidere, NJ	33.43
1/27/2023	8153	1205	400	HFR, Belvidere, NJ	33.91
1/30/2023	8157	1224	90	HFR, Belvidere, NJ	33.71
1/30/2023	8162	1225	99	HFR, Belvidere, NJ	37.08
1/30/2023	8168	1230	70	HFR, Belvidere, NJ	33.6
1/30/2023	8170	1231	28	HFR, Belvidere, NJ	34.27
1/30/2023	8174	1232	400	HFR, Belvidere, NJ	34.11
2/7/2023	8407	1028	400	HFR, Belvidere, NJ	28.56
2/7/2023	8411	1030	90	HFR, Belvidere, NJ	29.12
2/7/2023	8412	1029	22	HFR, Belvidere, NJ	29.94
2/7/2023	8413	1031	58	HFR, Belvidere, NJ	30.09
2/7/2023	8414	1032	99	HFR, Belvidere, NJ	31.16
2/7/2023	8415	1033	84	HFR, Belvidere, NJ	31.35
3/1/2023	9127	266	36	HFR, Belvidere, NJ	32.81
3/1/2023	9130	268	64	HFR, Belvidere, NJ	33.03
3/1/2023	9139	267	30	HFR, Belvidere, NJ	33.1
3/1/2023	9197	272	1	HFR, Belvidere, NJ	29.49
3/1/2023	9198	271	3	HFR, Belvidere, NJ	33.87
				Sub-Total	*969.41*

Date	Ticket #	Manifest #	Truck #	Disposal Facility	Weight (tons)
3/1/2023	5717	46175	22	XRDS, Wayne, NJ	33.45
3/1/2023	5718	46217	300	XRDS, Wayne, NJ	31.35
3/1/2023	5719	46176	600	XRDS, Wayne, NJ	31.39
3/1/2023	5720	46177	700	XRDS, Wayne, NJ	28.43
3/1/2023	5721	46178	40	XRDS, Wayne, NJ	30.6
3/1/2023	5722	46179	500	XRDS, Wayne, NJ	29.99
3/1/2023	5723	46218	800	XRDS, Wayne, NJ	32.33
3/2/2023	5732	46400	13	XRDS, Wayne, NJ	32.3
				Sub-Total	*249.84*
				Total	**1219.25**

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 7984
Date: 01/24/2023 9:43 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 21 - Mendez Trucking 21 (AU877Z-NJ)
Manifest: 505

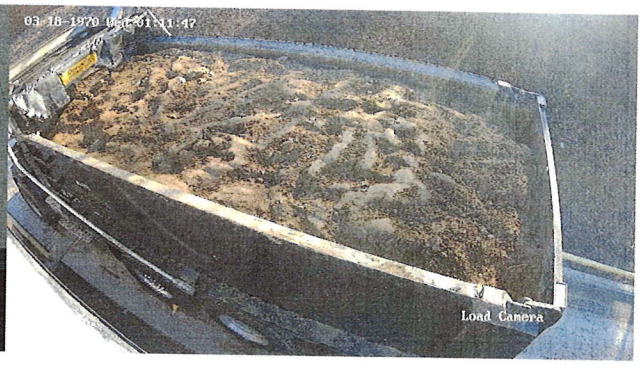
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	30.88 tn	90,160	28,400	61,760





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7984
00505

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 East 22nd St Suit 15B
New York, NY 10010
Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge Cleaner site
Address 39-26 30th St long Island City, NY 11101 NYSDEC site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards
SAMPLE / CELL ID: COMP1 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 01/24/23

TRANSPORTER

Truck No. 21
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) X Jose Andrade
Vehicle License No./State AU8772

I hereby certify that the above named material was picked up at the generator site listed above.

X Jose Andrade (Driver Signature) 01/24/23 (Shipment Date)

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐
3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑
1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: _____

Approval Code: HFR053-22

Frank EB _____ Name of Authorized Agent
_____ Signature
01/24/23 Receipt Date

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 7986
Date: 01/24/2023 9:58 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 900 - MENDEZ 900 (AS354M - NJ)
Manifest: 506

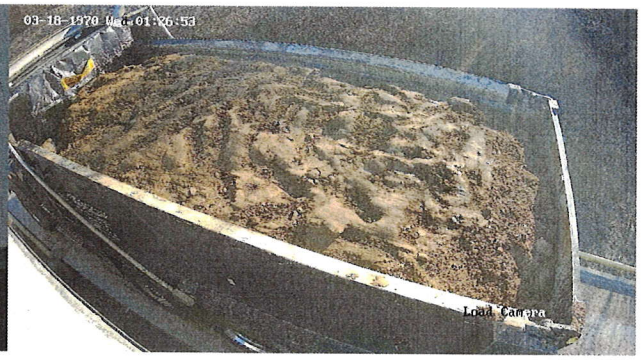
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.51 tn	91,420	28,400	63,020





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1986
00506

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd St Suite 15B New York, NY 10010
Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge Cleaner Site 39-26 30th st
Address Long Island City, NY 11101
NYSDEC Site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP 1 (0-1)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Kevin
Signature: Kevin
Shipment Date: 01 24 23

TRANSPORTER

Truck No. 900
Transporter Name Mendez
Address

Phone No.
Driver Name (Print) X Juan Netti
Vehicle License No./State AS354M

I hereby certify that the above named material was picked up at the generator site listed above.

X
Driver Signature
Shipment Date: 01 24 23

DESTINATION (Please Select One)

EARTHEFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Name of Authorized Agent
Signature

EARTHEFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

Frank EE
Signature
Receipt Date: 01 24 23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 7987
Date: 01/24/2023 10:08 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 59 - MENDEZ 59 (AX792T) NJ
Manifest: 508

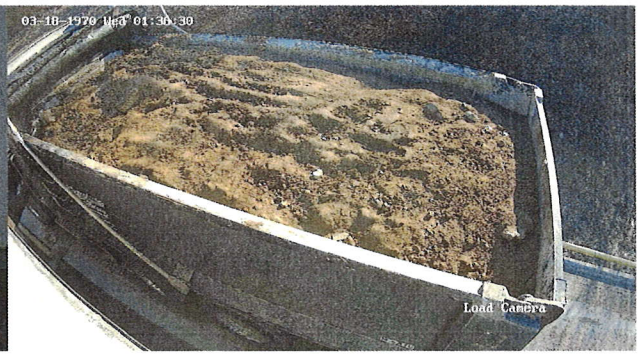
Remarks: Thank you, Drive Safely !!!!

Signature: Carlos C.

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.34 tn	92,680	26,000	66,680





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7987
00508

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15B New York, NY 10010

Generating Location Bridge cleaner S.te 39-26 50th st long Island city NY 11101 NYSdec S.te No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP 1 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [signature] Signature: [signature] Shipment Date: 01/24/23

TRANSPORTER

Truck No. 59

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) X Carlos A Odstan

Vehicle License No./State AX792T

I hereby certify that the above named material was picked up at the generator site listed above.

X Carlos A Odstan Driver Signature: 01/24/23 Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☒

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: FR0322

Frank EE Name of Authorized Agent: [signature] Signature: [signature] Receipt Date: 01/24/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTH EFFICIENT HARMONY Foul Rift

Ticket #: 7993
Date: 01/24/2023 10:26 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 30 - AW525V - NJ
Manifest: 509

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.81 tn	91,620	28,000	63,620





Antonio Sanay

EARTH EFFICIENT HARMONY

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7993
00509

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15B New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site

Address 39-26 30th st long island city NY 11101 NYsdec site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp 1 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 01/24/23

TRANSPORTER

Truck No. 30

Transporter Name Mendez

Address _____

Phone No. _____

Driver Name (Print) x Antonio Sanay

Vehicle License No./State AW525V

I hereby certify that the above named material was picked up at the generator site listed above.

x _____ Driver Signature 01/24/23 Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Name of Authorized Agent Frank CB Signature _____ Receipt Date 01/24/23

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 7994
Date: 01/24/2023 10:33 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

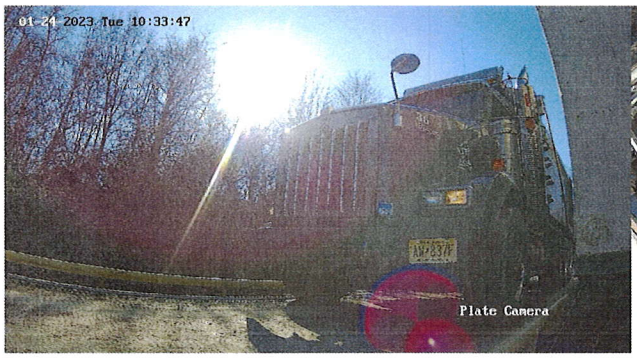
MENDEZ 36 - MENDEZ TRUCKING 36 (AW837F-NJ)
Manifest: 507

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.04 tn	92,060	27,980	64,080





EARTH EFFICIENT HARMONY

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7994
00507

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd St suit 15B
New York, NY 10010
Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaners site
Address 39-26 30th
long island City, NY 11101
NYSDEC site NO. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards
SAMPLE / CELL ID: COMP1(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [signature]
Signature: [signature]
Shipment Date: 01 24 23

TRANSPORTER

Truck No. 36
Transporter Name Mendez
Address
Phone No.
Driver Name (Print) X TIMOTHY C.
Vehicle License No./State AW837F

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature: [signature]
Shipment Date: 01 24 23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Name of Authorized Agent: [signature]
Signature: [signature]
Receipt Date:

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

Receipt Date: 01 24 23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 7996
Date: 01/24/2023 10:38 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

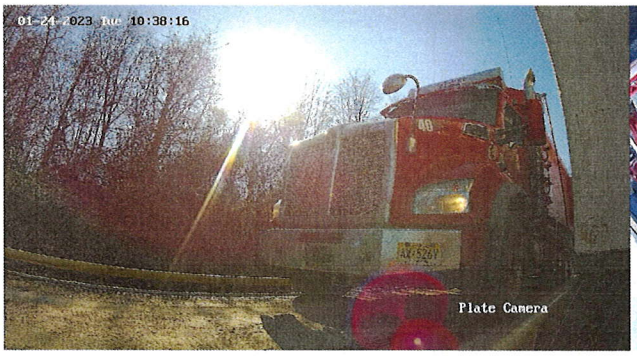
MENDEZ 40 - MENDEZ 40 (AW526V - NJ)
Manifest: 510

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.52 tn	90,440	27,400	63,040





EARTH EFFICIENT HARMONY

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7996
00510

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15B
New York, NY 10010

Generating Location Bridge cleaner site
39-26 30th st

Address Long Island city, NY 11101
NYSDEC site No. 24127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: comp1 (0-1.0)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Kirti

Signature: Kirti

Shipment Date: 01/24/23

TRANSPORTER

Truck No. 40

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) ADRIAN.

Vehicle License No./State AW526V

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

Shipment Date: 01/24/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-22

Name of Authorized Agent: Frank Ess

Signature

Receipt Date: 01/24/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8001
Date: 01/24/2023 10:50 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 600 - MENDEZ 600 (AS521B - NJ)
Manifest: 511

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.61 tn	92,220	27,000	65,220





EARTH EFFICIENT HARMONY

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8001

00511

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd St Suit 15B
New York, NY 10010

Generating Location Bridge cleaner site
39-20 st long Island city NY 11101

Address NYSDec site No. 241127

Phone No. ___-_____

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP1 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: Yuli

Signature: Yuli

Shipment Date: 012423

TRANSPORTER

Truck No. 600

Transporter Name Mender

Address

Phone No.

Driver Name (Print) x Yeiwe Yuawa

Vehicle License No./State AS521B

I hereby certify that the above named material was picked up at the generator site listed above.

x

Driver Signature

Shipment Date: 012423

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-22

Name of Authorized Agent: Frances

Signature

Receipt Date: 012423

White - Destination **Green - Destination** **Yellow - Transporter** **Pink - Generator** **Goldenrod - Consultant**

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTH EFFICIENT HARMONY Foul Rift

Ticket #: 8010
Date: 01/24/2023 11:12 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 28 - MENDEZ 28 (AU550Z-NJ)
Manifest: 512

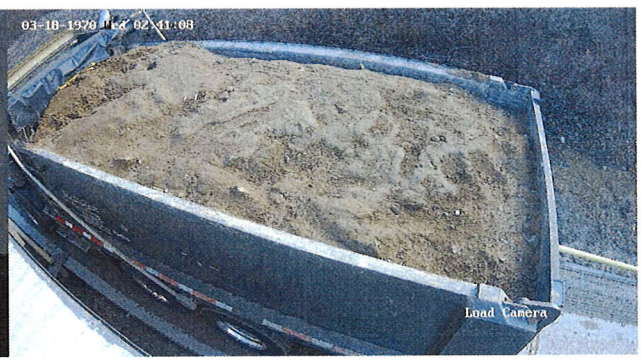
Remarks: Thank you, Drive Safely !!!!

Signature: Jaime V.

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.73 tn	94,580	29,120	65,460





EARTH EFFICIENT HARMONY

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8010

00512

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15B
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaners site

Address 39-26 47 post
long Island city. NY 11101
NYSDec site No. 241247

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: comp 1 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name: [illegible]

Signature: [illegible]

Shipment Date: 01/24/23

TRANSPORTER

Truck No. 28

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) Jaime Velepucha

Vehicle License No./State AU5504

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature: [illegible]

Shipment Date: 01/24/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Name of Authorized Agent: Frank Gs

Signature: [illegible]

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HPR053-22

Receipt Date: 01/24/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8144
Date: 01/27/2023 9:23 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 900 - MENDEZ 900 (AS354M - NJ)
Manifest: 1201

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.11 tn	92,620	28,400	64,220





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8144
1201

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 East 22nd St Suit 15B
New York, NY 10010

Phone No. ___-_____

Generating Location Bridge Cleaner Site

Address 39-26 30th St
long Island City, NY 11101
NYSDec Site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp2 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 012723

TRANSPORTER

Truck No. 900

Transporter Name Mendez

Address _____

Phone No. _____

Driver Name (Print) X Josh Netti

Vehicle License No./State AS354M

I hereby certify that the above named material was picked up at the generator site listed above.

X _____ Driver Signature _____ Shipment Date 012723

DESTINATION (Please Select One)

EARTHEFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTHEFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: _____

Name of Authorized Agent Brian EE Signature _____

Approval Code: HFR053-22

Receipt Date 012723

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8146
Date: 01/27/2023 9:48 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 40 - MENDEZ 40 (AW526V - NJ)
Manifest: 1206

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.33 tn	92,060	27,400	64,660





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8146
1206

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd St Suit 15B

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site

Address 39-26 30th st
long island city, NY 11101
NYSDEC site NO. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP2(0-1.0)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date 01/27/23

TRANSPORTER

Truck No. 40

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) X ADRIAN.

Vehicle License No./State AW526V

I hereby certify that the above named material was picked up at the generator site listed above.

X
Driver Signature

Shipment Date 01/27/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Name of Authorized Agent Brian EE

Signature

Approval Code: HFR053-22

Receipt Date 01/27/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8147
Date: 01/27/2023 9:53 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 700 - AS520B - NJ
Manifest: 1202

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.7 tn	94,000	26,600	67,400





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8147
1202

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st 15B
New York, NY 10010

Generating Location Bridge cleaner site
39-26 30th St
Address long Island city, NY 11101
NYSDEC site No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP 2 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date: 01/27/23

TRANSPORTER

Truck No. 700
Transporter Name Mendez
Address

Phone No.
Driver Name (Print) Nelson C
Vehicle License No./State AS520B

I hereby certify that the above named material was picked up at the generator site listed above.

Nelson C | Shipment Date: 01/27/23

Driver Signature

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-22

Name of Authorized Agent | Signature | Receipt Date: 01/27/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8150
Date: 01/27/2023 10:14 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 70 - AW582M
Manifest: 1203

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.2 tn	92,940	28,540	64,400





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8150
1203

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd St Suit 15B
New York, NY 10010

Generating Location Bridge cleaner site 39-26 30th
Address long Island City NY 11101
NYSDEC Site No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: comp 2(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 01 27 23

TRANSPORTER

Truck No. 70
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) x Angel Garcia
Vehicle License No./State AW582M

I hereby certify that the above named material was picked up at the generator site listed above.

x _____ Driver Signature 01 27 23 Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Brian EE _____ Name of Authorized Agent _____ Signature

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

01 27 23 Receipt Date

White - Destination Green - Destination Yellow - Transporter Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8152
Date: 01/27/2023 10:54 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 28 - MENDEZ 28 (AU550Z-NJ)
Manifest: 1204

Remarks: Thank you, Drive Safely !!!!

Signature: Saine V.

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.43 tn	95,980	29,120	66,860





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8152

1204

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 East 22nd St suit 15B
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaners site
39-26 30th

Address long Island city, NY 11101

NYSDec site NO. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp 2(0-6)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date 01 27 23

TRANSPORTER

Truck No. 28

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) X Jaime Velepucha

Vehicle License No./State AW550Z

I hereby certify that the above named material was picked up at the generator site listed above.

X

Driver Signature

Shipment Date 01 27 23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Name of Authorized Agent Brian EE

Signature

Approval Code: HFR053-22

Receipt Date 01 27 23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 8153
Date: 01/27/2023 10:57 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 400 - MENDEZ 400 (AS757P - NJ)
Manifest: 1205

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.91 tn	95,820	28,000	67,820





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8153

1205

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd St Suit 15B
New York, NY 10010

Generating Location Bridge cleaners site
39-26 38th st

Address long Island city, NY 11101

NYSDec site NO. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP2(0)D

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 01/27/23

TRANSPORTER

Truck No. 400

Phone No. _____

Transporter Name Mendez

Driver Name (Print) + JAVIER ZONOO

Address Belleville NJ

Vehicle License No./State AS757D

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature _____ Shipment Date 01/27/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Brian EE

Name of Authorized Agent _____ Signature _____

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

Receipt Date 01/27/23

White - Destination Green - Destination Yellow - Transporter Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8157
Date: 01/30/2023 9:41 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 90 - AW834L - NJ
Manifest: 1224

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.71 tn	95,020	27,600	67,420





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8157
1224

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15B
NY, New York 10010

Generating Location Bridge cleaner site
39-26th 30th

Address long island city, NY 11101
NYSDEC Site NO. 24127

Phone No. ___-_____

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: comp 2(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date: 01/30/23

TRANSPORTER

Truck No. 90

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) Wilson Pallarosso

Vehicle License No./State AW834L

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date: 01/30/23

DESTINATION (Please Select One)

EARTHEFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTHEFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-22

Name of Authorized Agent | Signature | Receipt Date: 01/30/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8162
Date: 01/30/2023 10:03 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 99 - MENDEZ 99 (AW549H-NJ)
Manifest: 1225

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	37.08 tn	102,160	28,000	74,160





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8162
1225

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22ST Suit 15B
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site

Address 39-26 30TH long Island city, NY 11101
NYSDEC Site NO. 24127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP2(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date: 01/30/23

TRANSPORTER

Truck No. 99

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) X Alex Salgado

Vehicle License No./State AW549H

I hereby certify that the above named material was picked up at the generator site listed above.

X
Driver Signature | Shipment Date: 01/30/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Name of Authorized Agent | Signature

Approval Code: HFR053-22

Receipt Date: 01/30/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTH EFFICIENT HARMONY Foul Rift

Ticket #: 8168
Date: 01/30/2023 10:28 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 70 - AW582M
Manifest: 1230

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.6 tn	95,740	28,540	67,200





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8168
1230

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 property LLC
Address 45 east 22nd st suit 15B
New York, NY 10010

Generating Location Bridge Cleaners site
Address 39-26 30th long Island city, NY 11101
NYSDec Site No. 241127

Phone No. ___-_____

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp2 to 6

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name | Signature | Shipment Date: 01/30/23

TRANSPORTER

Truck No. 70
Transporter Name Mendez
Address

Phone No.
Driver Name (Print) Angel Colon
Vehicle License No./State AW582M

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature | Shipment Date: 01/30/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-22

Name of Authorized Agent | Signature | Receipt Date: 01/30/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8170
Date: 01/30/2023 10:33 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 28 - MENDEZ 28 (AU550Z-NJ)
Manifest: 1231

Remarks: Thank you, Drive Safely !!!!

Signature: Jaime V.

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	34.27 tn	97,660	29,120	68,540





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8170

1231

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st suit 15B NY, New York 10010

Phone No. ___-_____

Generating Location Bridge cleaner site 39-26 30th

Address long Island city NY, 11101 NYSDec site NO. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: comp2 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name _____ Signature _____ Shipment Date 01/30/23

TRANSPORTER

Truck No. 28

Transporter Name Mendez

Address _____

Phone No. _____

Driver Name (Print) x Jaime Velepucha

Vehicle License No./State AU5502

I hereby certify that the above named material was picked up at the generator site listed above.

x _____ Driver Signature 01/30/23 Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Brian EE _____ Name of Authorized Agent _____ Signature

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

01/30/23 Receipt Date

White - Destination Green - Destination Yellow - Transporter Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 8174
Date: 01/30/2023 10:45 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 400 - MENDEZ 400 (AS757P - NJ)
Manifest: 1232

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: BF - Brian Fennell #32453

Material	Quantity	Gross	Tare	Net
NJ RES FILL	34.11 tn	96,220	28,000	68,220





EARTH EFFICIENT HARMONY

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8174
1232

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd St Suit 15B
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site
39-26 Bottom

Address long island city NY, 11101
NYSDEC Site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP 2(0-1.0)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name

Signature

Shipment Date 01/30/23

TRANSPORTER

Truck No. 400

Transporter Name Mendez

Address Belleville NJ

Phone No.

Driver Name (Print) X JAIRO ZORRO

Vehicle License No./State AS757P

I hereby certify that the above named material was picked up at the generator site listed above.

X

Driver Signature

Shipment Date 01/30/23

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Name of Authorized Agent

Signature

Approval Code: HFR053-22

Receipt Date 01/30/23

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8407
Date: 02/07/2023 9:49 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 400 - MENDEZ 400 (AS757P - NJ)
Manifest: 1028

Remarks: Thank you, Drive Safely !!!!

Signature: Darwin Garrido

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	28.56 tn	85,120	28,000	57,120





EARTH EFFICIENT HARMONY

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o: (631) 209-4245 | f: (631) 206-9160

8407

01028

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd St Suit 15B
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge Cleaners Site

Address 39-26 30th St LIC NY
11101 NYSDEC Superfund
Site #241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp-2 (0-10')

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Heeze Ee (Adhcm) | [signature] | 07/20/23

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Truck No. 400

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) Darwin Garrido

Vehicle License No./State AS757P

I hereby certify that the above named material was picked up at the generator site listed above.

[signature] | 07/20/23

Driver Signature | Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

Frank [illegible] | [signature] | 07/20/23

Name of Authorized Agent | Signature | Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8411
Date: 02/07/2023 10:07 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 90 - AW834L - NJ
Manifest: 1030

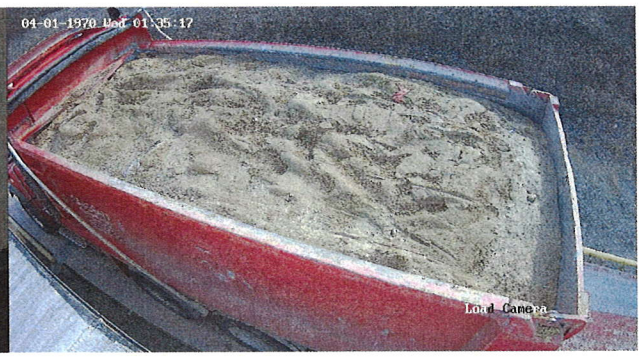
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	29.12 tn	85,840	27,600	58,240





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8411

01030

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Prop LLC

Address 45 East 22nd St Suite 15B
NY, NY 11010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge Cleaners Site

Address 39-26 30th St LIC, NY
11101 NYSDEC Superfund
Site #C241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp 2 (0-1')

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Haoze Yu (Asher) _____ 6/20/23

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 90

Transporter Name Miller

Address _____

Phone No. _____

Driver Name (Print) Gro Calle

Vehicle License No./State AHJ341L

I hereby certify that the above named material was picked up at the generator site listed above.

_____ 6/20/23

Driver Signature Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Name of Authorized Agent Signature Receipt Date

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: MFR053-22

Frank DE _____ 6/20/23

Name of Authorized Agent Signature Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8412
Date: 02/07/2023 10:17 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 22 - Mendez Trucking (AW611B)
Manifest: 1029

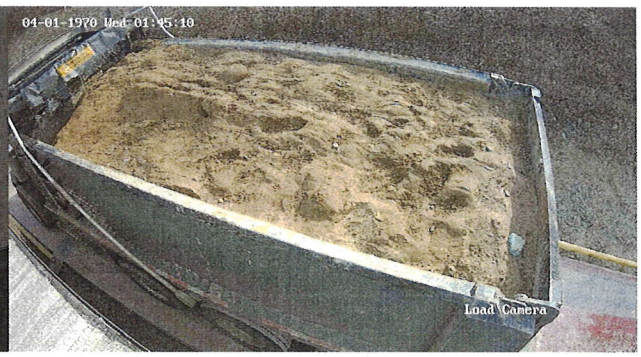
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	29.94 tn	86,600	26,720	59,880





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8412
01029

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Prop LLC
Address 45 East 22nd St Suit 15B
NY, NY 10010
Phone No. 917-582-1505

Generating Location Bridge Cleaners Site
Address 39-26 30th St LIC NY
1191 NYSDEC Superfund
Site #C241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp2 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Hussein Asher — Asher — 07/20/23

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Truck No. 22
Transporter Name Mender
Address

Phone No.
Driver Name (Print) Wilson Soscal
Vehicle License No./State AWG113

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature — 07/20/23

Driver Signature | Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: H1R053-22

Frank LS — 07/20/23

Name of Authorized Agent | Signature | Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8413
Date: 02/07/2023 10:27 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 58 - Mendez Trucking 58 (AU937Z-NJ)
Manifest: 1031

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	30.09 tn	89,580	29,400	60,180





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8413

01031

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Prop LLC

Address 45 East 22nd St Suit 15B NY, NY 10010

Generating Location Bridge Cleaners Site

Address 39-26 30th St LIC, NY 11101 NJSDEC Superfund Site # 29 1127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp 2 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Hauze Ln (Asher) _____ 02 07 23

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Truck No. 58

Transporter Name Mender

Address _____

Phone No. _____

Driver Name (Print) Luis

Vehicle License No./State AU937Z

I hereby certify that the above named material was picked up at the generator site listed above.

_____ 02 07 23

Driver Signature | Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: _____

Approval Code: HTR053-22

Frankie _____ _____ 02 07 23

Name of Authorized Agent | Signature | Receipt Date

White - Destination | Yellow - Destination | Pink - Transporter | Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 8414
Date: 02/07/2023 10:29 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 99 - MENDEZ 99 (AW549H-NJ)
Manifest: 1032

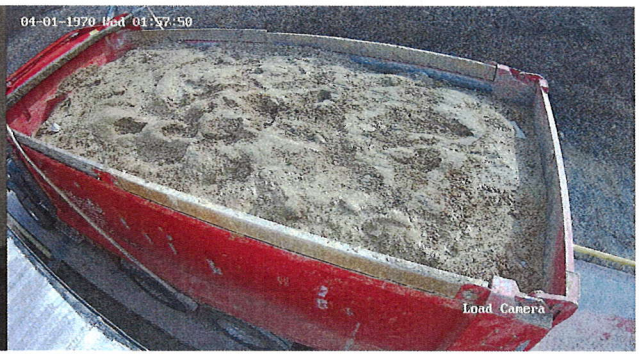
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.16 tn	90,320	28,000	62,320





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8414
01032

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Prop LLC

Address 45 E 22nd St Suit 153
New York, NY 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge Cleaners Site

Address 39-26 30th St LIC NY
11101 NYSDEC Superfund
Site #224127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp 2(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Maoze Lie (Asher) — Generator Authorized Agent Name

Signature

0 | 2 | 0 | 7 | 2 | 3 — Shipment Date

TRANSPORTER

Truck No. 99

Transporter Name Mender

Address

Phone No.

Driver Name (Print) Alex Salgado

Vehicle License No./State AW 549H

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

0 | 2 | 0 | 7 | 2 | 3 — Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Name of Authorized Agent

Signature

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-24

Receipt Date 0 | 2 | 0 | 7 | 2 | 3

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 8415
Date: 02/07/2023 10:45 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 84 - MENDEZ 84 (AW654G-NJ)
Manifest: 1033

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.35 tn	89,300	26,600	62,700





EARTH EFFICIENT HARMONY

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8415

01033

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Prop LLC

Address 45 E 22nd St Suit 1B

NY, NY 10010

Phone No. ___-_____

Generating Location Bridge Cleaners Site

Address 39-26 34th St LIC NY

11101 NYSDEC Superfund

Site #241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: Comp2(0-10')

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Hawe Yu (Asher) _____ 02 07 23

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Truck No. 84

Transporter Name Mendez

Address _____

Phone No. _____

Driver Name (Print) Victor

Vehicle License No./State AW G54G

I hereby certify that the above named material was picked up at the generator site listed above.

_____ 02 07 23

Driver Signature | Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code: _____

Frank DE _____ 02 07 23

Name of Authorized Agent | Signature | Receipt Date

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTH EFFICIENT HARMONY Foul Rift

Ticket #: 9127
Date: 03/01/2023 10:06 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B

New York , NY 10010

MENDEZ 36 - MENDEZ TRUCKING 36 (AW837F-NJ)
Manifest: 266

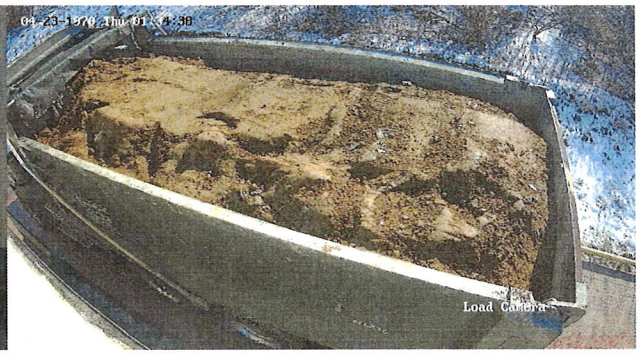
Remarks: Thank you, Drive Safely !!!!

Signature: Jimmy C

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.81 tn	93,600	27,980	65,620





EARTHEFFICIENT HARMONY

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9/27

00266

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC Generating Location Bridge cleaner site

Address 45 east 22nd st Suit 15B NY, New York 10010 Address 39-26 30th long Island City, NY 11101, NYS Dec Site No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

SAMPLE / CELL ID: COMP-1(0-10) COMP-2(0-10) COMP-3(0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Hasse (Asher) Signature 03/01/23

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 36 Phone No.

Transporter Name Mendez Driver Name (Print) Jimmy C

Address Vehicle License No./State AW837F

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 03/01/23

Shipment Date

DESTINATION (Please Select One)

EARTHEFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Frank GS Signature 03/01/23

Name of Authorized Agent Receipt Date

EARTHEFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: #FR053-22

White - Destination Green - Destination Yellow - Transporter Pink - Generator Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTH EFFICIENT HARMONY Foul Rift

Ticket #: 9130
Date: 03/01/2023 10:14 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator: 39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 64 - AX957X - NJ
Manifest: 268

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.03 tn	93,460	27,400	66,060





EARTH EFFICIENT HARMONY

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9130

00268

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st Suit 15D NY, New York 10010

Generating Location Bridge cleaner Site

Address 39-26 30th long Island city NY 11101, NYSDEC site No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP-1 (0-10) COMP-2 (0-10) COMP-3 (0-10)

SAMPLE / CELL ID:

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Haoze Yu (Asher) — Generator Authorized Agent Name

Signature

03/01/23 — Shipment Date

TRANSPORTER

Truck No. 64

Transporter Name Mendez

Address

Phone No.

Driver Name (Print) x Juhadrew

Vehicle License No./State AX957X

I hereby certify that the above named material was picked up at the generator site listed above.

x

Driver Signature

03/01/23 — Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Frank OS

Name of Authorized Agent

Signature

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

03/01/23 — Receipt Date

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 9139
Date: 03/01/2023 10:40 AM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

MENDEZ 30 - AW525V - NJ
Manifest: 267

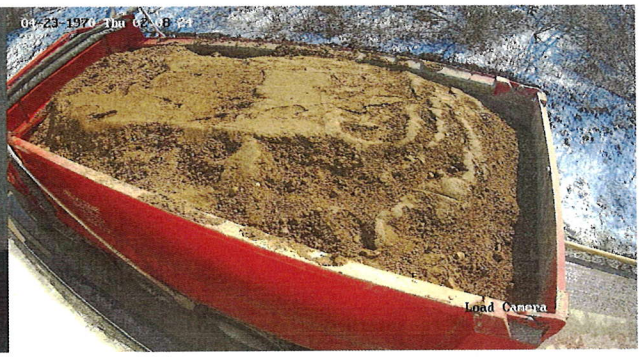
Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.1 tn	94,200	28,000	66,200





EARTH EFFICIENT HARMONY

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o: (631) 209-4245 | f: (631) 206-9160

9139
00267

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st Suit 15B NY, New York 10010

Generating Location Bridge cleanout site
Address 39-26 30th long Island city NY 11101, NYSDEC site NO. 241127

Phone No. ☐☐☐-☐☐☐☐☐☐☐

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards
SAMPLE / CELL ID: COMP-1 (0-10) COMP-2 (0-10) COMP-3 (0-10)

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Hoeze Lu (Agent) — Generator Authorized Agent Name
Signature
03/01/23 — Shipment Date

TRANSPORTER

Truck No. 30
Transporter Name Mendez
Address

Phone No.
Driver Name (Print) Antonio Sanay
Vehicle License No./State AW525V

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature
03/01/23 — Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Frank Lee — Name of Authorized Agent
Signature

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

03/01/23 — Receipt Date

White - Destination | Green - Destination | Yellow - Transporter | Pink - Generator | Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

Ticket #: 9197
Date: 03/01/2023 4:50 PM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

SENI TRUCKING 1 - SENI TRUCKING 1 (AX762U - NJ)
Manifest: 272

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	29.49 tn	85,480	26,500	58,980





EARTH EFFICIENT HARMONY

www.earthefficient.com | portal.earthefficient.com
o: (631) 209-4245 | f: (631) 206-9160

9197
00272

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st suit 15B
NY, New York 10010

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site

Address 39-26 30th long Island city
NY 11101 NYSDec site
No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards comp-1(0-10) comp-2(0-10) comp-3(0-10)

SAMPLE / CELL ID:

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kaoze Li (Asher) — Generator Authorized Agent Name

Signature

03/01/23 — Shipment Date

TRANSPORTER

Truck No. 01

Transporter Name Seni

Address

Phone No.

Driver Name (Print) Anthony

Vehicle License No./State AX 762 U

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

03/01/23 — Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code:

Approval Code: HFR053-21

Frank CE — Name of Authorized Agent

Signature

03/01/23 — Receipt Date

White - Destination Green - Destination Yellow - Transporter Pink - Generator Goldenrod - Consultant

EarthEfficient Harmony Foul Rift
1 Foul Rift Road
Belvidere NJ, 07823

EARTHEFFICIENT HARMONY Foul Rift

Ticket #: 9198
Date: 03/01/2023 4:53 PM
Phone: (516) 788-0082

Customer: HFR053-22
Bridge Cleaners Site
39-26 30th St
Long Island City NY, 11101

Generator:39-26 Property LLC
45 East 22nd St, Suite 15B
New York , NY 10010

SENI TRUCKING 3 - SENI TRUCKING 3 (AY810G - NJ)
Manifest: 271

Remarks: Thank you, Drive Safely !!!!

Signature:

Weighmaster: FP - Frank Pierce # 32452

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.87 tn	94,240	26,500	67,740



EARTH EFFICIENT HARMONY

www.earthefficient.com | portal.earthefficient.com
o: (631) 209-4245 | f: (631) 206-9160

9198
00271

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd St Suit 15B NY. New York 10010

Generating Location Bridge cleaner site
Address 39-26 30th long Island city NY 11101 NYSDec site No. 241127

Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP-1(0-10) COMP-2(0-10) COMP-3(0-10)

SAMPLE / CELL ID:

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Howze Tu (Asher) — Signature — 03/01/23

Generator Authorized Agent Name — Shipment Date

TRANSPORTER

Truck No. 3
Transporter Name Seni
Address

Phone No.
Driver Name (Print) x Paul
Vehicle License No./State AY810G

I hereby certify that the above named material was picked up at the generator site listed above.

x Paul — 03/01/23

Driver Signature — Shipment Date

DESTINATION (Please Select One)

EARTH EFFICIENT HARMONY Belvidere Rd ☐

3189 Belvidere Road. Phillipsburg, New Jersey 08865
SESC # 20039 | Mine Reg. # 0048845

Approval Code:

Frank — Signature — 03/01/23

Name of Authorized Agent — Receipt Date

EARTH EFFICIENT HARMONY Foul Rift ☑

1 Foul Rift Road, Belvidere, New Jersey 07823
SESC # 13035-16055-20012 | Mine Reg. # 0048846

Approval Code: HFR053-22

White - Destination Green - Destination Yellow - Transporter Pink - Generator Goldenrod - Consultant

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

Ticket #: 5717
Date: 03/01/2023 11:33 AM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 22 - Mendez Trucking (AW611B)
Manifest: 46175

Remarks: Thank you, Drive Safely !!!!

Signature: MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	33.45 tn	93,620	26,720	66,900

XRDS

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#5717

#46175

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st Suit 15B
NY, New York 10010
Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Generating Location Bridge cleaner site
Address 39-26 30th long Island city
NY 11101 NYSDEC Site
No 24127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards
comp-1(0-10)
comp-2(0-10)
comp-3(0-10)

Approval Code: XRDS 039-22 CELL

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Howard Lu (Asher) — Generator Authorized Agent Name
Signature
03/01/23 — Shipment Date

TRANSPORTER

Truck No. 22
Transporter Name Mendez
Address

Phone No.
Driver Name (Print) Carlos Canchipulla
Vehicle License No./State AWG11B

I hereby certify that the above named material was picked up at the generator site listed above.

Carlos — Driver Signature
03/01/23 — Shipment Date

DESTINATION

Site Name XRDS
Phone No. [ ][ ][ ]-[ ][ ][ ][ ][ ][ ][ ]

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT H — Name of Authorized Agent
MH — Signature
03/01/23 — Receipt Date

White - Destination | Yellow - Destination | Pink - Transporter | Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

Ticket #: 5718
Date: 03/01/2023 11:37 AM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 300 - MENDEZ 300 (AS530D - NJ)
Manifest: 46217

Remarks: Thank you, Drive Safely !!!!

Signature:

MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.35 tn	90,700	28,000	62,700

XRDS

#5718

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46217

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st Suit 15B
NY, New York 10010
Phone No. ___-_____

Generating Location Bridge cleaner site
Address 39-26 30th long Island city
NY 11101 NYSDEC site
NO-241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP-1(0-10) COMP-2(0-10) COMP-3(0-10)

Approval Code: XRDS039-22 CELL _____

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Kevin Lu (Agent) _____ 03/01/23

Generator Authorized Agent Name | Signature | Shipment Date

TRANSPORTER

Truck No. 300
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) LEONELO SALAS
Vehicle License No./State AS530D

I hereby certify that the above named material was picked up at the generator site listed above.

_____ 03/01/23

Driver Signature | Shipment Date

DESTINATION

Site Name XRDS
Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MAST H _____ 03/01/23

Name of Authorized Agent | Signature | Receipt Date

White - Destination | Yellow - Destination | Pink - Transporter | Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

XRDS

Ticket #: 5719
Date: 03/01/2023 11:53 AM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 600 - MENDEZ 600 (AS521B - NJ)
Manifest: 46176

Remarks: Thank you, Drive Safely !!!!

Signature: MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	31.39 tn	89,780	27,000	62,780

XRDS

#5719

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46176

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st suit 15B
NY, New York 10010
Phone No. ___-_____

Generating Location Bridge cleaner Site
Address 39-26 30th long Island city
NY 11101 NYSDec Site
No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards
COMP-1 (0-10)
COMP-2 (0-10)
COMP-3 (0-10)

Approval Code: XRDS039-22 CELL _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name (Asher) Signature 03/01/23 Shipment Date

TRANSPORTER

Truck No. 60
Transporter Name Men
Address _____

Phone No. _____
Driver Name (Print) Kevin Jimenez
Vehicle License No./State AS527B

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature 03/01/23 Shipment Date

DESTINATION

Site Name XRDS Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent MATT H Signature MH 03/01/23 Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

Ticket #: 5720
Date: 03/01/2023 11:59 AM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 700 - MENDEZ 700 (AS520B-NJ)
Manifest: 46177

Remarks: Thank you, Drive Safely !!!!

Signature: MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	28.43 tn	83,460	26,600	56,860

#5720

XRDS

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46177

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st suit 15B NY, New York 10010
Phone No. ___-_____

Generating Location Bridge cleaner site
Address 39-26 30th long Island city NY 11101 NYSDEC site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP-1(0-10) COMP-2(0-10) COMP-3(0-10)

Approval Code: XRDS039-22 CELL _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Howie Lu (Asher) — Generator Authorized Agent Name
Signature
03/01/23 — Shipment Date

TRANSPORTER

Truck No. 700
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) NELSON C
Vehicle License No./State AS52 OB

I hereby certify that the above named material was picked up at the generator site listed above.

NELSON C — Driver Signature
03/01/23 — Shipment Date

DESTINATION

Site Name XRDS
Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT H — Name of Authorized Agent
MH — Signature
03/01/23 — Receipt Date

White - Destination | Yellow - Destination | Pink - Transporter | Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

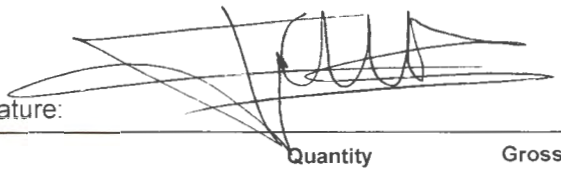
Ticket #: 5721
Date: 03/01/2023 12:22 PM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 40 - MENDEZ 40 (AW526V - NJ)
Manifest: 46178

Remarks: Thank you, Drive Safely !!!!

Signature: 

MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	30.6 tn	88,700	27,500	61,200

XRDS

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#5724

#46178

GENERATOR

Generator Name 39-26 Property LLC

Address 45 east 22nd st suit 15B NY. New York 10010

Phone No. ___-_____

Generating Location Bridge cleaner site

Address 39-26 30th long Island city NY 11101 NYSDec Site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards

COMP-1 (0-10)
COMP-2 (0-10)
COMP-3 (0-10)

Approval Code: XRDS039-22 CELL _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kaoru Ii (Asher) — Generator Authorized Agent Name

Signature

030123 — Shipment Date

TRANSPORTER

Truck No. 40

Transporter Name Mendez

Address _____

Phone No. _____

Driver Name (Print) ADRIAN P.

Vehicle License No./State AW526V

I hereby certify that the above named material was picked up at the generator site listed above.

Driver Signature

030123 — Shipment Date

DESTINATION

Site Name XRDS

Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT H — Name of Authorized Agent

Signature

030123 — Receipt Date

White - Destination | Yellow - Destination | Pink - Transporter | Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

Ticket #: 5722
Date: 03/01/2023 12:47 PM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

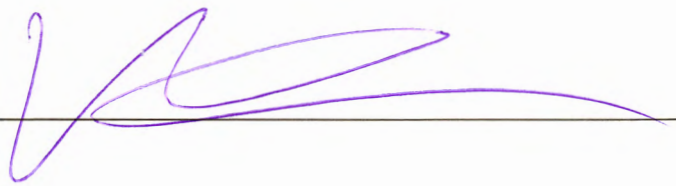
Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 500 - AS531D - NJ
Manifest: 46179

Remarks: Thank you, Drive Safely !!!!

Signature: MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	29.99 tn	87,480	27,500	59,980



XRDS

#5722

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46179

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st 15B suit NY. NewYork 10010
Phone No. ___-_____

Generating Location Bridge cleaner site
Address 39-26 30th long Island city NY, 11101 NYSDEC Site NO. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP-1 (0-10) COMP-2 (0-10) COMP-3 (0-10)

Approval Code: XRDS 039-22 CELL _____

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Steve Lu (Agent) _____ 03/01/23
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 500
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) x Wilson
Vehicle License No./State AS531D

I hereby certify that the above named material was picked up at the generator site listed above.

x _____ 03/01/23
Driver Signature Shipment Date

DESTINATION

Site Name XRDS
Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT H _____ 03/01/23
Name of Authorized Agent Signature Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

XRDS

Ticket #: 5723
Date: 03/01/2023 1:11 PM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

MENDEZ 800 - Mendez 800 (AT558B - NJ)
Manifest: 46218

Remarks: Thank you, Drive Safely !!!!

Signature: Diego Narvaez

MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.33 tn	92,160	27,500	64,660

XRDS

#5723

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46218

GENERATOR

Generator Name 39-26 Property LLC
Address 45 east 22nd st suit 15B NY New York 10010
Phone No. ___-_____

Generating Location Bridge cleaner site
Address 39-26 30th long Island city NY 11101 NYS Dec site No. 241127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards comp.1 (0-10) comp.2 (0-10) comp.3 (0-10)

Approval Code: XRDS039-22 CELL _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Kaoze Lu (Asher) _____ 030123
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 800
Transporter Name Mendez
Address _____

Phone No. _____
Driver Name (Print) Diego Nava
Vehicle License No./State AT55B

I hereby certify that the above named material was picked up at the generator site listed above.

Diego Nava 030123
Driver Signature Shipment Date

DESTINATION

Site Name XRDS Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT H MH 030123
Name of Authorized Agent Signature Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

XRDS Recycling
190 Pompton Plains Cross Rd
Wayne NJ, 07470

XRDS

Ticket #: 5732
Date: 03/02/2023 9:09 AM
Phone: (973) 520-8215

Customer: XRDS039-22
Bridge Cleaner Site
39-26 30th St
Long Island City New York, 11101

Generator: NJ RES
39-26 Property LLC
45 East 22nd St
Suite 15B
New York , New York 10010

CF BROS 13 - CF Bros Transport 13 (AT995T-NJ)
Manifest: 46400

Remarks: Thank you, Drive Safely !!!!

Signature: MH - Matthew Hafler (32455)

Material	Quantity	Gross	Tare	Net
NJ RES FILL	32.3 tn	92,600	28,000	64,600

XRDS

5732

190 Pompton Plains Crossroads, Wayne, NJ 07470
SESC #: 220-P-5011 NJPDES Permit #: NJG0309753

NON-HAZARDOUS MATERIAL MANIFEST

#46400

GENERATOR

Generator Name 32-26 PROPERTY LLC Generating Location BRIDGECLEANOUTSITE

Address 45 E 22nd St STE 15B Address 39-26 30th ST

NY NY 10010 LIC NY 11101

Phone No. ___-_____ NYS DEC NO: 271127

Description of Material

N.J.A.C. 7:26D Residential Soil Remediation Standards COMP 1 COMP 2 (0-10') COMP 3

Approval Code: XRDS039-22 CELL _____

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

HAZELL CASTRO _____ 03/02/23

Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Truck No. 13 Phone No. _____

Transporter Name CF BROS Driver Name (Print) [illegible]

Address _____ Vehicle License No./State AT 995T

I hereby certify that the above named material was picked up at the generator site listed above.

_____ 03/02/23

Driver Signature Shipment Date

DESTINATION

Site Name XRDS Phone No. ___-_____

Address 190 POMPTON PLAINS CROSSROADS, WAYNE, NJ 07470

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

MATT _____ 030223

Name of Authorized Agent Signature Receipt Date

White - Destination Yellow - Destination Pink - Transporter Goldenrod - Generator

Appendix I

Material Import Documentation

241127 - Bridge Cleaners - Stone Import Request Approved

Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>

Tue 1/3/2023 5:00 PM

To: Nick Krasnecky <nkrasnecky@envecc.com>

Cc: Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>

Hi Nick -

Approved:

The Department has reviewed the request dated 12/12/2022 to import 200 CY of 3 / 4 inch stone fill material from Tilcon NY, West Nyack NY. Based on the information provided, the request is hereby approved.

The proposed fill material meets the requirements for material other than soil (i.e., gravel, rock, stone, recycled concrete or recycled brick) as specified in section 5.4(e)5 of DER-10. Therefore, this material may be placed below the demarcation barrier or above the demarcation layer as part of final site cover.

In future, please print this form to a .pdf before sending. Thanks.

Ruth Curley
Professional Engineer 1 (Environmental)
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor Albany, NY 12233-7016
P: 518-402-9480 | F: 518-402-9773 | ruth.curley@dec.ny.gov
www.dec.ny.gov |



Stone Import Log
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Date	Ticket #	Truck #	Plant	Weight (tons)
1/19/2023	20953317	38075MJ	West Nyack Quarry	20.44
1/20/2023	20953451	38075MJ	West Nyack Quarry	21.66
1/27/2023	20954000	66565MJ	West Nyack Quarry	20.38
2/9/2023	20955228	38075MJ	West Nyack Quarry	19.99
			Total	**82.47**

TILCON
A CRH COMPANY

TILCON NEW YORK INC.
A CRH COMPANY

9 Entin Rd.
Parsippany, NJ 07054

New York And New Jersey Orders
(855) 659-1100

Ticket #: 20953317

Ticket #	Date	Time	Dispatch	Plant #	Plant Description	Source	Facility ID
20953317	01/19/2023	08:41		00209	West Nyack Quarry 845-353-04	8-8R	

Sold To:
Cash-West Nyack Stone
Job Description:

Customer #	Order #	Purchase Order
99107		

Zone	Truck #	Hauler
	38075MJ	888888 FOB Vendor

Product #	Product Description	DOT Mix ID	Delivery Method
1015003	NY# 2 (ASTM 5) - 3/4		Pickup
3000002	AGGREGATE PRODUCTION SURCHARGE		

Loads: 1 **Accum Amount:** 20.44 Tons 18.54 Metric Tonnes

GROSS: 78,740 L
TARE: 37,860 L
NET: 40,880 L

TODAYS TOTAL:	691.36
UNIT PRICE:	30.66
SUBTOTAL:	626.69
FREIGHT:	0.00
OTHER:	11.24
TAX:	53.43
TOTAL:	691.36
GRAND TOTAL:	691.36

This Load: 20.44 Tons 18.54 Metric Tonnes
Weighmaster Michael Poulard

TILCON NEW YORK, INC. ISSUES THIS RECEIPT SOLELY FOR THE PURPOSE OF ESTABLISHING WEIGHT.OPERATION OF THIS VEHICLE IN EXCESS OF ALLOWABLE LEGAL PERMITS MAY RESULT IN DELAY OF TH VEHICLE AND/OR ARREST OF ITS OPERATOR. WE ARE NOT RESPONSIBLE FOR DAMAGE WHEN DELIVERY IS ORDERED OFF PUBLIC ROADS ANY DAMAGE WILL BE CHARGED TO THE CUSTOMER

Received By: _____ **Driver Name:** _____ ASCS 1/19/23

TILCON
A CRH COMPANY

TILCON NEW YORK INC.
A CRH COMPANY

9 Entin Rd.
Parsippany, NJ 07054

New York And New Jersey Orders
(855) 659-1100

Ticket #: 20953451

Ticket #	Date	Time	Dispatch	Plant #	Plant Description	Source	Facility ID
20953451	01/20/2023	10:59		00209	West Nyack Quarry 845-353-04	8-8R	

Sold To:
Cash-West Nyack Stone
Job Description:

Customer #	Order #	Purchase Order
99107		

Zone	Truck #	Hauler
	38075MJ	888888 FOB Vendor

Product #	Product Description	DOT Mix ID	Delivery Method
1015003	NY# 2 (ASTM 5) - 3/4		Pickup
3000002	AGGREGATE PRODUCTION SURCHARGE		

Loads: 2 **Accum Amount:** 21.66 Tons 19.65 Metric Tonnes

GROSS: 78,960 L
TARE: 37,760 L
NET: 41,200 L

TODAYS TOTAL:	732.63
UNIT PRICE:	30.66
SUBTOTAL:	631.60
FREIGHT:	0.00
OTHER:	11.33
TAX:	53.85
TOTAL:	696.78
GRAND TOTAL:	696.78

This Load: 20.60 Tons 18.69 Metric Tonnes
Weighmaster Michael Poulard

TILCON NEW YORK, INC. ISSUES THIS RECEIPT SOLELY FOR THE PURPOSE OF ESTABLISHING WEIGHT.OPERATION OF THIS VEHICLE IN EXCESS OF ALLOWABLE LEGAL PERMITS MAY RESULT IN DELAY OF THE VEHICLE AND/OR ARREST OF ITS OPERATOR. WE ARE NOT RESPONSIBLE FOR DAMAGE WHEN DELIVERY IS ORDERED OFF PUBLIC ROADS ANY DAMAGE WILL BE CHARGED TO THE CUSTOMER

Received By: _____ **Driver Name:** _____

TILCON NEW YORK INC.

A CRH COMPANY

9 Entin Rd.
Parsippany, NJ 07054

New York And New Jersey Orders
(855) 659-1100

Ticket #: 20954000

Ticket #	Date	Time	Dispatch	Plant #	Plant Description	Source	Facility ID
20954000	01/27/2023	09:54		00209	West Nyack Quarry 845-353-04	8-8R	

Sold To:
C&D Carting
Job Description:

Customer #	Order #	Purchase Order
99107		

Zone	Truck #	Hauler
	66565MJ	888888 FOB Vendor

Product #	Product Description	DOT Mix ID	Delivery Method
1015003	NY# 2 (ASTM 5) - 3/4		Pickup
3000002	AGGREGATE PRODUCTION SURCHARGE		

Loads: 1 **Accum Amount:** 20.38 Tons 18.49 Metric Tonnes

GROSS: 78,840 L
TARE: 38,080 L
NET: 40,760 L

TODAYS TOTAL:	689.33
UNIT PRICE:	30.66
SUBTOTAL:	624.85
FREIGHT:	0.00
OTHER:	11.21
TAX:	53.27
TOTAL:	689.33
GRAND TOTAL:	689.33

This Load: 20.38 Tons 18.49 Metric Tonnes
Weighmaster Steve C

TILCON NEW YORK, INC. ISSUES THIS RECEIPT SOLELY FOR THE PURPOSE OF ESTABLISHING WEIGHT OPERATION OF THIS VEHICLE IN EXCESS OF ALLOWABLE LEGAL PERMITS MAY RESULT IN DELAY OF THE VEHICLE AND/OR ARREST OF ITS OPERATOR. WE ARE NOT RESPONSIBLE FOR DAMAGE WHEN DELIVERY IS ORDERED OFF PUBLIC ROADS ANY DAMAGE WILL BE CHARGED TO THE CUSTOMER

Received By: _____ **Driver Name:** _____

TILCON NEW YORK INC.
A CRH COMPANY

9 Entin Rd.
Parsippany, NJ 07054

New York And New Jersey Orders
(855) 659-1100

Ticket #: 20955228

Time	Dispatch	Plant #	Plant Description	Source	Facility ID
12:29		00209	West Nyack Quarry 845-353-04	8-8R	

Customer #	Order #	Purchase Order
99107		

Zone	Truck #	Hauler
	38075MJ	888888 FOB Vendor

Product Description	DOT Mix ID	Delivery Metho
- 5/8 TE PRODUCTION SURCHARGE		Pickup

Loads: 3

Accum Amount: 28.71 Tons 26.04 Metric Tonn

GROSS: 78,500 L
TARE: 38,520 L
NET: 39,980 L

TODAYS TOTAL:
UNIT PRICE:
SUBTOTAL:
FREIGHT:
OTHER:
TAX:
TOTAL:
GRAND TOTAL:

This Load: 19.99 Tons 18.13 Metric Tonnes

Weighmaster Michael Poulard

TILCON NEW YORK, INC. ISSUES THIS RECEIPT SOLELY FOR THE PURPOSE OF ESTABLISHING WEIGHT.OPERATION OF THIS VEHICLE IN EXCESS OF ALLOWABLE LEGAL PERMITS MAY RESULT VEHICLE AND/OR ARREST OF ITS OPERATOR. WE ARE NOT RESPONSIBLE FOR DAMAGE WHEN DAMAGE WILL BE CHARGED TO THE CUSTOMER

Appendix J

Onsite Soil Reuse Documentation

RE: 241127 - Bridge Cleaners - Redevelopment Excavation - Soil Reuse Approval

Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>

Fri 2/24/2023 3:01 PM

To: Nick Krasnecky <nkrasnecky@envecc.com>

Cc: 'alnesheiwat@sustainable-development-inc.com' <alnesheiwat@sustainable-development-inc.com>;O'Neil, Eamonn M (HEALTH) <Eamonn.ONeil@health.ny.gov>;MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>;Sli@jlsgrp.com <Sli@jlsgrp.com>;Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>

Nick –

The Department has reviewed the request dated 2/21/2023 to reuse 500-800 CY of soil at the 241127 Bridge Cleaners Site, 39-26 30th Street. Based on the information provided, the request is hereby approved.

The proposed fill material meets the unrestricted and groundwater protection soil cleanup objectives (SCOs) (Appendix 5 of DER-10), with the exception of lead in two samples. The unrestricted SCO for lead is 63 ppm; the two exceedances are 66 and 99 ppm. These values are below the Restricted Residential Soil Cleanup Objective (400 ppm) for lead. Therefore, this material may be placed above the demarcation layer as part of final site cover.

It is noted that the soil will be placed above a 2 foot thick concrete matte foundation slab, installed as part of redevelopment at a depth of approximately 4 feet below grade. The soil layer will become part of the site cover system, along with the final floor slab (approximately 6” thick) will be installed above the soil, representing a two foot thick site cover system

Ruth Curley
Professional Engineer 1 (Environmental)
Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor Albany, NY 12233-7016
P: 518-402-9480 | F: 518-402-9773 | ruth.curley@dec.ny.gov
www.dec.ny.gov | | |

NEW YORK STATE | Department of Environmental Conservation

From: Nick Krasnecky <nkrasnecky@envecc.com>
Sent: Tuesday, February 21, 2023 3:37 PM
To: Curley, Ruth E (DEC) <ruth.curley@dec.ny.gov>
Cc: 'alnesheiwat@sustainable-development-inc.com' <alnesheiwat@sustainable-development-inc.com>; O'Neil, Eamonn M (HEALTH) <Eamonn.ONeil@health.ny.gov>; MacNeal, Douglas (DEC) <douglas.macneal@dec.ny.gov>; Sli@jlsgrp.com
Subject: RE: 241127 - Bridge Cleaners - Redevelopment Excavation Update and Requests Documentation - #2

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Hi Ruth,

As mentioned in my prior email, please see the attached updated Soil Reuse Request with the 2 composite samples collected and analyzed for PFAS via EPA Method 1633. The PFAS lab report is provided as the last enclosed item. The tables were not updated at this time to include PFAS as the laboratory database is slow to update and we need to start the 5-day review time-table on this request.

There was only 1 detection of a PFAS compound: Sample SC-6 contained PFOS at a concentration of 0.24 ug/kg (0.24 ppb). This concentration is below the Guidance Value for Restricted Residential Use of 44 ppb, presented in the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), November 2022.

Please let me know if you have any questions or need additional information pertaining to this request.

Thank you,
Nick

Nicholas Krasnecky, P.E.
Environmental Engineering Compliance Control, D.P.C.
(201)-552-0224
nkrasnecky@envecc.com

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is: Restricted Residential Use

Have Ecological Resources been identified? no

Is this soil originating from the site? yes

How many cubic yards of soil will be imported/reused? 500-800

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone? no

Does it contain less than 10%, by weight, material that would pass a size 10 sieve? Choose an item

Does it contain less than 10%, by weight, material that would pass a size 100 sieve? Choose an item

Is this virgin material from a permitted mine or quarry? Choose an item

Is this material recycled concrete or brick from a DEC registered processing facility? Choose an item

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

March 2022 - Limited Soil Investigation Sampling
17 discrete samples were collected and analyzed for VOCs.
3 Composite samples were collected and analyzed for SVOCs, Inorganics, & PCBs
While only 525 cubic yards of soil is proposed to be reused at the site, approximately 1,700 cubic yards of soil is anticipated to be moved and excavated to install the foundation structures. The soil that is not proposed to be reused onsite will be sent offsite to a disposal or beneficial use facility (pending DEC approval). As detailed sequencing for the excavation is unknown and the exact soil that will be utilized for reuse is unknown, enough samples were collected per DER-10 - Table 5.4(e)10 for the overall soil to be excavated so as to allow the reuse of any portion of this soil.
December 2022 - PFAS Soil Sampling
Two composite PFAS samples (SC-5 and SC-6) were collected from ~525 cubic yards of soil stockpiled to be potentially reused on-site. Each sample consisted of 3-5 grab samples composited, and then an aliquot was collected for PFAS analysis via EPA Method 1633.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.4(e)5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

Data Tables are Attached.

There are NO exceedances of the NYSDEC 375-6 Restricted Residential Soil Cleanup Objectives in any samples. (Restricted Residential is the intended site use upon change of the environmental easement)

Pesticides were not sampled, as prior RI activities did not detect the presence of Pesticides and the material has been located below a building, limiting/preventing exposure to potential pesticides.

Composite PFAS samples (SC-5 and SC-6) were collected per NYSDEC requirement from soil stockpiled on-site for potential re-use. PFAS sample results were all below the Guidance Values for Restricted Residential Use presented in the NYSDEC Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS), November 2022.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

Location where fill was obtained:

Identification of any state or local approvals as a fill source:

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Soil Sampling Plan Figure and Tables
Discrete VOC Sampling Data Table
Composite Sampling Data Table
Discrete VOC Sampling Analytical Report
Composite Sampling Analytical Report
PFAS - Composite Sampling Analytical Report

The information provided on this form is accurate and complete.

Nicholas Krasnecky Digitally signed by Nicholas Krasnecky Date: 2023.02.21 14:55:33 -05'00'

Signature

2/21/23

Date

Nicholas Krasnecky

Print Name

Environmental Engineering Compliance Control, D.P.C.

Firm

Soil Sampling Plan Figure and Tables



SAMPLE ID:	SB-8	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	0-5	8-8.5
PCE	0.012	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-10		
COLLECTION DATE:	4/5/2022		
SAMPLER:	EECC		
DEPTH (ft)	2.5-5	7-7.5	15-15.5
PCE	0.024	0.0008J	0.00092J
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-07		
COLLECTION DATE:	12/30/2014		
SAMPLER:	Integral		
DEPTH (ft)	0-4	0-4 (dup)	15.0-17.5
PCE	4.8	9.6	1.8
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	B-1			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5	9.5-10	14.5-15	19.5-20
PCE	0.0033J	0.0037J	0.0039J	0.153
TCE	ND	ND	ND	0.0092J
1,2-DCE	ND	ND	ND	0.0011J
VC	ND	ND	ND	ND

SAMPLE ID:	SB-06		
COLLECTION DATE:	12/30/2014		
SAMPLER:	Integral		
DEPTH (ft)	11.5-12.0	17.5-18.5	
PCE	6.9	0.087	
TCE	ND	ND	
1,2-DCE	ND	ND	
VC	ND	ND	

SAMPLE ID:	SB-9	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-5	7-7.5
PCE	ND	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-4			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.5-14.0	19.5-20.0
PCE	0.0033J	0.0124	0.0071J	0.0077
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	B-3			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	2.5-3	8.0-8.5	13.0-13.5	17.5-18.0
PCE	0.0086	0.0069	0.0022J	0.0023J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	SB-11	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-4.5	9.5-10
PCE	ND	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-15	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	3-5	12-13
PCE	0.00065J	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-13	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	2-2.5	7-7.5
PCE	0.023	0.00048J
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-2			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	3.0-3.5	8.0-8.5	13.0-13.5	19.5-20.0
PCE	0.208	.0058J	0.0035J	0.0013J
TCE	0.0043J	ND	ND	ND
1,2-DCE	0.00051J	ND	ND	ND
VC	ND	ND	ND	ND

SAMPLE ID:	SB-12		
COLLECTION DATE:	4/5/2022		
SAMPLER:	EECC		
DEPTH (ft)	0-5	7-8	15-15.5
PCE	0.016	0.00077J	ND
TCE	ND	ND	ND
1,2-DCE	ND	ND	ND
VC	ND	ND	ND

SAMPLE ID:	SB-14	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	4-5	6-10
PCE	0.00016	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	SB-16	
COLLECTION DATE:	4/5/2022	
SAMPLER:	EECC	
DEPTH (ft)	3-5	7-7.5
PCE	0.00028	ND
TCE	ND	ND
1,2-DCE	ND	ND
VC	ND	ND

SAMPLE ID:	B-5			
COLLECTION DATE:	1/13/2014			
SAMPLER:	TechSolutions			
DEPTH (ft)	4.5-5.0	9.5-10.1	13.0-13.5	18.5-19.0
PCE	0.0085	0.00092J	0.0012J	0.00095J
TCE	ND	ND	ND	ND
1,2-DCE	ND	ND	ND	ND
VC	ND	ND	ND	ND

0 3 6 12 Feet

THIS SHEET PLOTS FULL SCALE AT 11X17 IN.

LEGEND

- EXTENT OF EXCAVATION / CURRENT BUILDING FOOTPRINT
- CONCRETE COVER
- EXCAVATION AREA TO EXTEND DEEPER THAN 5 FT BELOW GRADE SURFACE
- SB-08 — LSI SOIL SAMPLE LOCATION
- MONITORING WELL AND HISTORIC SOIL SAMPLE LOCATION
- HISTORIC SOIL SAMPLE LOCATION

NOTES:
DCE = Dichloroethene
PCE = Tetrachloroethylene
TCE = Trichloroethylene
VC = Vinyl Chloride
B = Analyte detected in the Trip Blank
J = Estimated value
ND = Non-detect
NS = Not Sampled

ENTIRE SITE TO BE EXCAVATED TO APPROXIMATELY 5 FEET BELOW GRADE SURFACE.

SOURCES:

1. BASEMAP: WELL ELEVATION SURVEY, BRIDGE CLEANERS, 39-26 30th STREET, LONG ISLAND CITY, NEW YORK, DONALD R. STEDGE, P.L.S., OCTOBER 30, 2015.

REV	DATE	DESCRIPTION	APP

e/e/c/c
1 EMERY AVE, UNIT 2
RANDOLPH, NJ 07869

ZHONG CHUANG PROPERTIES LLC

BRIDGE CLEANERS SITE
39-26 30th ST

LONG ISLAND CITY NEW YORK

DRN	DATE
AN	4-29-2022
DES	DATE
NK	4-29-2022
CHK	DATE
NK	4-29-2022
SCALE	PROJECT NO.
AS NOTED	BRIDGE CLEANERS

EXCAVATION PLAN, LSI AND HISTORIC SOIL DATA

FIGURE

3

Table 1 - Characterization Soil Sampling Plan Summary

Bridge Cleaners

39-26 30th Street, Long Island City, NY

NYSDEC Site No. C241127

Soil Boring ID	Total Depth (ft)	Sample ID	Sample Depth (ft bgs)	Analytical Parameters**
Discrete Samples				
SB-08	20	SB-08 (0-5)	0-5	TCL VOCs, Total Solids
		SB-08 (8-8.5)	5-10	TCL VOCs, Total Solids
SB-09	10	SB-09 (4-4.5)	0-5	TCL VOCs, Total Solids
		SB-09 (7-7.5)	5-10	TCL VOCs, Total Solids
SB-10	20	SB-10 (2-2.5)	0-5	TCL VOCs, Total Solids
		SB-10 (7-7.5)	5-10	TCL VOCs, Total Solids
		SB-10 (15-15.5)	15-20	TCL VOCs, Total Solids
SB-11	10	SB-11 (4-4.5)	0-5	TCL VOCs, Total Solids
		SB-11 (9.5-10)	5-10	TCL VOCs, Total Solids
SB-12	20	SB-12 (0-5)	0-5	TCL VOCs, Total Solids
		SB-12 (7-8)	5-10	TCL VOCs, Total Solids
		SB-12 (15-15.5)	15-20	TCL VOCs, Total Solids
SB-13	10	SB-13 (2-2.5)	0-5	TCL VOCs, Total Solids
		SB-13 (7-7.5)	5-10	TCL VOCs, Total Solids
SB-14	20	SB-14 (4-5)	0-5	TCL VOCs, Total Solids
		SB-14 (6-10)	5-10	TCL VOCs, Total Solids
SB-15	20	SB-15 (3-5)	0-5	TCL VOCs, Total Solids
		SB-15 (12-13)	5-10	TCL VOCs, Total Solids
SB-16	10	SB-16 (3-5)	0-5	TCL VOCs, Total Solids
		SB-16 (7-7.5)	5-10	TCL VOCs, Total Solids
QA/QC Samples* **				
SB-15 (3-5)	n/a	DUP	0-5	TCL VOCs, Total Solids
Field Blank	n/a	FB	n/a	TCL VOCs
Trip Blank	n/a	TB	n/a	TCL VOCs

Notes:

ft - feet

bgs - below ground surface

TCL - Target Compound List

VOC - Volatile Organic Compounds

n/a - Not Applicable

Table 2 - Composite Sampling Plan Summary

Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Sample ID	Soil Borings	Sample Depths (bgs)*	Analytical Parameters**
COMP-1	SB-08	0-10’	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-11		
	SB-14		
COMP-2	SB-09	0-10’	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-12		
	SB-15		
COMP-3	SB-10	0-10'	TCL SVOCs, PCBs, TAL + TCLP Metals, Total + TCLP Mercury
	SB-13		
	SB-16		
COMP-4	COMP-1	0-10'	Ignitability, Reactive Cyanide + Sulfide, Corrosivity, Paint Filter
	COMP-2		
	COMP-3		

Notes:
ft - feet
bgs - below ground surface
TCL - Target Compound List
VOC - Volatile Organic Compounds
n/a - Not Applicable

Discrete VOC Sampling Data Table

Soil Disposal Data - Volatile Organic Compounds
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	SB-8 (0-5)			SB-8 (8-8.5)			SB-9 (4-5)			SB-9 (7-7.5)			SB-10 (2.5-5)			SB-10 (7-7.5)			SB-11 (4-4.5)			SB-11 (9.5-10)			SB-12 (0-5)		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255692-1			460-255692-2			460-255692-10			460-255692-11			460-255692-15			460-255692-16			460-255692-3			460-255692-4			460-255692-12		
Sampling Date	UnRestricted Use	Restricted Use - Residential	Restricted Use - Commercial	04/05/2022 09:10:00			04/05/2022 09:20:00			04/05/2022 11:15:00			04/05/2022 11:20:00			04/05/2022 12:30:00			04/05/2022 12:35:00			04/05/2022 09:40:00			04/05/2022 09:45:00			04/05/2022 12:00:00		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260D																														
1,1,1-Trichloroethane	0.68	100	500	0.00031	U	0.00031	0.00032	U	0.00032	0.00031	U	0.00031	0.00030	U	0.00030	0.00029	U	0.00029	0.00029	U	0.00029	0.00035	U	0.00035	0.00029	U	0.00029	0.00036	U	0.00036
1,1,2,2-Tetrachloroethane	NA	NA	NA	0.00028	U	0.00028	0.00030	U	0.00030	0.00029	U	0.00029	0.00027	U	0.00027	0.00027	U	0.00027	0.00027	U	0.00027	0.00033	U	0.00033	0.00027	U	0.00027	0.00033	U	0.00033
1,1,2-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	0.00040	U *+	0.00040	0.00042	U *+	0.00042	0.00040	U *+	0.00040	0.00039	U *+	0.00039	0.00037	U *+	0.00037	0.00038	U *+	0.00038	0.00046	U *+	0.00046	0.00038	U *+	0.00038	0.00046	U *+	0.00046
1,1,2-Trichloroethane	NA	NA	NA	0.00024	U	0.00024	0.00025	U	0.00025	0.00024	U	0.00024	0.00023	U	0.00023	0.00022	U	0.00022	0.00022	U	0.00022	0.00027	U	0.00027	0.00022	U	0.00022	0.00027	U	0.00027
1,1-Dichloroethane	0.27	26	240	0.00027	U	0.00027	0.00029	U	0.00029	0.00028	U	0.00028	0.00026	U	0.00026	0.00026	U	0.00026	0.00026	U	0.00026	0.00031	U	0.00031	0.00026	U	0.00026	0.00032	U	0.00032
1,1-Dichloroethene	0.33	100	500	0.00030	U *+	0.00030	0.00031	U *+	0.00031	0.00030	U *+	0.00030	0.00029	U *+	0.00029	0.00028	U *+	0.00028	0.00028	U *+	0.00028	0.00034	U *+	0.00034	0.00028	U *+	0.00028	0.00035	U *+	0.00035
1,2,3-Trichlorobenzene	NA	NA	NA	0.00024	U	0.00024	0.00025	U	0.00025	0.00024	U	0.00024	0.00023	U	0.00023	0.00023	U	0.00023	0.00023	U	0.00023	0.00028	U	0.00028	0.00023	U	0.00023	0.00028	U	0.00028
1,2,4-Trichlorobenzene	NA	NA	NA	0.00048	U	0.00048	0.00050	U	0.00050	0.00048	U	0.00048	0.00046	U	0.00046	0.00045	U	0.00045	0.00045	U	0.00045	0.00054	U	0.00054	0.00045	U	0.00045	0.00055	U	0.00055
1,2,4-Trimethylbenzene	3.6	52	190	0.00033	U	0.00033	0.00034	U	0.00034	0.00033	U	0.00033	0.00032	U	0.00032	0.00031	U	0.00031	0.00031	U	0.00031	0.00037	U	0.00037	0.00031	U	0.00031	0.00038	U	0.00038
1,2-Dibromo-3-Chloropropane	NA	NA	NA	0.00061	U	0.00061	0.00064	U	0.00064	0.00062	U	0.00062	0.00059	U	0.00059	0.00057	U	0.00057	0.00058	U	0.00058	0.00070	U	0.00070	0.00058	U	0.00058	0.00071	U	0.00071
1,2-Dichlorobenzene	1.1	100	500	0.00048	U	0.00048	0.00050	U	0.00050	0.00048	U	0.00048	0.00046	U	0.00046	0.00045	U	0.00045	0.00045	U	0.00045	0.00055	U	0.00055	0.00046	U	0.00046	0.00056	U	0.00056
1,2-Dichloroethane	NA	3.1	30	0.00039	U	0.00039	0.00041	U	0.00041	0.00040	U	0.00040	0.00038	U	0.00038	0.00037	U	0.00037	0.00037	U	0.00037	0.00045	U	0.00045	0.00037	U	0.00037	0.00046	U	0.00046
1,2-Dichloropropane	NA	NA	NA	0.00056	U	0.00056	0.00059	U	0.00059	0.00057	U	0.00057	0.00054	U	0.00054	0.00053	U	0.00053	0.00053	U	0.00053	0.00064	U	0.00064	0.00053	U	0.00053	0.00065	U	0.00065
1,3,5-Trimethylbenzene	8.4	52	190	0.00042	U	0.00042	0.00043	U	0.00043	0.00042	U	0.00042	0.00040	U	0.00040	0.00039	U	0.00039	0.00039	U	0.00039	0.00048	U	0.00048	0.00040	U	0.00040	0.00048	U	0.00048
1,3-Dichlorobenzene	2.4	49	280	0.00048	U	0.00048	0.00051	U	0.00051	0.00049	U	0.00049	0.00047	U	0.00047	0.00045	U	0.00045	0.00046	U	0.00046	0.00056	U	0.00056	0.00046	U	0.00046	0.00056	U	0.00056
1,4-Dichlorobenzene	1.8	13	130	0.00030	U	0.00030	0.00031	U	0.00031	0.00030	U	0.00030	0.00029	U	0.00029	0.00028	U	0.00028	0.00028	U	0.00028	0.00034	U	0.00034	0.00028	U	0.00028	0.00035	U	0.00035
2-Butanone (MEK)	0.12	100	500	0.00049	U	0.00049	0.00051	U	0.00051	0.00049	U	0.00049	0.00047	U	0.00047	0.00046	U	0.00046	0.00046	U	0.00046	0.00056	U	0.00056	0.00047	U	0.00047	0.00057	U	0.00057
2-Hexanone	NA	NA	NA	0.0023	U	0.0023	0.0024	U	0.0024	0.0023	U	0.0023	0.0022	U	0.0022	0.0021	U	0.0021	0.0021	U	0.0021	0.0026	U	0.0026	0.0022	U	0.0022	0.0026	U	0.0026
4-Methyl-2-pentanone (MIBK)	NA	NA	NA	0.0021	U	0.0021	0.0022	U	0.0022	0.0021	U	0.0021	0.0020	U	0.0020	0.0019	U	0.0019	0.0019	U	0.0019	0.0024	U	0.0024	0.0020	U	0.0020	0.0024	U	0.0024
Acetone	0.05	100	500	**0.015**		0.0076	**0.0090**		0.0079	**0.030**		0.0077	**0.033**		0.0073	**0.033**		0.0071	**0.049**		0.0072	0.0088	J	0.0087	**0.018**		0.0072	**0.012**		0.0088
Benzene	0.06	4.8	44	0.00034	U	0.00034	0.00036	U	0.00036	0.00035	U	0.00035	0.00033	U	0.00033	0.00032	U	0.00032	0.00032	U	0.00032	0.00039	U	0.00039	0.00033	U	0.00033	0.00040	U	0.00040
Bromoform	NA	NA	NA	0.00056	U	0.00056	0.00059	U	0.00059	0.00057	U	0.00057	0.00055	U	0.00055	0.00053	U	0.00053	0.00053	U	0.00053	0.00065	U	0.00065	0.00054	U	0.00054	0.00065	U	0.00065
Bromomethane	NA	NA	NA	0.0013	U	0.0013	0.0014	U	0.0014	0.0013	U	0.0013	0.0013	U	0.0013	0.0012	U	0.0012	0.0013	U	0.0013	0.0015	U	0.0015	0.0013	U	0.0013	0.0015	U	0.0015
Carbon disulfide	NA	NA	NA	0.00035	U	0.00035	0.00037	U	0.00037	0.00036	U	0.00036	0.00034	U	0.00034	0.00033	U	0.00033	0.00033	U	0.00033	0.00040	U	0.00040	0.00034	U	0.00034	0.00041	U	0.00041
Carbon tetrachloride	0.76	2.4	22	0.00051	U	0.00051	0.00054	U	0.00054	0.00052	U	0.00052	0.00050	U	0.00050	0.00048	U	0.00048	0.00048	U	0.00048	0.00059	U	0.00059	0.00049	U	0.00049	0.00060	U	0.00060
Chlorobenzene	1.1	100	500	0.00024	U	0.00024	0.00025	U	0.00025	0.00024	U	0.00024	0.00023	U	0.00023	0.00022	U	0.00022	0.00022	U	0.00022	0.00027	U	0.00027	0.00022	U	0.00022	0.00027	U	0.00027
Chlorobromomethane	NA	NA	NA	0.00037	U	0.00037	0.00039	U	0.00039	0.00038	U	0.00038	0.00036	U	0.00036	0.00035	U	0.00035	0.00035	U	0.00035	0.00043	U	0.00043	0.00036	U	0.00036	0.00043	U	0.00043
Chlorodibromomethane	NA	NA	NA	0.00026	U	0.00026	0.00027	U	0.00027	0.00026	U	0.00026	0.00025	U	0.00025	0.00024	U	0.00024	0.00024	U	0.00024	0.00030	U	0.00030	0.00025	U	0.00025	0.00030	U	0.00030
Chloroethane	NA	NA	NA	0.00069	U	0.00069	0.00072	U	0.00072	0.00070	U	0.00070	0.00067	U	0.00067	0.00065	U	0.00065	0.00065	U	0.00065	0.00079	U	0.00079	0.00066	U	0.00066	0.00080	U	0.00080
Chloroform	0.37	49	350	0.0013	U	0.0013	0.0013	U	0.0013	0.0013	U	0.0013	0.0012	U	0.0012	0.0012	U	0.0012	0.0012	U	0.0012	0.0015	U	0.0015	0.0012	U	0.0012	0.0015	U	0.0015
Chloromethane	NA	NA	NA	0.00058	U	0.00058	0.00060	U	0.00060	0.00058	U	0.00058	0.00056	U	0.00056	0.00054	U	0.00054	0.00054	U	0.00054	0.00066	U	0.00066	0.00055	U	0.00055	0.00067	U	0.00067
cis-1,2-Dichloroethene	0.25	100	500	0.00048	U	0.00048	0.00050	U	0.00050	0.00048	U	0.00048	0.00046	U	0.00046	0.00045	U	0.00045	0.00045	U	0.00045	0.00054	U	0.00054	0.00045	U	0.00045	0.00055	U	0.00055
cis-1,3-Dichloropropene	NA	NA	NA	0.00036	U	0.00036	0.00038	U	0.00038	0.00037	U	0.00037	0.00035	U	0.00035	0.00034	U	0.00034	0.00034	U	0.00034	0.00042	U	0.00042	0.00035	U	0.00035	0.00042	U	0.00042
Cyclohexane	NA	NA	NA	0.00029	U	0.00029	0.00031	U	0.00031	0.00030	U	0.00030	0.00028	U	0.00028	0.00028	U	0.00028	0.00028	U	0.00028	0.00034	U	0.00034	0.00028	U	0.00028	0.00034	U	0.00034
Dichlorobromomethane	NA	NA	NA	0.00034	U	0.00034	0.00036	U	0.00036	0.00035	U	0.00035	0.00033	U	0.00033	0.00032	U	0.00032	0.00032	U	0.00032	0.00039	U	0.00039	0.00032	U	0.00032	0.00040	U	0.00040
Dichlorodifluoromethane	NA	NA	NA	0.00045	U	0.00045	0.00047	U	0.00047	0.00045	U	0.00045	0.00043	U	0.00043	0.00042	U	0.00042	0.00042	U	0.00042	0.00051	U	0.00051	0.00043	U	0.00043	0.00052	U	0.00052
Ethylbenzene	1	41	390	0.00026	U	0.00026	0.00028	U	0.00028	0.00027	U	0.00027	0.00026	U	0.00026	0.00025	U	0.00025	0.00025	U	0.00025	0.00030	U	0.00030	0.00025	U	0.00025	0.00031	U	0.00031
Ethylene Dibromide	NA	NA	NA	0.00024	U	0.00024	0.00025	U	0.00025	0.00024	U	0.00024	0.00023	U	0.00023	0.00022	U	0.00022	0.00023	U	0.00023	0.00027	U	0.00027	0.00023	U	0.00023	0.00028	U	0.00028
Isopropylbenzene	NA	NA	NA	0.00038	U	0.00038	0.00039	U	0.00039	0.00038	U	0.00038	0.00037	U	0.00037	0.00035	U	0.00035	0.00036	U	0.00036	0.00043	U	0.00043	0.00036	U	0.00036	0.00044	U	0.00044
Methyl acetate	NA	NA	NA	0.0057	U	0.0057	0.0060	U	0.0060	0.0058	U	0.0058	0.0055	U	0.0055	0.0054	U	0.0054	0.0054	U	0.0054	0.0065	U	0.0065	0.0054	U	0.0054	0.0066	U	0.0066
Methyl tert-butyl ether	0.93	100	500	0.00068	U	0.00068	0.00071	U	0.00071	0.00069	U	0.00069	0.00066	U	0.00066	0.00064	U	0.00064	0.00064	U	0.00064	0.00078	U	0.00078	0.00065	U	0.00065	0.00079	U	0.00079
Methylcyclohexane	NA	NA	NA	0.00066	U	0.00066	0.00069	U	0.00069	0.00067	U	0.00067	0.00064	U	0.00064	0.00062	U	0.00062	0.00062	U	0.00062	0.00076	U	0.00076	0.00063	U	0.00063	0.00077	U	0.00077
Methylene Chloride	0.05	100	500	0.0015	U	0.0015	0.0016	U	0.0016	0.0015	U	0.0015	0.0015	U	0.0015	0.0014	U	0.0014	0.0014	U	0.0014	0.0017	U	0.0017	0.0014	U	0.0014	0.0018	U	0.0018
m-Xylene & p-Xylene	NA	NA	NA	0.00023	U	0.00023	0.00024	U	0.00024	0.00023	U	0.00023	0.00022	U	0.00022	0.00022	U	0.00022	0.00022	U	0.00022	0.00026	U	0.00026	0.00022	U	0.00022	0.00028	J	0.00027
n-Butylbenzene	12	100	500	0.00039	U	0.00039	0.00041	U	0.00041	0.00039	U	0.00039	0.00038	U	0.00038	0.00037	U	0.00037	0.00037	U	0.00037	0.00045	U	0.00045	0.00037	U	0.00037	0.00045	U	0.00045
N-Propylbenzene	3.9	100	500	0.00023	U	0.00023	0.00024	U	0.00024	0.00024	U	0.00024	0.00022	U	0.00022	0.00022	U	0.00022	0.00022	U	0.00022	0.00027	U	0.00027	0.00022	U	0.00022	0.00027	U	0.00027
o-Xylene	NA	NA	NA	0.00026	U	0.00026	0.00027	U	0.00027	0.00026	U	0.00026	0.00025	U	0.00025	0.00024	U	0.00024	0.00024	U	0.00024	0.00030	U	0.00030	0.00025	U	0.00025	0.00034	J	0.00030
sec-Butylbenzene	11	100	500	0.00038	U	0.00038	0.00040	U	0.00040	0.00039	U	0.00039	0.00037	U	0.00037	0.00036	U	0.00036	0.00036	U	0.00036	0.00044	U	0.00044	0.00036	U	0.00036	0.00044	U	0.00044
Styrene	NA	NA	NA	0.00037	U	0.00037	0.00038	U	0.00038	0.00037	U	0.00037	0.00036	U	0.00036	0.00035	U	0.00035	0.00035	U	0.00035	0.00042	U	0.00042	0.00035	U	0.00035	0.00043	U	0.00043
tert-Butylbenzene	5.9	100	500	0.00037	U	0.00037	0.00038	U	0.00038	0.00037	U	0.00037	0.00035	U	0.00035	0.00034	U	0.00034	0.00035	U	0.00035	0.00042	U	0.00042	0.00035	U	0.00035	0.00042	U	0.00042
Tetrachloroethene	1.3	19	150	**0.012**		0.00041	0.00042	U	0.00042	0.00041	U	0.00041	0.00039	U	0.00039	**0.024**		0.00038	0.00080	J	0.00038	0.00046	U	0.00046	0.00039	U	0.00039	**0.016**		0.00047
Toluene	0.7	100	500	**0.0013**		0.00031	0.00032	U	0.00032	0.00031	U	0.00031	0.00030	U	0.00030	0.00029	U	0.00029	0.00029	U	0.00029	0.00036	U	0.00036	0.00030	U	0.00030	0.00036	U	0.00036
trans-1,2-Dichloroethene	0.19	100	500	0.00033	U	0.00033	0.00034	U	0.00034	0.00033	U	0.00033	0.00032	U	0.00032	0.00031	U	0.00031	0.00031	U	0.00031	0.00037	U	0.00037	0.00031	U	0.00031	0.00038	U	0.00038
trans-1,3-Dichloropropene	NA	NA	NA	0.00035	U	0.00035	0.00037	U	0.00037	0.00036	U	0.00036	0.00034	U	0.00034	0.00033	U	0.00033	0.00033	U	0.00033	0.00040	U	0.00040	0.00034	U	0.00034	0.00041	U	0.00041
Trichloroethene	0.47	21	200	0.00043	U	0.00043	0.00044	U	0.00044	0.00043	U	0.00043	0.00041	U	0.00041	0.00040	U	0.00040	0.00040	U	0.00040	0.00049	U	0.00049	0.00041	U	0.00041	0.00049	U	0.00049
Trichlorofluoromethane	NA	NA	NA	0.00054	U	0.00054	0.00056	U	0.00056	0.00055	U	0.00055	0.00052	U	0.00052	0.00051	U	0.00051	0.00051	U	0.00051	0.00062	U	0.00062	0.00051	U	0.00051	0.00062	U	0.00062
Vinyl chloride	0.02	0.9	13	0.00073	U	0.00073	0.00076	U	0.00076	0.00073	U	0.00073	0.00070	U	0.00070	0.00068	U	0.00068	0.00068	U	0.00068	0.00083	U	0.00083	0.00069	U	0.00069	0.00084	U	0.00084
Xylenes, Total	0.26	100	500	0.00085	U	0.00085	0.00089	U	0.00089	0.00086	U	0.00086	0.00082	U	0.00082	0.00080	U	0.00080	0.00080	U	0.00080	0.00098	U	0.00098	0.00081	U	0.00081	0.00099	U	0.00099

NOTES
Bold - Analyte detected at result value
*+ : LCS and/or LCSD is outside acceptance limits, high biased.
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Soil Disposal Data - Volatile Organic Compounds
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	SB-12 (7-8)			SB-13 (2-2.5)			SB-13 (7-7.5)			SB-14 (4-5)			SB-14 (6-10)			SB-15 (3-5)			SB-16 (3-5)			SB-16 (7-7.5)		
Lab Sample ID	460-255692-13			460-255692-18			460-255692-19			460-255692-5			460-255692-6			460-255692-7			460-255692-20			460-255692-21		
Sampling Date	04/05/2022 11:50:00			04/05/2022 12:55:00			04/05/2022 13:00:00			04/05/2022 10:00:00			04/05/2022 10:10:00			04/05/2022 10:45:00			04/05/2022 13:20:00			04/05/2022 13:25:00		
Unit	mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg			mg/kg		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8260D																								
1,1,1-Trichloroethane	0.00023	U	0.00023	0.00028	U	0.00028	0.00025	U	0.00025	0.00024	U	0.00024	0.00025	U	0.00025	0.00022	U	0.00022	0.00025	U	0.00025	0.00036	U	0.00036
1,1,2,2-Tetrachloroethane	0.00021	U	0.00021	0.00026	U	0.00026	0.00023	U	0.00023	0.00022	U	0.00022	0.00023	U	0.00023	0.00020	U	0.00020	0.00023	U	0.00023	0.00033	U	0.00033
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U *+	0.00030	0.00036	U *+	0.00036	0.00032	U *+	0.00032	0.00031	U *+	0.00031	0.00032	U *+	0.00032	0.00029	U *+	0.00029	0.00033	U *+	0.00033	0.00046	U	0.00046
1,1,2-Trichloroethane	0.00018	U	0.00018	0.00021	U	0.00021	0.00019	U	0.00019	0.00019	U	0.00019	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00027	U	0.00027
1,1-Dichloroethane	0.00020	U	0.00020	0.00025	U	0.00025	0.00022	U	0.00022	0.00021	U	0.00021	0.00022	U	0.00022	0.00020	U	0.00020	0.00022	U	0.00022	0.00032	U	0.00032
1,1-Dichloroethene	0.00022	U *+	0.00022	0.00027	U *+	0.00027	0.00024	U *+	0.00024	0.00023	U *+	0.00023	0.00024	U *+	0.00024	0.00021	U *+	0.00021	0.00024	U *+	0.00024	0.00035	U	0.00035
1,2,3-Trichlorobenzene	0.00018	U	0.00018	0.00022	U	0.00022	0.00019	U	0.00019	0.00019	U	0.00019	0.00019	U	0.00019	0.00017	U	0.00017	0.00020	U	0.00020	0.00028	U	0.00028
1,2,4-Trichlorobenzene	0.00035	U	0.00035	0.00043	U	0.00043	0.00038	U	0.00038	0.00037	U	0.00037	0.00038	U	0.00038	0.00034	U	0.00034	0.00039	U	0.00039	0.00055	U	0.00055
1,2,4-Trimethylbenzene	0.00024	U	0.00024	0.00030	U	0.00030	0.00026	U	0.00026	0.00026	U	0.00026	0.00026	U	0.00026	0.00023	U	0.00023	0.00027	U	0.00027	0.00038	U	0.00038
1,2-Dibromo-3-Chloropropane	0.00046	U	0.00046	0.00055	U	0.00055	0.00049	U	0.00049	0.00048	U	0.00048	0.00049	U	0.00049	0.00044	U	0.00044	0.00050	U	0.00050	0.00071	U	0.00071
1,2-Dichlorobenzene	0.00036	U	0.00036	0.00044	U	0.00044	0.00039	U	0.00039	0.00038	U	0.00038	0.00038	U	0.00038	0.00034	U	0.00034	0.00039	U	0.00039	0.00056	U	0.00056
1,2-Dichloroethane	0.00029	U	0.00029	0.00036	U	0.00036	0.00032	U	0.00032	0.00031	U	0.00031	0.00031	U	0.00031	0.00028	U	0.00028	0.00032	U	0.00032	0.00046	U	0.00046
1,2-Dichloropropane	0.00042	U	0.00042	0.00051	U	0.00051	0.00045	U	0.00045	0.00044	U	0.00044	0.00045	U	0.00045	0.00040	U	0.00040	0.00046	U	0.00046	0.00065	U	0.00065
1,3,5-Trimethylbenzene	0.00031	U	0.00031	0.00038	U	0.00038	0.00034	U	0.00034	0.00033	U	0.00033	0.00033	U	0.00033	0.00030	U	0.00030	0.00034	U	0.00034	0.00048	U	0.00048
1,3-Dichlorobenzene	0.00036	U	0.00036	0.00044	U	0.00044	0.00039	U	0.00039	0.00038	U	0.00038	0.00039	U	0.00039	0.00035	U	0.00035	0.00040	U	0.00040	0.00056	U	0.00056
1,4-Dichlorobenzene	0.00022	U	0.00022	0.00027	U	0.00027	0.00024	U	0.00024	0.00023	U	0.00023	0.00024	U	0.00024	0.00021	U	0.00021	0.00024	U	0.00024	0.00035	U	0.00035
2-Butanone (MEK)	0.00036	U	0.00036	0.00044	U	0.00044	0.00040	U	0.00040	0.00038	U	0.00038	0.00039	U	0.00039	0.00035	U	0.00035	0.00040	U	0.00040	0.00057	U	0.00057
2-Hexanone	0.0017	U	0.0017	0.0021	U	0.0021	0.0018	U	0.0018	0.0018	U	0.0018	0.0018	U	0.0018	0.0016	U	0.0016	0.0019	U	0.0019	0.0026	U	0.0026
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0015	0.0019	U	0.0019	0.0017	U	0.0017	0.0016	U	0.0016	0.0016	U	0.0016	0.0015	U	0.0015	0.0017	U	0.0017	0.0024	U	0.0024
Acetone	**0.015**		0.0057	**0.016**		0.0069	**0.0082**		0.0061	**0.019**		0.0060	**0.032**		0.0061	**0.0083**		0.0054	**0.017**		0.0062	**0.050**		0.0088
Benzene	0.00026	U	0.00026	0.00031	U	0.00031	0.00028	U	0.00028	0.00027	U	0.00027	0.00027	U	0.00027	0.00025	U	0.00025	0.00028	U	0.00028	0.00040	U	0.00040
Bromoform	0.00042	U	0.00042	0.00051	U	0.00051	0.00046	U	0.00046	0.00044	U	0.00044	0.00045	U	0.00045	0.00040	U	0.00040	0.00046	U	0.00046	0.00066	U	0.00066
Bromomethane	0.00099	U	0.00099	0.0012	U	0.0012	0.0011	U	0.0011	0.0010	U	0.0010	0.0011	U	0.0011	0.00095	U	0.00095	0.0011	U	0.0011	0.0015	U	0.0015
Carbon disulfide	0.00026	U	0.00026	0.00032	U	0.00032	0.00029	U	0.00029	0.00028	U	0.00028	0.00028	U	0.00028	0.00025	U	0.00025	0.00029	U	0.00029	0.00041	U	0.00041
Carbon tetrachloride	0.00038	U	0.00038	0.00047	U	0.00047	0.00042	U	0.00042	0.00040	U	0.00040	0.00041	U	0.00041	0.00037	U	0.00037	0.00042	U	0.00042	0.00060	U	0.00060
Chlorobenzene	0.00018	U	0.00018	0.00021	U	0.00021	0.00019	U	0.00019	0.00018	U	0.00018	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00027	U	0.00027
Chlorobromomethane	0.00028	U	0.00028	0.00034	U	0.00034	0.00030	U	0.00030	0.00029	U	0.00029	0.00030	U	0.00030	0.00027	U	0.00027	0.00031	U	0.00031	0.00043	U	0.00043
Chlorodibromomethane	0.00019	U	0.00019	0.00023	U	0.00023	0.00021	U	0.00021	0.00020	U	0.00020	0.00021	U	0.00021	0.00018	U	0.00018	0.00021	U	0.00021	0.00030	U	0.00030
Chloroethane	0.00052	U	0.00052	0.00063	U	0.00063	0.00056	U	0.00056	0.00054	U	0.00054	0.00055	U	0.00055	0.00050	U	0.00050	0.00057	U	0.00057	0.00081	U	0.00081
Chloroform	0.00096	U	0.00096	0.0012	U	0.0012	0.0010	U	0.0010	0.0010	U	0.0010	0.0010	U	0.0010	0.00092	U	0.00092	0.0011	U	0.0011	0.0015	U	0.0015
Chloromethane	0.00043	U	0.00043	0.00052	U	0.00052	0.00047	U	0.00047	0.00045	U	0.00045	0.00046	U	0.00046	0.00041	U	0.00041	0.00047	U	0.00047	0.00067	U	0.00067
cis-1,2-Dichloroethene	0.00035	U	0.00035	0.00043	U	0.00043	0.00038	U	0.00038	0.00037	U	0.00037	0.00038	U	0.00038	0.00034	U	0.00034	0.00039	U	0.00039	0.00055	U	0.00055
cis-1,3-Dichloropropene	0.00027	U	0.00027	0.00033	U	0.00033	0.00029	U	0.00029	0.00028	U	0.00028	0.00029	U	0.00029	0.00026	U	0.00026	0.00030	U	0.00030	0.00042	U	0.00042
Cyclohexane	0.00022	U	0.00022	0.00027	U	0.00027	0.00024	U	0.00024	0.00023	U	0.00023	0.00023	U	0.00023	0.00021	U	0.00021	0.00024	U	0.00024	0.00034	U	0.00034
Dichlorobromomethane	0.00025	U	0.00025	0.00031	U	0.00031	0.00028	U	0.00028	0.00027	U	0.00027	0.00027	U	0.00027	0.00024	U	0.00024	0.00028	U	0.00028	0.00040	U	0.00040
Dichlorodifluoromethane	0.00033	U	0.00033	0.00041	U	0.00041	0.00036	U	0.00036	0.00035	U	0.00035	0.00036	U	0.00036	0.00032	U	0.00032	0.00037	U	0.00037	0.00052	U	0.00052
Ethylbenzene	0.00020	U	0.00020	0.00024	U	0.00024	0.00021	U	0.00021	0.00021	U	0.00021	0.00021	U	0.00021	0.00019	U	0.00019	0.00022	U	0.00022	0.00031	U	0.00031
Ethylene Dibromide	0.00018	U	0.00018	0.00022	U	0.00022	0.00019	U	0.00019	0.00019	U	0.00019	0.00019	U	0.00019	0.00017	U	0.00017	0.00020	U	0.00020	0.00028	U	0.00028
Isopropylbenzene	0.00028	U	0.00028	0.00034	U	0.00034	0.00031	U	0.00031	0.00030	U	0.00030	0.00030	U	0.00030	0.00027	U	0.00027	0.00031	U	0.00031	0.00044	U	0.00044
Methyl acetate	0.0043	U	0.0043	0.0052	U	0.0052	0.0046	U	0.0046	0.0045	U	0.0045	0.0046	U	0.0046	0.0041	U	0.0041	0.0047	U	0.0047	0.0066	U	0.0066
Methyl tert-butyl ether	0.00051	U	0.00051	0.00062	U	0.00062	0.00055	U	0.00055	0.00053	U	0.00053	0.00054	U	0.00054	0.00049	U	0.00049	0.00056	U	0.00056	0.00079	U	0.00079
Methylcyclohexane	0.00049	U	0.00049	0.00060	U	0.00060	0.00054	U	0.00054	0.00052	U	0.00052	0.00053	U	0.00053	0.00048	U	0.00048	0.00054	U	0.00054	0.00077	U	0.00077
Methylene Chloride	0.0011	U	0.0011	0.0014	U	0.0014	0.0012	U	0.0012	0.0012	U	0.0012	0.0012	U	0.0012	0.0011	U	0.0011	0.0012	U	0.0012	0.0018	U	0.0018
m-Xylene & p-Xylene	0.00017	U	0.00017	0.00021	U	0.00021	0.00019	U	0.00019	0.00027	J	0.00018	0.00018	U	0.00018	0.00017	U	0.00017	0.00019	U	0.00019	0.00027	U	0.00027
n-Butylbenzene	0.00029	U	0.00029	0.00035	U	0.00035	0.00032	U	0.00032	0.00031	U	0.00031	0.00031	U	0.00031	0.00028	U	0.00028	0.00032	U	0.00032	0.00045	U	0.00045
N-Propylbenzene	0.00017	U	0.00017	0.00021	U	0.00021	0.00019	U	0.00019	0.00018	U	0.00018	0.00019	U	0.00019	0.00017	U	0.00017	0.00019	U	0.00019	0.00027	U	0.00027
o-Xylene	0.00019	U	0.00019	0.00023	U	0.00023	0.00021	U	0.00021	0.00021	J	0.00020	0.00021	U	0.00021	0.00018	U	0.00018	0.00021	U	0.00021	0.00030	U	0.00030
sec-Butylbenzene	0.00029	U	0.00029	0.00035	U	0.00035	0.00031	U	0.00031	0.00030	U	0.00030	0.00031	U	0.00031	0.00027	U	0.00027	0.00031	U	0.00031	0.00044	U	0.00044
Styrene	0.00028	U	0.00028	0.00034	U	0.00034	0.00030	U	0.00030	0.00029	U	0.00029	0.00029	U	0.00029	0.00026	U	0.00026	0.00030	U	0.00030	0.00043	U	0.00043
tert-Butylbenzene	0.00027	U	0.00027	0.00033	U	0.00033	0.00030	U	0.00030	0.00029	U	0.00029	0.00029	U	0.00029	0.00026	U	0.00026	0.00030	U	0.00030	0.00043	U	0.00043
Tetrachloroethene	0.00077	J	0.00030	**0.023**		0.00037	0.00048	J	0.00033	**0.0016**		0.00032	0.00032	U	0.00032	0.00065	J	0.00029	**0.0028**		0.00033	0.00047	U	0.00047
Toluene	0.00023	U	0.00023	0.00040	J	0.00028	0.00025	U	0.00025	0.00039	J	0.00024	0.00025	U	0.00025	0.00022	U	0.00022	0.00025	U	0.00025	0.00036	U	0.00036
trans-1,2-Dichloroethene	0.00024	U	0.00024	0.00030	U	0.00030	0.00026	U	0.00026	0.00026	U	0.00026	0.00026	U	0.00026	0.00023	U	0.00023	0.00027	U	0.00027	0.00038	U	0.00038
trans-1,3-Dichloropropene	0.00026	U	0.00026	0.00032	U	0.00032	0.00029	U	0.00029	0.00028	U	0.00028	0.00028	U	0.00028	0.00025	U	0.00025	0.00029	U	0.00029	0.00041	U	0.00041
Trichloroethene	0.00032	U	0.00032	0.00039	U	0.00039	0.00034	U	0.00034	0.00033	U	0.00033	0.00034	U	0.00034	0.00031	U	0.00031	0.00035	U	0.00035	0.00050	U	0.00050
Trichlorofluoromethane	0.00040	U	0.00040	0.00049	U	0.00049	0.00044	U	0.00044	0.00042	U	0.00042	0.00043	U	0.00043	0.00039	U	0.00039	0.00044	U	0.00044	0.00063	U	0.00063
Vinyl chloride	0.00054	U	0.00054	0.00066	U	0.00066	0.00059	U	0.00059	0.00057	U	0.00057	0.00058	U	0.00058	0.00052	U	0.00052	0.00059	U	0.00059	0.00084	U	0.00084
Xylenes, Total	0.00064	U	0.00064	0.00077	U	0.00077	0.00069	U	0.00069	0.00067	U	0.00067	0.00068	U	0.00068	0.00061	U	0.00061	0.00070	U	0.00070	0.00099	U	0.00099

NOTES
Bold - Analyte detected at result value
*+ : LCS and/or LCSD is outside acceptance
J : Result is less than the RL but greater tha
U : Indicates the analyte was analyzed for t

Composite Sampling Data Table

Composite Soil Data - Semi-Volatile Organic Compounds
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	COMP-1			COMP-2			COMP-3		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255715-16			460-255715-17			460-255715-18		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	04/05/2022 10:25:00			04/05/2022 12:15:00			04/05/2022 13:35:00		
Matrix		Residential	Commercial	Soil			Soil			Soil		
Unit	ug/kg	ug/kg	ug/kg	ug/kg			ug/kg			ug/kg		
				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270E												
1,1'-Biphenyl	NA	NA	NA	4.7	U	4.7	4.6	U	4.6	4.7	U	4.7
1,2,4,5-Tetrachlorobenzene	NA	NA	NA	11	U	11	11	U	11	11	U	11
2,2'-oxybis[1-chloropropane]	NA	NA	NA	6.4	U	6.4	6.3	U	6.3	6.4	U	6.4
2,3,4,6-Tetrachlorophenol	NA	NA	NA	24	U	24	24	U	24	24	U	24
2,4,5-Trichlorophenol	NA	NA	NA	36	U	36	35	U	35	36	U	36
2,4,6-Trichlorophenol	NA	NA	NA	45	U	45	45	U	45	45	U	45
2,4-Dichlorophenol	NA	NA	NA	23	U	23	22	U	22	23	U	23
2,4-Dimethylphenol	NA	NA	NA	15	U	15	15	U	15	15	U	15
2,4-Dinitrophenol	NA	NA	NA	170	U	170	170	U	170	170	U	170
2,4-Dinitrotoluene	NA	NA	NA	38	U	38	37	U	37	38	U	38
2,6-Dinitrotoluene	NA	NA	NA	25	U	25	25	U	25	25	U	25
2-Chloronaphthalene	NA	NA	NA	16	U	16	16	U	16	16	U	16
2-Chlorophenol	NA	NA	NA	13	U	13	12	U	12	12	U	12
2-Methylnaphthalene	NA	NA	NA	9.8	U	9.8	9.7	U	9.7	9.8	U	9.8
2-Methylphenol	330	100000	500000	13	U	13	13	U	13	13	U	13
2-Nitroaniline	NA	NA	NA	13	U	13	13	U	13	13	U	13
2-Nitrophenol	NA	NA	NA	35	U	35	35	U	35	35	U	35
3,3'-Dichlorobenzidine	NA	NA	NA	53	U	53	53	U	53	53	U	53
3-Nitroaniline	NA	NA	NA	40	U	40	39	U	39	40	U	40
4,6-Dinitro-2-methylphenol	NA	NA	NA	140	U	140	140	U	140	140	U	140
4-Bromophenyl phenyl ether	NA	NA	NA	14	U	14	14	U	14	14	U	14
4-Chloro-3-methylphenol	NA	NA	NA	20	U	20	19	U	19	20	U	20
4-Chloroaniline	NA	NA	NA	62	U	62	62	U	62	62	U	62
4-Chlorophenyl phenyl ether	NA	NA	NA	12	U	12	12	U	12	12	U	12
4-Methylphenol	330	34000	500000	22	U	22	22	U	22	22	U	22
4-Nitroaniline	NA	NA	NA	40	U	40	40	U	40	40	U	40
4-Nitrophenol	NA	NA	NA	57	U	57	57	U	57	57	U	57
Acenaphthene	20000	100000	500000	10	U	10	9.9	U	9.9	10	U	10
Acenaphthylene	100000	100000	500000	3.5	U	3.5	7.9	J	3.5	3.5	U	3.5
Acetophenone	NA	NA	NA	17	U	17	17	U	17	17	U	17
Anthracene	100000	100000	500000	11	U	11	11	U	11	11	U	11
Atrazine	NA	NA	NA	21	U	21	20	U	20	21	U	21
Benzaldehyde	NA	NA	NA	58	U	58	57	U	57	58	U	58
Benzo[a]anthracene	1000	1000	5600	17	J	12	**64**		12	17	J	12
Benzo[a]pyrene	1000	1000	1000	9.4	U	9.4	**57**		9.3	9.4	U	9.4
Benzo[b]fluoranthene	1000	1000	5600	9.1	U	9.1	**81**		9.0	11	J	9.1
Benzo[g,h,i]perylene	100000	100000	500000	10	U	10	45	J	10	10	U	10
Benzo[k]fluoranthene	800	1000	56000	6.9	U	6.9	33	J	6.8	6.9	U	6.9
Bis(2-chloroethoxy)methane	NA	NA	NA	27	U	27	27	U	27	27	U	27
Bis(2-chloroethyl)ether	NA	NA	NA	12	U	12	12	U	12	12	U	12
Bis(2-ethylhexyl) phthalate	NA	NA	NA	19	U	19	18	U	18	19	U	19
Butyl benzyl phthalate	NA	NA	NA	17	U	17	16	U	16	16	U	16
Caprolactam	NA	NA	NA	55	U	55	54	U	54	55	U	55
Carbazole	NA	NA	NA	13	U	13	13	U	13	13	U	13
Chrysene	1000	1000	56000	10	J	6.0	65	J	5.9	10	J	5.9
Dibenz(a,h)anthracene	330	330	560	15	U	15	15	U	15	15	U	15
Dibenzofuran	7000	14000	350000	4.9	U	4.9	4.9	U	4.9	4.9	U	4.9

Composite Soil Data - Semi-Volatile Organic Compounds
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	**COMP-1**			**COMP-2**			**COMP-3**		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255715-16			460-255715-17			460-255715-18		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	04/05/2022 10:25:00			04/05/2022 12:15:00			04/05/2022 13:35:00		
Matrix		Residential	Commercial	Soil			Soil			Soil		
Unit	ug/kg	ug/kg	ug/kg	ug/kg			ug/kg			ug/kg		
				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8270E												
Diethyl phthalate	NA	NA	NA	5.1	U	5.1	5.0	U	5.0	5.1	U	5.1
Dimethyl phthalate	NA	NA	NA	80	U	80	79	U	79	80	U	80
Di-n-butyl phthalate	NA	NA	NA	13	U	13	13	U	13	13	U	13
Di-n-octyl phthalate	NA	NA	NA	19	U	19	18	U	18	19	U	19
Fluoranthene	100000	100000	500000	17	J	12	110	J	12	16	J	12
Fluorene	30000	100000	500000	4.8	U	4.8	4.7	U	4.7	4.8	U	4.8
Hexachlorobenzene	330	330	6000	17	U	17	17	U	17	17	U	17
Hexachlorobutadiene	NA	NA	NA	7.5	U	7.5	7.4	U	7.4	7.5	U	7.5
Hexachlorocyclopentadiene	NA	NA	NA	31	U	31	30	U	30	31	U	31
Hexachloroethane	NA	NA	NA	12	U	12	12	U	12	12	U	12
Indeno[1,2,3-cd]pyrene	500	500	5600	14	U	14	**76**		14	14	U	14
Isophorone	NA	NA	NA	100	U	100	100	U	100	100	U	100
Naphthalene	12000	100000	500000	6.1	U	6.1	6.0	U	6.0	6.1	U	6.1
Nitrobenzene	NA	NA	NA	8.5	U	8.5	8.3	U	8.3	8.4	U	8.4
N-Nitrosodi-n-propylamine	NA	NA	NA	26	U	26	25	U	25	26	U	26
N-Nitrosodiphenylamine	NA	NA	NA	29	U	29	29	U	29	29	U	29
Pentachlorophenol	800	2400	6700	72	U	72	71	U	71	72	U	72
Phenanthrene	100000	100000	500000	13	J	6.2	41	J	6.1	11	J	6.2
Phenol	330	100000	500000	13	U	13	13	U	13	13	U	13
Pyrene	100000	100000	500000	16	J	8.8	110	J	8.6	17	J	8.7

NOTES
Bold - Analyte detected at result value
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Composite Soil Data - Polychlorinated Biphenyls
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	**COMP-1**			**COMP-2**			**COMP-3**		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255715-16			460-255715-17			460-255715-18		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	04/05/2022 10:25:00			04/05/2022 12:15:00			04/05/2022 13:35:00		
Matrix		Residential	Commercial	Soil			Soil			Soil		
Unit	ug/kg	ug/kg	ug/kg	ug/kg			ug/kg			ug/kg		
				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 8082A												
Aroclor 1016	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1221	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1232	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1242	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1248	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1254	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1260	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor 1268	NA	NA	NA	19	U	19	19	U	19	19	U	19
Aroclor-1262	NA	NA	NA	19	U	19	19	U	19	19	U	19
Total PCBs	100	1000	1000	19	U	19	19	U	19	19	U	19

NOTES
U : Indicates the analyte was analyzed for but not detected.

Composite Soil Data - Metals and Mercury
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	COMP-1			COMP-2			COMP-3		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255715-16			460-255715-17			460-255715-18		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	04/05/2022 10:25:00			04/05/2022 12:15:00			04/05/2022 13:35:00		
Matrix		Residential	Commercial	Soil			Soil			Soil		
Unit	mg/kg	mg/kg	mg/kg	mg/kg			mg/kg			mg/kg		
				Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
SOIL BY 6020B(MG/KG)												
Aluminum	NA	NA	NA	**7350**		4.7	**6210**		4.6	**5540**		4.4
Antimony	NA	NA	NA	0.13	U	0.13	0.12	U	0.12	0.12	U	0.12
Arsenic	13	16	16	**1.6**		0.089	**1.9**		0.086	**1.5**		0.083
Barium	350	350	400	**46.4**		0.12	**41.2**		0.12	**39.6**		0.12
Beryllium	7.2	14	590	0.28	J	0.049	0.27	J	0.048	0.27	J	0.046
Cadmium	2.5	2.5	9.3	0.12	J	0.097	0.11	J	0.095	0.13	J	0.091
Calcium	NA	NA	NA	**5560**		15.2	**3440**		14.8	**4050**		14.2
Chromium	NA	NA	NA	**16.1**		0.78	**13.8**		0.76	**10.8**		0.73
Cobalt	NA	NA	NA	**5.7**		0.13	**13.2**		0.12	**7.2**		0.12
Copper	50	270	270	**19.9**		0.32	**13.6**		0.31	**15.1**		0.29
Iron	NA	NA	NA	**13100**		17.4	**10800**		16.9	**10200**		16.2
Lead	63	400	1000	**99.4**		0.17	**66.4**		0.17	**48.4**		0.16
Magnesium	NA	NA	NA	**5560**		8.8	**3340**		8.5	**2380**		8.2
Manganese	1600	2000	10000	**241**		0.35	**248**		0.34	**288**		0.32
Nickel	30	140	310	**12.5**		0.40	**11.2**		0.39	**11.0**		0.38
Potassium	NA	NA	NA	**1140**		13.9	**688**		13.6	**692**		13.0
Selenium	3.9	36	1500	0.11	U	0.11	0.19	J	0.11	0.20	J	0.10
Silver	2	36	1500	0.077	U	0.077	0.075	U	0.075	0.071	U	0.071
Sodium	NA	NA	NA	**120**		39.3	**90.7**		38.3	**155**		36.6
Thallium	NA	NA	NA	0.10	J	0.035	**0.079**	J	0.034	0.073	J	0.033
Vanadium	NA	NA	NA	**27.2**		0.18	**16.6**		0.17	**15.5**		0.17
Zinc	109	2200	10000	**62.7**		2.6	**78.1**		2.6	**42.5**		2.4
SOIL BY 7471B(MG/KG)												
Mercury	0.18	0.81	2.8	0.013	J	0.0084	**0.093**		0.0082	**0.036**		0.0085

NOTES
Bold - Analyte detected at result value
Bold + Orange Highlight - Analyte Exceeds Unrestricted Use SCO
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Composite Soil Data - TCLP Metals
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	**COMP-1**			**COMP-2**			**COMP-3**		
Lab Sample ID	460-255715-16			460-255715-17			460-255715-18		
Sampling Date	04/05/2022 10:25:00			04/05/2022 12:15:00			04/05/2022 13:35:00		
Matrix	TCLP			TCLP			TCLP		
	Result	Q	MDL	Result	Q	MDL	Result	Q	MDL
TCLP BY 6020B(UG/L)									
Arsenic	8.9	U	8.9	8.9	U	8.9	8.9	U	8.9
Barium	**438**		9.1	**312**		9.1	**370**		9.1
Cadmium	3.9	U	3.9	3.9	U	3.9	3.9	U	3.9
Chromium	25.0	U	25.0	25.0	U	25.0	25.0	U	25.0
Lead	**27.2**		8.4	**102**		8.4	**61.5**		8.4
Selenium	5.9	U	5.9	5.9	U	5.9	5.9	U	5.9
Silver	2.9	U	2.9	2.9	U	2.9	2.9	U	2.9
TCLP BY 7470A(MG/L)									
Mercury	**0.00020**		0.000091	0.00012	J	0.000091	0.000091	U	0.000091
TCLP SUMMARY									
Leachate Initial Amt	0.10009	Kg		0.10002	Kg		0.10006	Kg	
Leachate Final Amt	2	L		2	L		2	L	
Leachate Final pH	5.14	SU		5.03	SU		5.01	SU	

NOTES
Bold - Analyte detected at result value
J : Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U : Indicates the analyte was analyzed for but not detected.

Composite Soil Data - Wet Chemistry
Bridge Cleaners
39-26 30th Street, Long Island City, NY
NYSDEC Site No. C241127

Client ID	NYDEC 375-6	NYDEC 375-6	NYDEC 375-6	**COMP-4**		
Lab Sample ID	Soil Cleanup Obj	Soil Cleanup Obj	Soil Cleanup Obj	460-255715-19		
Sampling Date	UnRestricted Use	Restricted Use	Restricted Use	04/05/2022 13:45:00		
Matrix		Residential	Commercial	Soil		
				Result	Q	MDL
SOIL BY 1030						
Burn Rate (mm/sec)	NA	NA	NA	2.20	U	2.20
SOIL BY 9014						
Cyanide, Reactive (mg/kg)	NA	NA	NA	25.0	U	25.0
SOIL BY 9034						
Sulfide, Reactive (mg/kg)	NA	NA	NA	20.0	U	20.0
SOIL BY 9045D						
Corrosivity (su)	NA	NA	NA	7.4	HF	
pH (su)	NA	NA	NA	7.4	HF	
Temperature (degrees c)	NA	NA	NA	20.9	HF	
SOIL BY 9095B						
Free Liquid (ml/100g)	NA	NA	NA	0.500	U	0.500

NOTES
HF : Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U : Indicates the analyte was analyzed for but not detected.

Discrete VOC Sampling Analytical Report

ANALYTICAL REPORT

Job Number: 460-255692-1

Job Description: Bridge Cleaners

For:
Environmental Compliance & Control Inc
1 Emery Avenue
Unit 2
Randolph, NJ 07869

Attention: Nicholas Krasnecky



Approved for release.
Kristyn L Tempe
Manager of Project Management
4/15/2022 9:54 AM

Kristyn L Tempe, Manager of Project Management
777 New Durham Road, Edison, NJ, 08817
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04/15/2022

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

Job Number: 460-255692-1

Job Description: Bridge Cleaners

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Kristyn L Tempe
Manager of Project Management
4/15/2022 9:54 AM

Kristyn L Tempe

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CASE NARRATIVE

Client: Environmental Compliance & Control Inc

Project: Bridge Cleaners

Report Number: 460-255692-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 4/5/2022 6:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5º C, 2.4º C and 2.8º C.

Receipt Exceptions

4 HCL preserved vials received for the following sample instead of 2.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples SB-8 (0-5) (460-255692-1), SB-8 (8-8.5) (460-255692-2), SB-11 (4-4.5) (460-255692-3), SB-11 (9.5-10) (460-255692-4), SB-14 (4-5) (460-255692-5), SB-14 (6-10) (460-255692-6), SB-15 (3-5) (460-255692-7), SB-15 (12-13) (460-255692-8), DUP (460-255692-9), SB-9 (4-5) (460-255692-10), SB-9 (7-7.5) (460-255692-11), SB-12 (0-5) (460-255692-12), SB-12 (7-8) (460-255692-13), SB-12 (15-15.5) (460-255692-14), SB-10 (2.5-5) (460-255692-15), SB-10 (7-7.5) (460-255692-16), SB-10 (15-15.5) (460-255692-17), SB-13 (2-2.5) (460-255692-18), SB-13 (7-7.5) (460-255692-19), SB-16 (3-5) (460-255692-20) and SB-16 (7-7.5) (460-255692-21) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were prepared on 04/06/2022 and analyzed on 04/08/2022 and 04/09/2022.

The continuing calibration verification (CCV) analyzed in batch 460-838140 was outside the method criteria for the following analytes: Trichlorofluoromethane, 1,1-Dichloroethene, 1,1,2-Trichloro-1,2,2-trifluoroethane and Methyl acetate (biased high) and n-Butylbenzene (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) associated with batch 460-838227 recovered above the upper control limit for 1,1-Dichloroethene and Freon TF. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-838140 recovered outside control limits for the following analytes: 1,1-Dichloroethene and 1,1,2-Trichloro-1,2,2-trifluoroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

1,1,2-Trichloro-1,2,2-trifluoroethane and 1,1-Dichloroethene failed the recovery criteria high for LCS 460-838140/3. Refer to the QC report for details.

Internal standard (ISTD) response for 1,4-DIoxane-d8 for the following samples in analytical batch 460-838140 was outside acceptance criteria: SB-8 (8-8.5) (460-255692-2), SB-11 (4-4.5) (460-255692-3), SB-11 (9.5-10) (460-255692-4), SB-14 (6-10) (460-255692-6), SB-15 (12-13) (460-255692-8), SB-12 (7-8) (460-255692-13), SB-12 (15-15.5) (460-255692-14), SB-10 (2.5-5) (460-255692-15), SB-10 (15-15.5) (460-255692-17), SB-13 (2-2.5) (460-255692-18) and SB-16 (3-5) (460-255692-20). This ISTD does not correspond to any of

the requested target compounds reported from this analytical batch; therefore, the data have been reported.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples TB (460-255692-22) and FB (460-255692-23) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 04/08/2022.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-8 (0-5) (460-255692-1), SB-8 (8-8.5) (460-255692-2), SB-11 (4-4.5) (460-255692-3), SB-11 (9.5-10) (460-255692-4), SB-14 (4-5) (460-255692-5), SB-14 (6-10) (460-255692-6), SB-15 (3-5) (460-255692-7), SB-15 (12-13) (460-255692-8), DUP (460-255692-9), SB-9 (4-5) (460-255692-10), SB-9 (7-7.5) (460-255692-11), SB-12 (0-5) (460-255692-12), SB-12 (7-8) (460-255692-13), SB-12 (15-15.5) (460-255692-14), SB-10 (2.5-5) (460-255692-15), SB-10 (7-7.5) (460-255692-16), SB-10 (15-15.5) (460-255692-17), SB-13 (2-2.5) (460-255692-18), SB-13 (7-7.5) (460-255692-19), SB-16 (3-5) (460-255692-20) and SB-16 (7-7.5) (460-255692-21) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/06/2022.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-255715-15. Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-255692-1	SB-8 (0-5)	Solid	04/05/22 09:10	04/05/22 18:00
460-255692-2	SB-8 (8-8.5)	Solid	04/05/22 09:20	04/05/22 18:00
460-255692-3	SB-11 (4-4.5)	Solid	04/05/22 09:40	04/05/22 18:00
460-255692-4	SB-11 (9.5-10)	Solid	04/05/22 09:45	04/05/22 18:00
460-255692-5	SB-14 (4-5)	Solid	04/05/22 10:00	04/05/22 18:00
460-255692-6	SB-14 (6-10)	Solid	04/05/22 10:10	04/05/22 18:00
460-255692-7	SB-15 (3-5)	Solid	04/05/22 10:45	04/05/22 18:00
460-255692-8	SB-15 (12-13)	Solid	04/05/22 11:00	04/05/22 18:00
460-255692-9	DUP	Solid	04/05/22 00:00	04/05/22 18:00
460-255692-10	SB-9 (4-5)	Solid	04/05/22 11:15	04/05/22 18:00
460-255692-11	SB-9 (7-7.5)	Solid	04/05/22 11:20	04/05/22 18:00
460-255692-12	SB-12 (0-5)	Solid	04/05/22 12:00	04/05/22 18:00
460-255692-13	SB-12 (7-8)	Solid	04/05/22 11:50	04/05/22 18:00
460-255692-14	SB-12 (15-15.5)	Solid	04/05/22 12:05	04/05/22 18:00
460-255692-15	SB-10 (2.5-5)	Solid	04/05/22 12:30	04/05/22 18:00
460-255692-16	SB-10 (7-7.5)	Solid	04/05/22 12:35	04/05/22 18:00
460-255692-17	SB-10 (15-15.5)	Solid	04/05/22 12:40	04/05/22 18:00
460-255692-18	SB-13 (2-2.5)	Solid	04/05/22 12:55	04/05/22 18:00
460-255692-19	SB-13 (7-7.5)	Solid	04/05/22 13:00	04/05/22 18:00
460-255692-20	SB-16 (3-5)	Solid	04/05/22 13:20	04/05/22 18:00
460-255692-21	SB-16 (7-7.5)	Solid	04/05/22 13:25	04/05/22 18:00
460-255692-22	TB	Water	04/05/22 00:00	04/05/22 18:00
460-255692-23	FB	Water	04/05/22 08:10	04/05/22 18:00

Detection Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Client Sample ID: SB-8 (0-5) — Lab Sample ID: 460-255692-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.015		0.0080	0.0076	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.012		0.0013	0.00041	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.0013		0.0013	0.00031	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-8 (8-8.5) — Lab Sample ID: 460-255692-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0090		0.0083	0.0079	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-11 (4-4.5) — Lab Sample ID: 460-255692-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0088	J	0.0091	0.0087	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-11 (9.5-10) — Lab Sample ID: 460-255692-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.018		0.0076	0.0072	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-14 (4-5) — Lab Sample ID: 460-255692-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.019		0.0062	0.0060	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00027	J	0.0010	0.00018	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00021	J	0.0010	0.00020	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0016		0.0010	0.00032	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00039	J	0.0010	0.00024	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-14 (6-10) — Lab Sample ID: 460-255692-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.032		0.0064	0.0061	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-15 (3-5) — Lab Sample ID: 460-255692-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0083		0.0057	0.0054	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00065	J	0.00095	0.00029	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-15 (12-13) — Lab Sample ID: 460-255692-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.041		0.011	0.011	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: DUP — Lab Sample ID: 460-255692-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0078		0.0066	0.0063	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0048		0.0011	0.00034	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-9 (4-5) — Lab Sample ID: 460-255692-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.030		0.0081	0.0077	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Client Sample ID: SB-9 (7-7.5) — Lab Sample ID: 460-255692-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.033		0.0077	0.0073	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-12 (0-5) — Lab Sample ID: 460-255692-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.012		0.0092	0.0088	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00028	J	0.0015	0.00027	mg/Kg	1	☼	8260D	Total/NA
o-Xylene	0.00034	J	0.0015	0.00030	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.016		0.0015	0.00047	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-12 (7-8) — Lab Sample ID: 460-255692-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.015		0.0059	0.0057	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00077	J	0.00099	0.00030	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-12 (15-15.5) — Lab Sample ID: 460-255692-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.035		0.0067	0.0063	mg/Kg	1	☼	8260D	Total/NA
m-Xylene & p-Xylene	0.00020	J	0.0011	0.00019	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-10 (2.5-5) — Lab Sample ID: 460-255692-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.033		0.0075	0.0071	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.024		0.0012	0.00038	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-10 (7-7.5) — Lab Sample ID: 460-255692-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.049		0.0075	0.0072	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00080	J	0.0013	0.00038	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-10 (15-15.5) — Lab Sample ID: 460-255692-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.051		0.0082	0.0078	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00092	J	0.0014	0.00042	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-13 (2-2.5) — Lab Sample ID: 460-255692-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.016		0.0072	0.0069	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.023		0.0012	0.00037	mg/Kg	1	☼	8260D	Total/NA
Toluene	0.00040	J	0.0012	0.00028	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-13 (7-7.5) — Lab Sample ID: 460-255692-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.0082		0.0064	0.0061	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.00048	J	0.0011	0.00033	mg/Kg	1	☼	8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Client Sample ID: SB-16 (3-5) — Lab Sample ID: 460-255692-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.017		0.0065	0.0062	mg/Kg	1	☼	8260D	Total/NA
Tetrachloroethene	0.0028		0.0011	0.00033	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: SB-16 (7-7.5) — Lab Sample ID: 460-255692-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.050		0.0093	0.0088	mg/Kg	1	☼	8260D	Total/NA

Client Sample ID: TB — Lab Sample ID: 460-255692-22

No Detections.

Client Sample ID: FB — Lab Sample ID: 460-255692-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	5.0	4.4	ug/L	1		8260D	Total/NA
Methylene Chloride	2.7		1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI

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 EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: SB-8 (0-5)
Date Collected: 04/05/22 09:10
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-1
Matrix: Solid
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,1,2,2-Tetrachloroethane	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00040	U *+	0.0013	0.00040	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,1,2-Trichloroethane	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,1-Dichloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,1-Dichloroethene	0.00030	U *+	0.0013	0.00030	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2,3-Trichlorobenzene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2,4-Trichlorobenzene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2,4-Trimethylbenzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2-Dibromo-3-Chloropropane	0.00061	U	0.0013	0.00061	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2-Dichlorobenzene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2-Dichloroethane	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,2-Dichloropropane	0.00056	U	0.0013	0.00056	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,3,5-Trimethylbenzene	0.00042	U	0.0013	0.00042	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,3-Dichlorobenzene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
1,4-Dichlorobenzene	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
2-Butanone (MEK)	0.00049	U	0.0066	0.00049	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
2-Hexanone	0.0023	U	0.0066	0.0023	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
4-Methyl-2-pentanone (MIBK)	0.0021	U	0.0066	0.0021	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Acetone	**0.015**		0.0080	0.0076	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Benzene	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Bromoform	0.00056	U	0.0013	0.00056	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Bromomethane	0.0013	U	0.0027	0.0013	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Carbon disulfide	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Carbon tetrachloride	0.00051	U	0.0013	0.00051	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chlorobenzene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chlorobromomethane	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chlorodibromomethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chloroethane	0.00069	U	0.0013	0.00069	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Chloromethane	0.00058	U	0.0013	0.00058	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
cis-1,2-Dichloroethene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
cis-1,3-Dichloropropene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Cyclohexane	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Dichlorobromomethane	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Dichlorodifluoromethane	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Ethylbenzene	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Ethylene Dibromide	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Isopropylbenzene	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Methyl acetate	0.0057	U	0.0066	0.0057	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Methyl tert-butyl ether	0.00068	U	0.0013	0.00068	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Methylcyclohexane	0.00066	U	0.0013	0.00066	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Methylene Chloride	0.0015	U	0.0027	0.0015	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
m-Xylene & p-Xylene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
n-Butylbenzene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
N-Propylbenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
o-Xylene	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
sec-Butylbenzene	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Styrene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1

Client Sample ID: SB-8 (0-5)
Lab Sample ID: 460-255692-1

Date Collected: 04/05/22 09:10
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 94.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Tetrachloroethene	**0.012**		0.0013	0.00041	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Toluene	**0.0013**		0.0013	0.00031	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
trans-1,2-Dichloroethene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
trans-1,3-Dichloropropene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Trichloroethene	0.00043	U	0.0013	0.00043	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Trichlorofluoromethane	0.00054	U	0.0013	0.00054	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Vinyl chloride	0.00073	U	0.0013	0.00073	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1
Xylenes, Total	0.00085	U	0.0027	0.00085	mg/Kg	☼	04/06/22 11:45	04/08/22 19:23	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:45*	*04/08/22 19:23*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*	*04/06/22 11:45*	*04/08/22 19:23*	*1*
4-Bromofluorobenzene	*95*		*70 - 139*	*04/06/22 11:45*	*04/08/22 19:23*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*04/06/22 11:45*	*04/08/22 19:23*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*	*04/06/22 11:45*	*04/08/22 19:23*	*1*

Client Sample ID: SB-8 (8-8.5)
Lab Sample ID: 460-255692-2

Date Collected: 04/05/22 09:20
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00032	U	0.0014	0.00032	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,1,2,2-Tetrachloroethane	0.00030	U	0.0014	0.00030	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00042	U *+	0.0014	0.00042	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,1,2-Trichloroethane	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,1-Dichloroethane	0.00029	U	0.0014	0.00029	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,1-Dichloroethene	0.00031	U *+	0.0014	0.00031	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2,3-Trichlorobenzene	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2,4-Trichlorobenzene	0.00050	U	0.0014	0.00050	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2,4-Trimethylbenzene	0.00034	U	0.0014	0.00034	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2-Dibromo-3-Chloropropane	0.00064	U	0.0014	0.00064	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2-Dichlorobenzene	0.00050	U	0.0014	0.00050	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2-Dichloroethane	0.00041	U	0.0014	0.00041	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,2-Dichloropropane	0.00059	U	0.0014	0.00059	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,3,5-Trimethylbenzene	0.00043	U	0.0014	0.00043	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,3-Dichlorobenzene	0.00051	U	0.0014	0.00051	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
1,4-Dichlorobenzene	0.00031	U	0.0014	0.00031	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
2-Butanone (MEK)	0.00051	U	0.0069	0.00051	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
2-Hexanone	0.0024	U	0.0069	0.0024	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
4-Methyl-2-pentanone (MIBK)	0.0022	U	0.0069	0.0022	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Acetone	**0.0090**		0.0083	0.0079	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Benzene	0.00036	U	0.0014	0.00036	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Bromoform	0.00059	U	0.0014	0.00059	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Bromomethane	0.0014	U	0.0028	0.0014	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Carbon disulfide	0.00037	U	0.0014	0.00037	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Carbon tetrachloride	0.00054	U	0.0014	0.00054	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1

Client Sample ID: SB-8 (8-8.5)
Lab Sample ID: 460-255692-2

Date Collected: 04/05/22 09:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 96.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Chlorobromomethane	0.00039	U	0.0014	0.00039	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Chlorodibromomethane	0.00027	U	0.0014	0.00027	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Chloroethane	0.00072	U	0.0014	0.00072	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Chloroform	0.0013	U	0.0014	0.0013	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Chloromethane	0.00060	U	0.0014	0.00060	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
cis-1,2-Dichloroethene	0.00050	U	0.0014	0.00050	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
cis-1,3-Dichloropropene	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Cyclohexane	0.00031	U	0.0014	0.00031	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Dichlorobromomethane	0.00036	U	0.0014	0.00036	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Dichlorodifluoromethane	0.00047	U	0.0014	0.00047	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Ethylbenzene	0.00028	U	0.0014	0.00028	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Ethylene Dibromide	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Isopropylbenzene	0.00039	U	0.0014	0.00039	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Methyl acetate	0.0060	U	0.0069	0.0060	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Methyl tert-butyl ether	0.00071	U	0.0014	0.00071	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Methylcyclohexane	0.00069	U	0.0014	0.00069	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Methylene Chloride	0.0016	U	0.0028	0.0016	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
m-Xylene & p-Xylene	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
n-Butylbenzene	0.00041	U	0.0014	0.00041	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
N-Propylbenzene	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
o-Xylene	0.00027	U	0.0014	0.00027	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
sec-Butylbenzene	0.00040	U	0.0014	0.00040	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Styrene	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
tert-Butylbenzene	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Tetrachloroethene	0.00042	U	0.0014	0.00042	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Toluene	0.00032	U	0.0014	0.00032	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
trans-1,2-Dichloroethene	0.00034	U	0.0014	0.00034	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
trans-1,3-Dichloropropene	0.00037	U	0.0014	0.00037	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Trichloroethene	0.00044	U	0.0014	0.00044	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Trichlorofluoromethane	0.00056	U	0.0014	0.00056	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Vinyl chloride	0.00076	U	0.0014	0.00076	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1
Xylenes, Total	0.00089	U	0.0028	0.00089	mg/Kg	☼	04/06/22 11:47	04/08/22 19:46	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:47*	*04/08/22 19:46*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*	*04/06/22 11:47*	*04/08/22 19:46*	*1*
4-Bromofluorobenzene	*92*		*70 - 139*	*04/06/22 11:47*	*04/08/22 19:46*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*04/06/22 11:47*	*04/08/22 19:46*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*	*04/06/22 11:47*	*04/08/22 19:46*	*1*

Client Sample ID: SB-11 (4-4.5)
Lab Sample ID: 460-255692-3

Date Collected: 04/05/22 09:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00035	U	0.0015	0.00035	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1

Client Sample ID: SB-11 (4-4.5)
Date Collected: 04/05/22 09:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-3
Matrix: Solid
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	0.00033	U	0.0015	0.00033	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00046	U *+	0.0015	0.00046	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,1,2-Trichloroethane	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,1-Dichloroethane	0.00031	U	0.0015	0.00031	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,1-Dichloroethene	0.00034	U *+	0.0015	0.00034	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2,3-Trichlorobenzene	0.00028	U	0.0015	0.00028	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2,4-Trichlorobenzene	0.00054	U	0.0015	0.00054	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2,4-Trimethylbenzene	0.00037	U	0.0015	0.00037	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2-Dibromo-3-Chloropropane	0.00070	U	0.0015	0.00070	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2-Dichlorobenzene	0.00055	U	0.0015	0.00055	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2-Dichloroethane	0.00045	U	0.0015	0.00045	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,2-Dichloropropane	0.00064	U	0.0015	0.00064	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,3,5-Trimethylbenzene	0.00048	U	0.0015	0.00048	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,3-Dichlorobenzene	0.00056	U	0.0015	0.00056	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
1,4-Dichlorobenzene	0.00034	U	0.0015	0.00034	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
2-Butanone (MEK)	0.00056	U	0.0076	0.00056	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
2-Hexanone	0.0026	U	0.0076	0.0026	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
4-Methyl-2-pentanone (MIBK)	0.0024	U	0.0076	0.0024	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Acetone	**0.0088**	**J**	0.0091	0.0087	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Benzene	0.00039	U	0.0015	0.00039	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Bromoform	0.00065	U	0.0015	0.00065	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Bromomethane	0.0015	U	0.0030	0.0015	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Carbon disulfide	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Carbon tetrachloride	0.00059	U	0.0015	0.00059	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chlorobenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chlorobromomethane	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chlorodibromomethane	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chloroethane	0.00079	U	0.0015	0.00079	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Chloromethane	0.00066	U	0.0015	0.00066	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
cis-1,2-Dichloroethene	0.00054	U	0.0015	0.00054	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
cis-1,3-Dichloropropene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Cyclohexane	0.00034	U	0.0015	0.00034	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Dichlorobromomethane	0.00039	U	0.0015	0.00039	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Dichlorodifluoromethane	0.00051	U	0.0015	0.00051	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Ethylbenzene	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Ethylene Dibromide	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Isopropylbenzene	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Methyl acetate	0.0065	U	0.0076	0.0065	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Methyl tert-butyl ether	0.00078	U	0.0015	0.00078	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Methylcyclohexane	0.00076	U	0.0015	0.00076	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Methylene Chloride	0.0017	U	0.0030	0.0017	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
m-Xylene & p-Xylene	0.00026	U	0.0015	0.00026	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
n-Butylbenzene	0.00045	U	0.0015	0.00045	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
N-Propylbenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
o-Xylene	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
sec-Butylbenzene	0.00044	U	0.0015	0.00044	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Styrene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
tert-Butylbenzene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1

Client Sample ID: SB-11 (4-4.5)
Lab Sample ID: 460-255692-3

Date Collected: 04/05/22 09:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.00046	U	0.0015	0.00046	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Toluene	0.00036	U	0.0015	0.00036	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
trans-1,2-Dichloroethene	0.00037	U	0.0015	0.00037	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
trans-1,3-Dichloropropene	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Trichloroethene	0.00049	U	0.0015	0.00049	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Trichlorofluoromethane	0.00062	U	0.0015	0.00062	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Vinyl chloride	0.00083	U	0.0015	0.00083	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1
Xylenes, Total	0.00098	U	0.0030	0.00098	mg/Kg	☼	04/06/22 11:48	04/08/22 20:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:48*	*04/08/22 20:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*04/06/22 11:48*	*04/08/22 20:09*	*1*
4-Bromofluorobenzene	*96*		*70 - 139*	*04/06/22 11:48*	*04/08/22 20:09*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 11:48*	*04/08/22 20:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*04/06/22 11:48*	*04/08/22 20:09*	*1*

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255692-4

Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 98.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00038	U *+	0.0013	0.00038	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,1,2-Trichloroethane	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,1-Dichloroethene	0.00028	U *+	0.0013	0.00028	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2,4-Trichlorobenzene	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2,4-Trimethylbenzene	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2-Dibromo-3-Chloropropane	0.00058	U	0.0013	0.00058	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2-Dichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2-Dichloroethane	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,2-Dichloropropane	0.00053	U	0.0013	0.00053	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,3,5-Trimethylbenzene	0.00040	U	0.0013	0.00040	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,3-Dichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
1,4-Dichlorobenzene	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
2-Butanone (MEK)	0.00047	U	0.0063	0.00047	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
2-Hexanone	0.0022	U	0.0063	0.0022	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
4-Methyl-2-pentanone (MIBK)	0.0020	U	0.0063	0.0020	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Acetone	**0.018**		0.0076	0.0072	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Benzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Bromoform	0.00054	U	0.0013	0.00054	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Bromomethane	0.0013	U	0.0025	0.0013	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Carbon disulfide	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Carbon tetrachloride	0.00049	U	0.0013	0.00049	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Chlorobenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255692-4

Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 98.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Chlorodibromomethane	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Chloroethane	0.00066	U	0.0013	0.00066	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Chloroform	0.0012	U	0.0013	0.0012	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Chloromethane	0.00055	U	0.0013	0.00055	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
cis-1,2-Dichloroethene	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
cis-1,3-Dichloropropene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Dichlorobromomethane	0.00032	U	0.0013	0.00032	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Dichlorodifluoromethane	0.00043	U	0.0013	0.00043	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Ethylbenzene	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Isopropylbenzene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Methyl acetate	0.0054	U	0.0063	0.0054	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Methyl tert-butyl ether	0.00065	U	0.0013	0.00065	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Methylcyclohexane	0.00063	U	0.0013	0.00063	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Methylene Chloride	0.0014	U	0.0025	0.0014	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
m-Xylene & p-Xylene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
n-Butylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
N-Propylbenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
o-Xylene	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
sec-Butylbenzene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Styrene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
tert-Butylbenzene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Tetrachloroethene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Toluene	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
trans-1,2-Dichloroethene	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
trans-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Trichloroethene	0.00041	U	0.0013	0.00041	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Trichlorofluoromethane	0.00051	U	0.0013	0.00051	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Vinyl chloride	0.00069	U	0.0013	0.00069	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1
Xylenes, Total	0.00081	U	0.0025	0.00081	mg/Kg	☼	04/06/22 11:49	04/08/22 20:31	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:49*	*04/08/22 20:31*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*04/06/22 11:49*	*04/08/22 20:31*	*1*
4-Bromofluorobenzene	*94*		*70 - 139*	*04/06/22 11:49*	*04/08/22 20:31*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 11:49*	*04/08/22 20:31*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*04/06/22 11:49*	*04/08/22 20:31*	*1*

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255692-5

Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00024	U	0.0010	0.00024	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,1,2,2-Tetrachloroethane	0.00022	U	0.0010	0.00022	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1

Client Sample ID: SB-14 (4-5)
Date Collected: 04/05/22 10:00
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-5
Matrix: Solid
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00031	U *+	0.0010	0.00031	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,1,2-Trichloroethane	0.00019	U	0.0010	0.00019	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,1-Dichloroethene	0.00023	U *+	0.0010	0.00023	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2,3-Trichlorobenzene	0.00019	U	0.0010	0.00019	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2,4-Trichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2,4-Trimethylbenzene	0.00026	U	0.0010	0.00026	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2-Dibromo-3-Chloropropane	0.00048	U	0.0010	0.00048	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2-Dichlorobenzene	0.00038	U	0.0010	0.00038	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2-Dichloroethane	0.00031	U	0.0010	0.00031	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,2-Dichloropropane	0.00044	U	0.0010	0.00044	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,3,5-Trimethylbenzene	0.00033	U	0.0010	0.00033	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,3-Dichlorobenzene	0.00038	U	0.0010	0.00038	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
2-Butanone (MEK)	0.00038	U	0.0052	0.00038	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
2-Hexanone	0.0018	U	0.0052	0.0018	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0052	0.0016	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Acetone	**0.019**		0.0062	0.0060	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Benzene	0.00027	U	0.0010	0.00027	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Bromoform	0.00044	U	0.0010	0.00044	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Bromomethane	0.0010	U	0.0021	0.0010	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Carbon disulfide	0.00028	U	0.0010	0.00028	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Carbon tetrachloride	0.00040	U	0.0010	0.00040	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chlorobromomethane	0.00029	U	0.0010	0.00029	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chlorodibromomethane	0.00020	U	0.0010	0.00020	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chloroethane	0.00054	U	0.0010	0.00054	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chloroform	0.0010	U	0.0010	0.0010	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Chloromethane	0.00045	U	0.0010	0.00045	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
cis-1,2-Dichloroethene	0.00037	U	0.0010	0.00037	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
cis-1,3-Dichloropropene	0.00028	U	0.0010	0.00028	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Cyclohexane	0.00023	U	0.0010	0.00023	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Dichlorobromomethane	0.00027	U	0.0010	0.00027	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Dichlorodifluoromethane	0.00035	U	0.0010	0.00035	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Ethylene Dibromide	0.00019	U	0.0010	0.00019	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Isopropylbenzene	0.00030	U	0.0010	0.00030	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Methyl acetate	0.0045	U	0.0052	0.0045	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Methyl tert-butyl ether	0.00053	U	0.0010	0.00053	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Methylcyclohexane	0.00052	U	0.0010	0.00052	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Methylene Chloride	0.0012	U	0.0021	0.0012	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
m-Xylene & p-Xylene	**0.00027**	**J**	0.0010	0.00018	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
n-Butylbenzene	0.00031	U	0.0010	0.00031	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
N-Propylbenzene	0.00018	U	0.0010	0.00018	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
o-Xylene	**0.00021**	**J**	0.0010	0.00020	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
sec-Butylbenzene	0.00030	U	0.0010	0.00030	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Styrene	0.00029	U	0.0010	0.00029	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
tert-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Tetrachloroethene	**0.0016**		0.0010	0.00032	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255692-5
Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 91.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.00039**	**J**	0.0010	0.00024	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
trans-1,2-Dichloroethene	0.00026	U	0.0010	0.00026	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
trans-1,3-Dichloropropene	0.00028	U	0.0010	0.00028	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Trichloroethene	0.00033	U	0.0010	0.00033	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Trichlorofluoromethane	0.00042	U	0.0010	0.00042	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Vinyl chloride	0.00057	U	0.0010	0.00057	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1
Xylenes, Total	0.00067	U	0.0021	0.00067	mg/Kg	☼	04/06/22 11:51	04/08/22 20:53	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:51*	*04/08/22 20:53*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*04/06/22 11:51*	*04/08/22 20:53*	*1*
4-Bromofluorobenzene	*95*		*70 - 139*	*04/06/22 11:51*	*04/08/22 20:53*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 11:51*	*04/08/22 20:53*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*04/06/22 11:51*	*04/08/22 20:53*	*1*

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255692-6
Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,1,2,2-Tetrachloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00032	U *+	0.0011	0.00032	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,1,2-Trichloroethane	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,1-Dichloroethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,1-Dichloroethene	0.00024	U *+	0.0011	0.00024	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2,3-Trichlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2,4-Trichlorobenzene	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2,4-Trimethylbenzene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2-Dibromo-3-Chloropropane	0.00049	U	0.0011	0.00049	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2-Dichlorobenzene	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2-Dichloroethane	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,2-Dichloropropane	0.00045	U	0.0011	0.00045	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,3,5-Trimethylbenzene	0.00033	U	0.0011	0.00033	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,3-Dichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
1,4-Dichlorobenzene	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
2-Butanone (MEK)	0.00039	U	0.0053	0.00039	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
2-Hexanone	0.0018	U	0.0053	0.0018	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0053	0.0016	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Acetone	**0.032**		0.0064	0.0061	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Benzene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Bromoform	0.00045	U	0.0011	0.00045	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Bromomethane	0.0011	U	0.0021	0.0011	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Carbon disulfide	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Carbon tetrachloride	0.00041	U	0.0011	0.00041	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Chlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Chlorobromomethane	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255692-6

Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Chloroethane	0.00055	U	0.0011	0.00055	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Chloroform	0.0010	U	0.0011	0.0010	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Chloromethane	0.00046	U	0.0011	0.00046	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
cis-1,2-Dichloroethene	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
cis-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Cyclohexane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Dichlorobromomethane	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Dichlorodifluoromethane	0.00036	U	0.0011	0.00036	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Ethylbenzene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Ethylene Dibromide	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Isopropylbenzene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Methyl acetate	0.0046	U	0.0053	0.0046	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Methyl tert-butyl ether	0.00054	U	0.0011	0.00054	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Methylcyclohexane	0.00053	U	0.0011	0.00053	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Methylene Chloride	0.0012	U	0.0021	0.0012	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
m-Xylene & p-Xylene	0.00018	U	0.0011	0.00018	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
n-Butylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
N-Propylbenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
o-Xylene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
sec-Butylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Styrene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
tert-Butylbenzene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Tetrachloroethene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Toluene	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
trans-1,2-Dichloroethene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
trans-1,3-Dichloropropene	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Trichloroethene	0.00034	U	0.0011	0.00034	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Trichlorofluoromethane	0.00043	U	0.0011	0.00043	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Vinyl chloride	0.00058	U	0.0011	0.00058	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1
Xylenes, Total	0.00068	U	0.0021	0.00068	mg/Kg	☼	04/06/22 11:52	04/08/22 21:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:52*	*04/08/22 21:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*04/06/22 11:52*	*04/08/22 21:15*	*1*
4-Bromofluorobenzene	*97*		*70 - 139*	*04/06/22 11:52*	*04/08/22 21:15*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 11:52*	*04/08/22 21:15*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*04/06/22 11:52*	*04/08/22 21:15*	*1*

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255692-7

Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00022	U	0.00095	0.00022	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,1,2,2-Tetrachloroethane	0.00020	U	0.00095	0.00020	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00029	U *+	0.00095	0.00029	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1

Client Sample ID: SB-15 (3-5)
Date Collected: 04/05/22 10:45
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-7
Matrix: Solid
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,1-Dichloroethane	0.00020	U	0.00095	0.00020	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,1-Dichloroethene	0.00021	U *+	0.00095	0.00021	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2,3-Trichlorobenzene	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2,4-Trichlorobenzene	0.00034	U	0.00095	0.00034	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2,4-Trimethylbenzene	0.00023	U	0.00095	0.00023	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2-Dibromo-3-Chloropropane	0.00044	U	0.00095	0.00044	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2-Dichlorobenzene	0.00034	U	0.00095	0.00034	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2-Dichloroethane	0.00028	U	0.00095	0.00028	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,2-Dichloropropane	0.00040	U	0.00095	0.00040	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,3,5-Trimethylbenzene	0.00030	U	0.00095	0.00030	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,3-Dichlorobenzene	0.00035	U	0.00095	0.00035	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
1,4-Dichlorobenzene	0.00021	U	0.00095	0.00021	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
2-Butanone (MEK)	0.00035	U	0.0048	0.00035	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
2-Hexanone	0.0016	U	0.0048	0.0016	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0048	0.0015	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Acetone	**0.0083**		0.0057	0.0054	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Benzene	0.00025	U	0.00095	0.00025	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Bromoform	0.00040	U	0.00095	0.00040	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Bromomethane	0.00095	U	0.0019	0.00095	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Carbon disulfide	0.00025	U	0.00095	0.00025	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Carbon tetrachloride	0.00037	U	0.00095	0.00037	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chlorobenzene	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chlorobromomethane	0.00027	U	0.00095	0.00027	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chlorodibromomethane	0.00018	U	0.00095	0.00018	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chloroethane	0.00050	U	0.00095	0.00050	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chloroform	0.00092	U	0.00095	0.00092	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Chloromethane	0.00041	U	0.00095	0.00041	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
cis-1,2-Dichloroethene	0.00034	U	0.00095	0.00034	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
cis-1,3-Dichloropropene	0.00026	U	0.00095	0.00026	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Cyclohexane	0.00021	U	0.00095	0.00021	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Dichlorobromomethane	0.00024	U	0.00095	0.00024	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Dichlorodifluoromethane	0.00032	U	0.00095	0.00032	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Ethylbenzene	0.00019	U	0.00095	0.00019	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Ethylene Dibromide	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Isopropylbenzene	0.00027	U	0.00095	0.00027	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Methyl acetate	0.0041	U	0.0048	0.0041	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Methyl tert-butyl ether	0.00049	U	0.00095	0.00049	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Methylcyclohexane	0.00048	U	0.00095	0.00048	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Methylene Chloride	0.0011	U	0.0019	0.0011	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
m-Xylene & p-Xylene	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
n-Butylbenzene	0.00028	U	0.00095	0.00028	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
N-Propylbenzene	0.00017	U	0.00095	0.00017	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
o-Xylene	0.00018	U	0.00095	0.00018	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
sec-Butylbenzene	0.00027	U	0.00095	0.00027	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Styrene	0.00026	U	0.00095	0.00026	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
tert-Butylbenzene	0.00026	U	0.00095	0.00026	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Tetrachloroethene	**0.00065**	**J**	0.00095	0.00029	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Toluene	0.00022	U	0.00095	0.00022	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255692-7

Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.00023	U	0.00095	0.00023	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
trans-1,3-Dichloropropene	0.00025	U	0.00095	0.00025	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Trichloroethene	0.00031	U	0.00095	0.00031	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Trichlorofluoromethane	0.00039	U	0.00095	0.00039	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Vinyl chloride	0.00052	U	0.00095	0.00052	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1
Xylenes, Total	0.00061	U	0.0019	0.00061	mg/Kg	☼	04/06/22 11:53	04/08/22 21:37	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:53*	*04/08/22 21:37*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*04/06/22 11:53*	*04/08/22 21:37*	*1*
4-Bromofluorobenzene	*93*		*70 - 139*	*04/06/22 11:53*	*04/08/22 21:37*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*04/06/22 11:53*	*04/08/22 21:37*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*04/06/22 11:53*	*04/08/22 21:37*	*1*

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255692-8

Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00043	U	0.0018	0.00043	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,1,2,2-Tetrachloroethane	0.00039	U	0.0018	0.00039	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00055	U *+	0.0018	0.00055	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,1,2-Trichloroethane	0.00033	U	0.0018	0.00033	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,1-Dichloroethane	0.00038	U	0.0018	0.00038	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,1-Dichloroethene	0.00041	U *+	0.0018	0.00041	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2,3-Trichlorobenzene	0.00033	U	0.0018	0.00033	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2,4-Trichlorobenzene	0.00066	U	0.0018	0.00066	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2,4-Trimethylbenzene	0.00045	U	0.0018	0.00045	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2-Dibromo-3-Chloropropane	0.00085	U	0.0018	0.00085	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2-Dichlorobenzene	0.00066	U	0.0018	0.00066	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2-Dichloroethane	0.00054	U	0.0018	0.00054	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,2-Dichloropropane	0.00078	U	0.0018	0.00078	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,3,5-Trimethylbenzene	0.00058	U	0.0018	0.00058	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,3-Dichlorobenzene	0.00067	U	0.0018	0.00067	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
1,4-Dichlorobenzene	0.00041	U	0.0018	0.00041	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
2-Butanone (MEK)	0.00068	U	0.0092	0.00068	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
2-Hexanone	0.0031	U	0.0092	0.0031	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
4-Methyl-2-pentanone (MIBK)	0.0029	U	0.0092	0.0029	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Acetone	**0.041**		0.011	0.011	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Benzene	0.00047	U	0.0018	0.00047	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Bromoform	0.00078	U	0.0018	0.00078	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Bromomethane	0.0018	U	0.0037	0.0018	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Carbon disulfide	0.00049	U	0.0018	0.00049	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Carbon tetrachloride	0.00071	U	0.0018	0.00071	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Chlorobenzene	0.00033	U	0.0018	0.00033	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Chlorobromomethane	0.00052	U	0.0018	0.00052	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Chlorodibromomethane	0.00036	U	0.0018	0.00036	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255692-8

Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.00096	U	0.0018	0.00096	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Chloroform	0.0018	U	0.0018	0.0018	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Chloromethane	0.00080	U	0.0018	0.00080	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
cis-1,2-Dichloroethene	0.00066	U	0.0018	0.00066	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
cis-1,3-Dichloropropene	0.00050	U	0.0018	0.00050	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Cyclohexane	0.00041	U	0.0018	0.00041	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Dichlorobromomethane	0.00047	U	0.0018	0.00047	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Dichlorodifluoromethane	0.00062	U	0.0018	0.00062	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Ethylbenzene	0.00037	U	0.0018	0.00037	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Ethylene Dibromide	0.00033	U	0.0018	0.00033	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Isopropylbenzene	0.00052	U	0.0018	0.00052	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Methyl acetate	0.0079	U	0.0092	0.0079	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Methyl tert-butyl ether	0.00094	U	0.0018	0.00094	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Methylcyclohexane	0.00092	U	0.0018	0.00092	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Methylene Chloride	0.0021	U	0.0037	0.0021	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
m-Xylene & p-Xylene	0.00032	U	0.0018	0.00032	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
n-Butylbenzene	0.00054	U	0.0018	0.00054	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
N-Propylbenzene	0.00032	U	0.0018	0.00032	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
o-Xylene	0.00036	U	0.0018	0.00036	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
sec-Butylbenzene	0.00053	U	0.0018	0.00053	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Styrene	0.00051	U	0.0018	0.00051	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
tert-Butylbenzene	0.00051	U	0.0018	0.00051	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Tetrachloroethene	0.00056	U	0.0018	0.00056	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Toluene	0.00043	U	0.0018	0.00043	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
trans-1,2-Dichloroethene	0.00045	U	0.0018	0.00045	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
trans-1,3-Dichloropropene	0.00049	U	0.0018	0.00049	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Trichloroethene	0.00059	U	0.0018	0.00059	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Trichlorofluoromethane	0.00075	U	0.0018	0.00075	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Vinyl chloride	0.0010	U	0.0018	0.0010	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1
Xylenes, Total	0.0012	U	0.0037	0.0012	mg/Kg	☼	04/06/22 11:54	04/08/22 21:59	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:54*	*04/08/22 21:59*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*04/06/22 11:54*	*04/08/22 21:59*	*1*
4-Bromofluorobenzene	*90*		*70 - 139*	*04/06/22 11:54*	*04/08/22 21:59*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 11:54*	*04/08/22 21:59*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*04/06/22 11:54*	*04/08/22 21:59*	*1*

Client Sample ID: DUP
Lab Sample ID: 460-255692-9

Date Collected: 04/05/22 00:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,1,2,2-Tetrachloroethane	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00033	U *+	0.0011	0.00033	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,1,2-Trichloroethane	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1

Client Sample ID: DUP
Date Collected: 04/05/22 00:00
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-9
Matrix: Solid
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,1-Dichloroethene	0.00025	U *+	0.0011	0.00025	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2,3-Trichlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2,4-Trichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2,4-Trimethylbenzene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2-Dibromo-3-Chloropropane	0.00051	U	0.0011	0.00051	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2-Dichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2-Dichloroethane	0.00033	U	0.0011	0.00033	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,2-Dichloropropane	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,3,5-Trimethylbenzene	0.00035	U	0.0011	0.00035	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,3-Dichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
1,4-Dichlorobenzene	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
2-Butanone (MEK)	0.00041	U	0.0055	0.00041	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
2-Hexanone	0.0019	U	0.0055	0.0019	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
4-Methyl-2-pentanone (MIBK)	0.0017	U	0.0055	0.0017	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Acetone	**0.0078**		0.0066	0.0063	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Benzene	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Bromoform	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Bromomethane	0.0011	U	0.0022	0.0011	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Carbon disulfide	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Carbon tetrachloride	0.00043	U	0.0011	0.00043	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chlorobromomethane	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chlorodibromomethane	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chloroethane	0.00058	U	0.0011	0.00058	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Chloromethane	0.00048	U	0.0011	0.00048	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
cis-1,2-Dichloroethene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
cis-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Cyclohexane	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Dichlorobromomethane	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Dichlorodifluoromethane	0.00037	U	0.0011	0.00037	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Ethylbenzene	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Isopropylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Methyl acetate	0.0047	U	0.0055	0.0047	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Methyl tert-butyl ether	0.00056	U	0.0011	0.00056	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Methylcyclohexane	0.00055	U	0.0011	0.00055	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Methylene Chloride	0.0013	U	0.0022	0.0013	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
m-Xylene & p-Xylene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
n-Butylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
N-Propylbenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
o-Xylene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
sec-Butylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Styrene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
tert-Butylbenzene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Tetrachloroethene	**0.0048**		0.0011	0.00034	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Toluene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
trans-1,2-Dichloroethene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1

Client Sample ID: DUP
Lab Sample ID: 460-255692-9
Date Collected: 04/05/22 00:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 85.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Trichloroethene	0.00035	U	0.0011	0.00035	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Trichlorofluoromethane	0.00045	U	0.0011	0.00045	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Vinyl chloride	0.00060	U	0.0011	0.00060	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1
Xylenes, Total	0.00071	U	0.0022	0.00071	mg/Kg	☼	04/06/22 11:56	04/08/22 22:22	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:56*	*04/08/22 22:22*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*04/06/22 11:56*	*04/08/22 22:22*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*	*04/06/22 11:56*	*04/08/22 22:22*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*04/06/22 11:56*	*04/08/22 22:22*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*	*04/06/22 11:56*	*04/08/22 22:22*	*1*

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255692-10
Date Collected: 04/05/22 11:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,1,2,2-Tetrachloroethane	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00040	U *+	0.0013	0.00040	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,1,2-Trichloroethane	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,1-Dichloroethane	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,1-Dichloroethene	0.00030	U *+	0.0013	0.00030	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2,3-Trichlorobenzene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2,4-Trichlorobenzene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2,4-Trimethylbenzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2-Dibromo-3-Chloropropane	0.00062	U	0.0013	0.00062	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2-Dichlorobenzene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2-Dichloroethane	0.00040	U	0.0013	0.00040	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,2-Dichloropropane	0.00057	U	0.0013	0.00057	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,3,5-Trimethylbenzene	0.00042	U	0.0013	0.00042	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,3-Dichlorobenzene	0.00049	U	0.0013	0.00049	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
1,4-Dichlorobenzene	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
2-Butanone (MEK)	0.00049	U	0.0067	0.00049	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
2-Hexanone	0.0023	U	0.0067	0.0023	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
4-Methyl-2-pentanone (MIBK)	0.0021	U	0.0067	0.0021	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Acetone	**0.030**		0.0081	0.0077	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Benzene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Bromoform	0.00057	U	0.0013	0.00057	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Bromomethane	0.0013	U	0.0027	0.0013	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Carbon disulfide	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Carbon tetrachloride	0.00052	U	0.0013	0.00052	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Chlorobenzene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Chlorobromomethane	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Chlorodibromomethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Chloroethane	0.00070	U	0.0013	0.00070	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255692-10

Date Collected: 04/05/22 11:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 99.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.0013	U	0.0013	0.0013	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Chloromethane	0.00058	U	0.0013	0.00058	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
cis-1,2-Dichloroethene	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
cis-1,3-Dichloropropene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Cyclohexane	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Dichlorobromomethane	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Dichlorodifluoromethane	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Ethylbenzene	0.00027	U	0.0013	0.00027	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Ethylene Dibromide	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Isopropylbenzene	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Methyl acetate	0.0058	U	0.0067	0.0058	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Methyl tert-butyl ether	0.00069	U	0.0013	0.00069	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Methylcyclohexane	0.00067	U	0.0013	0.00067	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Methylene Chloride	0.0015	U	0.0027	0.0015	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
m-Xylene & p-Xylene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
n-Butylbenzene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
N-Propylbenzene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
o-Xylene	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
sec-Butylbenzene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Styrene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
tert-Butylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Tetrachloroethene	0.00041	U	0.0013	0.00041	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Toluene	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
trans-1,2-Dichloroethene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
trans-1,3-Dichloropropene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Trichloroethene	0.00043	U	0.0013	0.00043	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Trichlorofluoromethane	0.00055	U	0.0013	0.00055	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Vinyl chloride	0.00073	U	0.0013	0.00073	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1
Xylenes, Total	0.00086	U	0.0027	0.00086	mg/Kg	☼	04/06/22 11:57	04/08/22 22:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:57*	*04/08/22 22:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*04/06/22 11:57*	*04/08/22 22:45*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*04/06/22 11:57*	*04/08/22 22:45*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*04/06/22 11:57*	*04/08/22 22:45*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*04/06/22 11:57*	*04/08/22 22:45*	*1*

Client Sample ID: SB-9 (7-7.5)
Lab Sample ID: 460-255692-11

Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00039	U *+	0.0013	0.00039	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,1,2-Trichloroethane	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1

Client Sample ID: SB-9 (7-7.5)
Lab Sample ID: 460-255692-11

Date Collected: 04/05/22 11:20
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 97.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.00029	U *+	0.0013	0.00029	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2,4-Trichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2,4-Trimethylbenzene	0.00032	U	0.0013	0.00032	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2-Dibromo-3-Chloropropane	0.00059	U	0.0013	0.00059	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2-Dichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2-Dichloroethane	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,2-Dichloropropane	0.00054	U	0.0013	0.00054	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,3,5-Trimethylbenzene	0.00040	U	0.0013	0.00040	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,3-Dichlorobenzene	0.00047	U	0.0013	0.00047	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
1,4-Dichlorobenzene	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
2-Butanone (MEK)	0.00047	U	0.0064	0.00047	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
2-Hexanone	0.0022	U	0.0064	0.0022	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
4-Methyl-2-pentanone (MIBK)	0.0020	U	0.0064	0.0020	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Acetone	**0.033**		0.0077	0.0073	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Benzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Bromoform	0.00055	U	0.0013	0.00055	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Bromomethane	0.0013	U	0.0026	0.0013	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Carbon disulfide	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Carbon tetrachloride	0.00050	U	0.0013	0.00050	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chlorobromomethane	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chlorodibromomethane	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chloroethane	0.00067	U	0.0013	0.00067	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chloroform	0.0012	U	0.0013	0.0012	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Chloromethane	0.00056	U	0.0013	0.00056	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
cis-1,2-Dichloroethene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
cis-1,3-Dichloropropene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Dichlorobromomethane	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Dichlorodifluoromethane	0.00043	U	0.0013	0.00043	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Ethylbenzene	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Isopropylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Methyl acetate	0.0055	U	0.0064	0.0055	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Methyl tert-butyl ether	0.00066	U	0.0013	0.00066	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Methylcyclohexane	0.00064	U	0.0013	0.00064	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Methylene Chloride	0.0015	U	0.0026	0.0015	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
m-Xylene & p-Xylene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
n-Butylbenzene	0.00038	U	0.0013	0.00038	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
N-Propylbenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
o-Xylene	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
sec-Butylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Styrene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
tert-Butylbenzene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Tetrachloroethene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Toluene	0.00030	U	0.0013	0.00030	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
trans-1,2-Dichloroethene	0.00032	U	0.0013	0.00032	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
trans-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1

Client Sample ID: SB-9 (7-7.5)
Lab Sample ID: 460-255692-11
Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.00041	U	0.0013	0.00041	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Trichlorofluoromethane	0.00052	U	0.0013	0.00052	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Vinyl chloride	0.00070	U	0.0013	0.00070	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1
Xylenes, Total	0.00082	U	0.0026	0.00082	mg/Kg	☼	04/06/22 11:58	04/08/22 23:06	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 11:58*	*04/08/22 23:06*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*	*04/06/22 11:58*	*04/08/22 23:06*	*1*
4-Bromofluorobenzene	*94*		*70 - 139*	*04/06/22 11:58*	*04/08/22 23:06*	*1*
Dibromofluoromethane (Surr)	*106*		*48 - 150*	*04/06/22 11:58*	*04/08/22 23:06*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*	*04/06/22 11:58*	*04/08/22 23:06*	*1*

Client Sample ID: SB-12 (0-5)
Lab Sample ID: 460-255692-12
Date Collected: 04/05/22 12:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00036	U	0.0015	0.00036	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,1,2,2-Tetrachloroethane	0.00033	U	0.0015	0.00033	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00046	U *+	0.0015	0.00046	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,1,2-Trichloroethane	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,1-Dichloroethane	0.00032	U	0.0015	0.00032	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,1-Dichloroethene	0.00035	U *+	0.0015	0.00035	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2,3-Trichlorobenzene	0.00028	U	0.0015	0.00028	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2,4-Trichlorobenzene	0.00055	U	0.0015	0.00055	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2,4-Trimethylbenzene	0.00038	U	0.0015	0.00038	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2-Dibromo-3-Chloropropane	0.00071	U	0.0015	0.00071	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2-Dichlorobenzene	0.00056	U	0.0015	0.00056	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2-Dichloroethane	0.00046	U	0.0015	0.00046	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,2-Dichloropropane	0.00065	U	0.0015	0.00065	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,3,5-Trimethylbenzene	0.00048	U	0.0015	0.00048	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,3-Dichlorobenzene	0.00056	U	0.0015	0.00056	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
1,4-Dichlorobenzene	0.00035	U	0.0015	0.00035	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
2-Butanone (MEK)	0.00057	U	0.0077	0.00057	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
2-Hexanone	0.0026	U	0.0077	0.0026	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
4-Methyl-2-pentanone (MIBK)	0.0024	U	0.0077	0.0024	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Acetone	**0.012**		0.0092	0.0088	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Benzene	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Bromoform	0.00065	U	0.0015	0.00065	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Bromomethane	0.0015	U	0.0031	0.0015	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Carbon disulfide	0.00041	U	0.0015	0.00041	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Carbon tetrachloride	0.00060	U	0.0015	0.00060	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Chlorobenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Chlorobromomethane	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Chlorodibromomethane	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Chloroethane	0.00080	U	0.0015	0.00080	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1

Client Sample ID: SB-12 (0-5)
Lab Sample ID: 460-255692-12

Date Collected: 04/05/22 12:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00067	U	0.0015	0.00067	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
cis-1,2-Dichloroethene	0.00055	U	0.0015	0.00055	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
cis-1,3-Dichloropropene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Cyclohexane	0.00034	U	0.0015	0.00034	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Dichlorobromomethane	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Dichlorodifluoromethane	0.00052	U	0.0015	0.00052	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Ethylbenzene	0.00031	U	0.0015	0.00031	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Ethylene Dibromide	0.00028	U	0.0015	0.00028	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Isopropylbenzene	0.00044	U	0.0015	0.00044	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Methyl acetate	0.0066	U	0.0077	0.0066	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Methyl tert-butyl ether	0.00079	U	0.0015	0.00079	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Methylcyclohexane	0.00077	U	0.0015	0.00077	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Methylene Chloride	0.0018	U	0.0031	0.0018	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
m-Xylene & p-Xylene	**0.00028**	**J**	0.0015	0.00027	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
n-Butylbenzene	0.00045	U	0.0015	0.00045	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
N-Propylbenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
o-Xylene	**0.00034**	**J**	0.0015	0.00030	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
sec-Butylbenzene	0.00044	U	0.0015	0.00044	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Styrene	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
tert-Butylbenzene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Tetrachloroethene	**0.016**		0.0015	0.00047	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Toluene	0.00036	U	0.0015	0.00036	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
trans-1,2-Dichloroethene	0.00038	U	0.0015	0.00038	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
trans-1,3-Dichloropropene	0.00041	U	0.0015	0.00041	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Trichloroethene	0.00049	U	0.0015	0.00049	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Trichlorofluoromethane	0.00062	U	0.0015	0.00062	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Vinyl chloride	0.00084	U	0.0015	0.00084	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1
Xylenes, Total	0.00099	U	0.0031	0.00099	mg/Kg	☼	04/06/22 12:00	04/08/22 23:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:00*	*04/08/22 23:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*	*04/06/22 12:00*	*04/08/22 23:28*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*04/06/22 12:00*	*04/08/22 23:28*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*04/06/22 12:00*	*04/08/22 23:28*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*04/06/22 12:00*	*04/08/22 23:28*	*1*

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255692-13

Date Collected: 04/05/22 11:50
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.00099	0.00023	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.00099	0.00021	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U *+	0.00099	0.00030	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,1,2-Trichloroethane	0.00018	U	0.00099	0.00018	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,1-Dichloroethane	0.00020	U	0.00099	0.00020	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,1-Dichloroethene	0.00022	U *+	0.00099	0.00022	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255692-13

Date Collected: 04/05/22 11:50
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.00018	U	0.00099	0.00018	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2,4-Trichlorobenzene	0.00035	U	0.00099	0.00035	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2,4-Trimethylbenzene	0.00024	U	0.00099	0.00024	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.00099	0.00046	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2-Dichlorobenzene	0.00036	U	0.00099	0.00036	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2-Dichloroethane	0.00029	U	0.00099	0.00029	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,2-Dichloropropane	0.00042	U	0.00099	0.00042	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,3,5-Trimethylbenzene	0.00031	U	0.00099	0.00031	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,3-Dichlorobenzene	0.00036	U	0.00099	0.00036	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
1,4-Dichlorobenzene	0.00022	U	0.00099	0.00022	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
2-Butanone (MEK)	0.00036	U	0.0049	0.00036	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
2-Hexanone	0.0017	U	0.0049	0.0017	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0049	0.0015	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Acetone	**0.015**		0.0059	0.0057	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Benzene	0.00026	U	0.00099	0.00026	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Bromoform	0.00042	U	0.00099	0.00042	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Bromomethane	0.00099	U	0.0020	0.00099	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Carbon disulfide	0.00026	U	0.00099	0.00026	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Carbon tetrachloride	0.00038	U	0.00099	0.00038	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chlorobenzene	0.00018	U	0.00099	0.00018	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chlorobromomethane	0.00028	U	0.00099	0.00028	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chlorodibromomethane	0.00019	U	0.00099	0.00019	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chloroethane	0.00052	U	0.00099	0.00052	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chloroform	0.00096	U	0.00099	0.00096	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Chloromethane	0.00043	U	0.00099	0.00043	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
cis-1,2-Dichloroethene	0.00035	U	0.00099	0.00035	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
cis-1,3-Dichloropropene	0.00027	U	0.00099	0.00027	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Cyclohexane	0.00022	U	0.00099	0.00022	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Dichlorobromomethane	0.00025	U	0.00099	0.00025	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Dichlorodifluoromethane	0.00033	U	0.00099	0.00033	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Ethylbenzene	0.00020	U	0.00099	0.00020	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Ethylene Dibromide	0.00018	U	0.00099	0.00018	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Isopropylbenzene	0.00028	U	0.00099	0.00028	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Methyl acetate	0.0043	U	0.0049	0.0043	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Methyl tert-butyl ether	0.00051	U	0.00099	0.00051	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Methylcyclohexane	0.00049	U	0.00099	0.00049	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
m-Xylene & p-Xylene	0.00017	U	0.00099	0.00017	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
n-Butylbenzene	0.00029	U	0.00099	0.00029	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
N-Propylbenzene	0.00017	U	0.00099	0.00017	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
o-Xylene	0.00019	U	0.00099	0.00019	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
sec-Butylbenzene	0.00029	U	0.00099	0.00029	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Styrene	0.00028	U	0.00099	0.00028	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
tert-Butylbenzene	0.00027	U	0.00099	0.00027	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Tetrachloroethene	**0.00077**	**J**	0.00099	0.00030	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Toluene	0.00023	U	0.00099	0.00023	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
trans-1,2-Dichloroethene	0.00024	U	0.00099	0.00024	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
trans-1,3-Dichloropropene	0.00026	U	0.00099	0.00026	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Trichloroethene	0.00032	U	0.00099	0.00032	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255692-13
Date Collected: 04/05/22 11:50
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	0.00040	U	0.00099	0.00040	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Vinyl chloride	0.00054	U	0.00099	0.00054	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1
Xylenes, Total	0.00064	U	0.0020	0.00064	mg/Kg	☼	04/06/22 12:01	04/08/22 23:51	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:01*	*04/08/22 23:51*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*04/06/22 12:01*	*04/08/22 23:51*	*1*
4-Bromofluorobenzene	*95*		*70 - 139*	*04/06/22 12:01*	*04/08/22 23:51*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*04/06/22 12:01*	*04/08/22 23:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*	*04/06/22 12:01*	*04/08/22 23:51*	*1*

Client Sample ID: SB-12 (15-15.5)
Lab Sample ID: 460-255692-14
Date Collected: 04/05/22 12:05
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,1,2,2-Tetrachloroethane	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00033	U *+	0.0011	0.00033	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,1,2-Trichloroethane	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,1-Dichloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,1-Dichloroethene	0.00025	U *+	0.0011	0.00025	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2,3-Trichlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2,4-Trichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2,4-Trimethylbenzene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2-Dibromo-3-Chloropropane	0.00051	U	0.0011	0.00051	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2-Dichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2-Dichloroethane	0.00033	U	0.0011	0.00033	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,2-Dichloropropane	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,3,5-Trimethylbenzene	0.00035	U	0.0011	0.00035	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,3-Dichlorobenzene	0.00041	U	0.0011	0.00041	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
1,4-Dichlorobenzene	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
2-Butanone (MEK)	0.00041	U	0.0055	0.00041	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
2-Hexanone	0.0019	U	0.0055	0.0019	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
4-Methyl-2-pentanone (MIBK)	0.0017	U	0.0055	0.0017	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Acetone	**0.035**		0.0067	0.0063	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Benzene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Bromoform	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Bromomethane	0.0011	U	0.0022	0.0011	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Carbon disulfide	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Carbon tetrachloride	0.00043	U	0.0011	0.00043	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chlorobromomethane	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chlorodibromomethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chloroethane	0.00058	U	0.0011	0.00058	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Chloromethane	0.00048	U	0.0011	0.00048	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1

Client Sample ID: SB-12 (15-15.5)
Lab Sample ID: 460-255692-14

Date Collected: 04/05/22 12:05
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
cis-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Cyclohexane	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Dichlorobromomethane	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Dichlorodifluoromethane	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Ethylbenzene	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Isopropylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Methyl acetate	0.0048	U	0.0055	0.0048	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Methyl tert-butyl ether	0.00057	U	0.0011	0.00057	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Methylcyclohexane	0.00055	U	0.0011	0.00055	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Methylene Chloride	0.0013	U	0.0022	0.0013	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
m-Xylene & p-Xylene	**0.00020**	**J**	0.0011	0.00019	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
n-Butylbenzene	0.00033	U	0.0011	0.00033	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
N-Propylbenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
o-Xylene	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
sec-Butylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Styrene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
tert-Butylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Tetrachloroethene	0.00034	U	0.0011	0.00034	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Toluene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
trans-1,2-Dichloroethene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
trans-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Trichloroethene	0.00036	U	0.0011	0.00036	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Trichlorofluoromethane	0.00045	U	0.0011	0.00045	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Vinyl chloride	0.00061	U	0.0011	0.00061	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1
Xylenes, Total	0.00071	U	0.0022	0.00071	mg/Kg	☼	04/06/22 12:02	04/09/22 00:13	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown	*0.0057*	*J*	*mg/Kg*	☼	*2.38*		*04/06/22 12:02*	*04/09/22 00:13*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 145*	*04/06/22 12:02*	*04/09/22 00:13*	*1*
4-Bromofluorobenzene	*99*		*70 - 139*	*04/06/22 12:02*	*04/09/22 00:13*	*1*
Dibromofluoromethane (Surr)	*108*		*48 - 150*	*04/06/22 12:02*	*04/09/22 00:13*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*04/06/22 12:02*	*04/09/22 00:13*	*1*

Client Sample ID: SB-10 (2.5-5)
Lab Sample ID: 460-255692-15

Date Collected: 04/05/22 12:30
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0012	0.00029	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0012	0.00027	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U *+	0.0012	0.00037	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,1-Dichloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,1-Dichloroethene	0.00028	U *+	0.0012	0.00028	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2,3-Trichlorobenzene	0.00023	U	0.0012	0.00023	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1

Client Sample ID: SB-10 (2.5-5)
Date Collected: 04/05/22 12:30
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-15
Matrix: Solid
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.00045	U	0.0012	0.00045	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2,4-Trimethylbenzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2-Dibromo-3-Chloropropane	0.00057	U	0.0012	0.00057	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2-Dichlorobenzene	0.00045	U	0.0012	0.00045	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2-Dichloroethane	0.00037	U	0.0012	0.00037	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,2-Dichloropropane	0.00053	U	0.0012	0.00053	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,3,5-Trimethylbenzene	0.00039	U	0.0012	0.00039	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,3-Dichlorobenzene	0.00045	U	0.0012	0.00045	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
1,4-Dichlorobenzene	0.00028	U	0.0012	0.00028	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
2-Butanone (MEK)	0.00046	U	0.0062	0.00046	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
2-Hexanone	0.0021	U	0.0062	0.0021	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0062	0.0019	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Acetone	**0.033**		0.0075	0.0071	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Benzene	0.00032	U	0.0012	0.00032	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Bromoform	0.00053	U	0.0012	0.00053	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Bromomethane	0.0012	U	0.0025	0.0012	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Carbon disulfide	0.00033	U	0.0012	0.00033	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Carbon tetrachloride	0.00048	U	0.0012	0.00048	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chlorobromomethane	0.00035	U	0.0012	0.00035	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chloroethane	0.00065	U	0.0012	0.00065	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Chloromethane	0.00054	U	0.0012	0.00054	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
cis-1,2-Dichloroethene	0.00045	U	0.0012	0.00045	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
cis-1,3-Dichloropropene	0.00034	U	0.0012	0.00034	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Cyclohexane	0.00028	U	0.0012	0.00028	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Dichlorobromomethane	0.00032	U	0.0012	0.00032	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Dichlorodifluoromethane	0.00042	U	0.0012	0.00042	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Ethylbenzene	0.00025	U	0.0012	0.00025	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Isopropylbenzene	0.00035	U	0.0012	0.00035	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Methyl acetate	0.0054	U	0.0062	0.0054	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Methyl tert-butyl ether	0.00064	U	0.0012	0.00064	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Methylcyclohexane	0.00062	U	0.0012	0.00062	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Methylene Chloride	0.0014	U	0.0025	0.0014	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
m-Xylene & p-Xylene	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
n-Butylbenzene	0.00037	U	0.0012	0.00037	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
N-Propylbenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
sec-Butylbenzene	0.00036	U	0.0012	0.00036	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Styrene	0.00035	U	0.0012	0.00035	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
tert-Butylbenzene	0.00034	U	0.0012	0.00034	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Tetrachloroethene	**0.024**		0.0012	0.00038	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Toluene	0.00029	U	0.0012	0.00029	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
trans-1,2-Dichloroethene	0.00031	U	0.0012	0.00031	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
trans-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Trichloroethene	0.00040	U	0.0012	0.00040	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Trichlorofluoromethane	0.00051	U	0.0012	0.00051	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1

Client Sample ID: SB-10 (2.5-5)
Lab Sample ID: 460-255692-15
Date Collected: 04/05/22 12:30
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.00068	U	0.0012	0.00068	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1
Xylenes, Total	0.00080	U	0.0025	0.00080	mg/Kg	☼	04/06/22 12:03	04/09/22 00:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:03*	*04/09/22 00:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*04/06/22 12:03*	*04/09/22 00:34*	*1*
4-Bromofluorobenzene	*94*		*70 - 139*	*04/06/22 12:03*	*04/09/22 00:34*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*	*04/06/22 12:03*	*04/09/22 00:34*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*04/06/22 12:03*	*04/09/22 00:34*	*1*

Client Sample ID: SB-10 (7-7.5)
Lab Sample ID: 460-255692-16
Date Collected: 04/05/22 12:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00038	U *+	0.0013	0.00038	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,1,2-Trichloroethane	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,1-Dichloroethene	0.00028	U *+	0.0013	0.00028	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2,4-Trichlorobenzene	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2,4-Trimethylbenzene	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2-Dibromo-3-Chloropropane	0.00058	U	0.0013	0.00058	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2-Dichlorobenzene	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2-Dichloroethane	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,2-Dichloropropane	0.00053	U	0.0013	0.00053	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,3,5-Trimethylbenzene	0.00039	U	0.0013	0.00039	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,3-Dichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
1,4-Dichlorobenzene	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
2-Butanone (MEK)	0.00046	U	0.0063	0.00046	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
2-Hexanone	0.0021	U	0.0063	0.0021	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0063	0.0019	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Acetone	**0.049**		0.0075	0.0072	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Benzene	0.00032	U	0.0013	0.00032	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Bromoform	0.00053	U	0.0013	0.00053	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Bromomethane	0.0013	U	0.0025	0.0013	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Carbon disulfide	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Carbon tetrachloride	0.00048	U	0.0013	0.00048	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chlorobenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chlorobromomethane	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chlorodibromomethane	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chloroethane	0.00065	U	0.0013	0.00065	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chloroform	0.0012	U	0.0013	0.0012	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Chloromethane	0.00054	U	0.0013	0.00054	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
cis-1,2-Dichloroethene	0.00045	U	0.0013	0.00045	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1

Client Sample ID: SB-10 (7-7.5)
Lab Sample ID: 460-255692-16

Date Collected: 04/05/22 12:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 96.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Dichlorobromomethane	0.00032	U	0.0013	0.00032	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Dichlorodifluoromethane	0.00042	U	0.0013	0.00042	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Ethylbenzene	0.00025	U	0.0013	0.00025	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Isopropylbenzene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Methyl acetate	0.0054	U	0.0063	0.0054	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Methyl tert-butyl ether	0.00064	U	0.0013	0.00064	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Methylcyclohexane	0.00062	U	0.0013	0.00062	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Methylene Chloride	0.0014	U	0.0025	0.0014	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
m-Xylene & p-Xylene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
n-Butylbenzene	0.00037	U	0.0013	0.00037	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
N-Propylbenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
o-Xylene	0.00024	U	0.0013	0.00024	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
sec-Butylbenzene	0.00036	U	0.0013	0.00036	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Styrene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
tert-Butylbenzene	0.00035	U	0.0013	0.00035	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Tetrachloroethene	**0.00080**	**J**	0.0013	0.00038	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Toluene	0.00029	U	0.0013	0.00029	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
trans-1,2-Dichloroethene	0.00031	U	0.0013	0.00031	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
trans-1,3-Dichloropropene	0.00033	U	0.0013	0.00033	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Trichloroethene	0.00040	U	0.0013	0.00040	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Trichlorofluoromethane	0.00051	U	0.0013	0.00051	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Vinyl chloride	0.00068	U	0.0013	0.00068	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1
Xylenes, Total	0.00080	U	0.0025	0.00080	mg/Kg	☼	04/06/22 12:05	04/09/22 00:56	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:05*	*04/09/22 00:56*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 145*	*04/06/22 12:05*	*04/09/22 00:56*	*1*
4-Bromofluorobenzene	*96*		*70 - 139*	*04/06/22 12:05*	*04/09/22 00:56*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*	*04/06/22 12:05*	*04/09/22 00:56*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*	*04/06/22 12:05*	*04/09/22 00:56*	*1*

Client Sample ID: SB-10 (15-15.5)
Lab Sample ID: 460-255692-17

Date Collected: 04/05/22 12:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00032	U	0.0014	0.00032	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,1,2,2-Tetrachloroethane	0.00029	U	0.0014	0.00029	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00041	U *+	0.0014	0.00041	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,1,2-Trichloroethane	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,1-Dichloroethane	0.00028	U	0.0014	0.00028	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,1-Dichloroethene	0.00031	U *+	0.0014	0.00031	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2,3-Trichlorobenzene	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2,4-Trichlorobenzene	0.00049	U	0.0014	0.00049	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1

Client Sample ID: SB-10 (15-15.5)
Date Collected: 04/05/22 12:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-17
Matrix: Solid
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	0.00034	U	0.0014	0.00034	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2-Dibromo-3-Chloropropane	0.00063	U	0.0014	0.00063	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2-Dichlorobenzene	0.00049	U	0.0014	0.00049	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2-Dichloroethane	0.00041	U	0.0014	0.00041	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,2-Dichloropropane	0.00058	U	0.0014	0.00058	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,3,5-Trimethylbenzene	0.00043	U	0.0014	0.00043	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,3-Dichlorobenzene	0.00050	U	0.0014	0.00050	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
1,4-Dichlorobenzene	0.00031	U	0.0014	0.00031	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
2-Butanone (MEK)	0.00050	U	0.0069	0.00050	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
2-Hexanone	0.0023	U	0.0069	0.0023	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
4-Methyl-2-pentanone (MIBK)	0.0021	U	0.0069	0.0021	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Acetone	**0.051**		0.0082	0.0078	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Benzene	0.00035	U	0.0014	0.00035	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Bromoform	0.00058	U	0.0014	0.00058	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Bromomethane	0.0014	U	0.0027	0.0014	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Carbon disulfide	0.00036	U	0.0014	0.00036	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Carbon tetrachloride	0.00053	U	0.0014	0.00053	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chlorobenzene	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chlorobromomethane	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chlorodibromomethane	0.00027	U	0.0014	0.00027	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chloroethane	0.00072	U	0.0014	0.00072	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chloroform	0.0013	U	0.0014	0.0013	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Chloromethane	0.00060	U	0.0014	0.00060	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
cis-1,2-Dichloroethene	0.00049	U	0.0014	0.00049	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
cis-1,3-Dichloropropene	0.00037	U	0.0014	0.00037	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Cyclohexane	0.00030	U	0.0014	0.00030	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Dichlorobromomethane	0.00035	U	0.0014	0.00035	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Dichlorodifluoromethane	0.00046	U	0.0014	0.00046	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Ethylbenzene	0.00027	U	0.0014	0.00027	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Ethylene Dibromide	0.00025	U	0.0014	0.00025	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Isopropylbenzene	0.00039	U	0.0014	0.00039	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Methyl acetate	0.0059	U	0.0069	0.0059	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Methyl tert-butyl ether	0.00070	U	0.0014	0.00070	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Methylcyclohexane	0.00068	U	0.0014	0.00068	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Methylene Chloride	0.0016	U	0.0027	0.0016	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
m-Xylene & p-Xylene	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
n-Butylbenzene	0.00040	U	0.0014	0.00040	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
N-Propylbenzene	0.00024	U	0.0014	0.00024	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
o-Xylene	0.00027	U	0.0014	0.00027	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
sec-Butylbenzene	0.00039	U	0.0014	0.00039	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Styrene	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
tert-Butylbenzene	0.00038	U	0.0014	0.00038	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Tetrachloroethene	**0.00092**	**J**	0.0014	0.00042	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Toluene	0.00032	U	0.0014	0.00032	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
trans-1,2-Dichloroethene	0.00034	U	0.0014	0.00034	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
trans-1,3-Dichloropropene	0.00036	U	0.0014	0.00036	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Trichloroethene	0.00044	U	0.0014	0.00044	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Trichlorofluoromethane	0.00056	U	0.0014	0.00056	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1
Vinyl chloride	0.00075	U	0.0014	0.00075	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1

Client Sample ID: SB-10 (15-15.5)
Lab Sample ID: 460-255692-17

Date Collected: 04/05/22 12:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.00088	U	0.0027	0.00088	mg/Kg	☼	04/06/22 12:06	04/09/22 01:19	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:06*	*04/09/22 01:19*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*	*04/06/22 12:06*	*04/09/22 01:19*	*1*
4-Bromofluorobenzene	*90*		*70 - 139*	*04/06/22 12:06*	*04/09/22 01:19*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*04/06/22 12:06*	*04/09/22 01:19*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*04/06/22 12:06*	*04/09/22 01:19*	*1*

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255692-18

Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00036	U *+	0.0012	0.00036	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,1,2-Trichloroethane	0.00021	U	0.0012	0.00021	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,1-Dichloroethene	0.00027	U *+	0.0012	0.00027	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2,4-Trimethylbenzene	0.00030	U	0.0012	0.00030	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2-Dibromo-3-Chloropropane	0.00055	U	0.0012	0.00055	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2-Dichlorobenzene	0.00044	U	0.0012	0.00044	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,3,5-Trimethylbenzene	0.00038	U	0.0012	0.00038	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,3-Dichlorobenzene	0.00044	U	0.0012	0.00044	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
2-Butanone (MEK)	0.00044	U	0.0060	0.00044	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
2-Hexanone	0.0021	U	0.0060	0.0021	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0060	0.0019	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Acetone	**0.016**		0.0072	0.0069	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Bromoform	0.00051	U	0.0012	0.00051	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Bromomethane	0.0012	U	0.0024	0.0012	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chlorodibromomethane	0.00023	U	0.0012	0.00023	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chloroform	0.0012	U	0.0012	0.0012	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Chloromethane	0.00052	U	0.0012	0.00052	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
cis-1,2-Dichloroethene	0.00043	U	0.0012	0.00043	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255692-18

Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Isopropylbenzene	0.00034	U	0.0012	0.00034	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Methyl acetate	0.0052	U	0.0060	0.0052	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Methyl tert-butyl ether	0.00062	U	0.0012	0.00062	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Methylcyclohexane	0.00060	U	0.0012	0.00060	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Methylene Chloride	0.0014	U	0.0024	0.0014	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
n-Butylbenzene	0.00035	U	0.0012	0.00035	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
N-Propylbenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
o-Xylene	0.00023	U	0.0012	0.00023	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
sec-Butylbenzene	0.00035	U	0.0012	0.00035	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
tert-Butylbenzene	0.00033	U	0.0012	0.00033	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Tetrachloroethene	**0.023**		0.0012	0.00037	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Toluene	**0.00040**	**J**	0.0012	0.00028	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Trichloroethene	0.00039	U	0.0012	0.00039	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1
Xylenes, Total	0.00077	U	0.0024	0.00077	mg/Kg	☼	04/06/22 12:07	04/09/22 01:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:07*	*04/09/22 01:42*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 145*	*04/06/22 12:07*	*04/09/22 01:42*	*1*
4-Bromofluorobenzene	*96*		*70 - 139*	*04/06/22 12:07*	*04/09/22 01:42*	*1*
Dibromofluoromethane (Surr)	*111*		*48 - 150*	*04/06/22 12:07*	*04/09/22 01:42*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*	*04/06/22 12:07*	*04/09/22 01:42*	*1*

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255692-19

Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,1,2,2-Tetrachloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00032	U *+	0.0011	0.00032	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,1,2-Trichloroethane	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,1-Dichloroethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,1-Dichloroethene	0.00024	U *+	0.0011	0.00024	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2,3-Trichlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2,4-Trichlorobenzene	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2,4-Trimethylbenzene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255692-19

Date Collected: 04/05/22 13:00
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 83.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.00049	U	0.0011	0.00049	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2-Dichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2-Dichloroethane	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,2-Dichloropropane	0.00045	U	0.0011	0.00045	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,3,5-Trimethylbenzene	0.00034	U	0.0011	0.00034	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,3-Dichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
1,4-Dichlorobenzene	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
2-Butanone (MEK)	0.00040	U	0.0054	0.00040	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
2-Hexanone	0.0018	U	0.0054	0.0018	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
4-Methyl-2-pentanone (MIBK)	0.0017	U	0.0054	0.0017	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Acetone	**0.0082**		0.0064	0.0061	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Benzene	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Bromoform	0.00046	U	0.0011	0.00046	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Bromomethane	0.0011	U	0.0021	0.0011	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Carbon disulfide	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Carbon tetrachloride	0.00042	U	0.0011	0.00042	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chlorobromomethane	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chlorodibromomethane	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chloroethane	0.00056	U	0.0011	0.00056	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chloroform	0.0010	U	0.0011	0.0010	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Chloromethane	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
cis-1,2-Dichloroethene	0.00038	U	0.0011	0.00038	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
cis-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Cyclohexane	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Dichlorobromomethane	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Dichlorodifluoromethane	0.00036	U	0.0011	0.00036	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Ethylbenzene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Ethylene Dibromide	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Isopropylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Methyl acetate	0.0046	U	0.0054	0.0046	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Methyl tert-butyl ether	0.00055	U	0.0011	0.00055	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Methylcyclohexane	0.00054	U	0.0011	0.00054	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Methylene Chloride	0.0012	U	0.0021	0.0012	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
m-Xylene & p-Xylene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
n-Butylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
N-Propylbenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
o-Xylene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
sec-Butylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Styrene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
tert-Butylbenzene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Tetrachloroethene	**0.00048**	**J**	0.0011	0.00033	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Toluene	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
trans-1,2-Dichloroethene	0.00026	U	0.0011	0.00026	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
trans-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Trichloroethene	0.00034	U	0.0011	0.00034	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Trichlorofluoromethane	0.00044	U	0.0011	0.00044	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Vinyl chloride	0.00059	U	0.0011	0.00059	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1
Xylenes, Total	0.00069	U	0.0021	0.00069	mg/Kg	☼	04/06/22 12:09	04/09/22 02:04	1

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255692-19

Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 83.7

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		mg/Kg	☼			04/06/22 12:09	04/09/22 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		77 - 145	04/06/22 12:09	04/09/22 02:04	1
4-Bromofluorobenzene	97		70 - 139	04/06/22 12:09	04/09/22 02:04	1
Dibromofluoromethane (Surr)	106		48 - 150	04/06/22 12:09	04/09/22 02:04	1
Toluene-d8 (Surr)	94		80 - 120	04/06/22 12:09	04/09/22 02:04	1

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255692-20

Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,1,2,2-Tetrachloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00033	U *+	0.0011	0.00033	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,1,2-Trichloroethane	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,1-Dichloroethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,1-Dichloroethene	0.00024	U *+	0.0011	0.00024	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2,3-Trichlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2,4-Trichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2,4-Trimethylbenzene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2-Dibromo-3-Chloropropane	0.00050	U	0.0011	0.00050	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2-Dichlorobenzene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2-Dichloroethane	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,2-Dichloropropane	0.00046	U	0.0011	0.00046	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,3,5-Trimethylbenzene	0.00034	U	0.0011	0.00034	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,3-Dichlorobenzene	0.00040	U	0.0011	0.00040	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
1,4-Dichlorobenzene	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
2-Butanone (MEK)	0.00040	U	0.0054	0.00040	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
2-Hexanone	0.0019	U	0.0054	0.0019	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
4-Methyl-2-pentanone (MIBK)	0.0017	U	0.0054	0.0017	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Acetone	**0.017**		0.0065	0.0062	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Benzene	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Bromoform	0.00046	U	0.0011	0.00046	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Bromomethane	0.0011	U	0.0022	0.0011	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Carbon disulfide	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Carbon tetrachloride	0.00042	U	0.0011	0.00042	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chlorobenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chlorobromomethane	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chlorodibromomethane	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chloroethane	0.00057	U	0.0011	0.00057	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chloroform	0.0011	U	0.0011	0.0011	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Chloromethane	0.00047	U	0.0011	0.00047	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
cis-1,2-Dichloroethene	0.00039	U	0.0011	0.00039	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
cis-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Cyclohexane	0.00024	U	0.0011	0.00024	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Dichlorobromomethane	0.00028	U	0.0011	0.00028	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Dichlorodifluoromethane	0.00037	U	0.0011	0.00037	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Ethylbenzene	0.00022	U	0.0011	0.00022	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255692-20

Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Isopropylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Methyl acetate	0.0047	U	0.0054	0.0047	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Methyl tert-butyl ether	0.00056	U	0.0011	0.00056	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Methylcyclohexane	0.00054	U	0.0011	0.00054	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Methylene Chloride	0.0012	U	0.0022	0.0012	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
m-Xylene & p-Xylene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
n-Butylbenzene	0.00032	U	0.0011	0.00032	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
N-Propylbenzene	0.00019	U	0.0011	0.00019	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
o-Xylene	0.00021	U	0.0011	0.00021	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
sec-Butylbenzene	0.00031	U	0.0011	0.00031	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Styrene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
tert-Butylbenzene	0.00030	U	0.0011	0.00030	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Tetrachloroethene	**0.0028**		0.0011	0.00033	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Toluene	0.00025	U	0.0011	0.00025	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
trans-1,2-Dichloroethene	0.00027	U	0.0011	0.00027	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
trans-1,3-Dichloropropene	0.00029	U	0.0011	0.00029	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Trichloroethene	0.00035	U	0.0011	0.00035	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Trichlorofluoromethane	0.00044	U	0.0011	0.00044	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Vinyl chloride	0.00059	U	0.0011	0.00059	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1
Xylenes, Total	0.00070	U	0.0022	0.00070	mg/Kg	☼	04/06/22 12:10	04/09/22 02:27	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:10*	*04/09/22 02:27*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*	*04/06/22 12:10*	*04/09/22 02:27*	*1*
4-Bromofluorobenzene	*94*		*70 - 139*	*04/06/22 12:10*	*04/09/22 02:27*	*1*
Dibromofluoromethane (Surr)	*109*		*48 - 150*	*04/06/22 12:10*	*04/09/22 02:27*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*04/06/22 12:10*	*04/09/22 02:27*	*1*

Client Sample ID: SB-16 (7-7.5)
Lab Sample ID: 460-255692-21

Date Collected: 04/05/22 13:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00036	U	0.0015	0.00036	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,1,2,2-Tetrachloroethane	0.00033	U	0.0015	0.00033	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00046	U	0.0015	0.00046	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,1,2-Trichloroethane	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,1-Dichloroethane	0.00032	U	0.0015	0.00032	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,1-Dichloroethene	0.00035	U	0.0015	0.00035	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2,3-Trichlorobenzene	0.00028	U	0.0015	0.00028	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2,4-Trichlorobenzene	0.00055	U	0.0015	0.00055	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2,4-Trimethylbenzene	0.00038	U	0.0015	0.00038	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2-Dibromo-3-Chloropropane	0.00071	U	0.0015	0.00071	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2-Dichlorobenzene	0.00056	U	0.0015	0.00056	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2-Dichloroethane	0.00046	U	0.0015	0.00046	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,2-Dichloropropane	0.00065	U	0.0015	0.00065	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1

Client Sample ID: SB-16 (7-7.5)
Date Collected: 04/05/22 13:25
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-21
Matrix: Solid
Percent Solids: 95.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	0.00048	U	0.0015	0.00048	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,3-Dichlorobenzene	0.00056	U	0.0015	0.00056	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
1,4-Dichlorobenzene	0.00035	U	0.0015	0.00035	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
2-Butanone (MEK)	0.00057	U	0.0077	0.00057	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
2-Hexanone	0.0026	U	0.0077	0.0026	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
4-Methyl-2-pentanone (MIBK)	0.0024	U	0.0077	0.0024	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Acetone	**0.050**		0.0093	0.0088	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Benzene	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Bromoform	0.00066	U	0.0015	0.00066	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Bromomethane	0.0015	U	0.0031	0.0015	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Carbon disulfide	0.00041	U	0.0015	0.00041	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Carbon tetrachloride	0.00060	U	0.0015	0.00060	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chlorobenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chlorobromomethane	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chlorodibromomethane	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chloroethane	0.00081	U	0.0015	0.00081	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chloroform	0.0015	U	0.0015	0.0015	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Chloromethane	0.00067	U	0.0015	0.00067	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
cis-1,2-Dichloroethene	0.00055	U	0.0015	0.00055	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
cis-1,3-Dichloropropene	0.00042	U	0.0015	0.00042	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Cyclohexane	0.00034	U	0.0015	0.00034	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Dichlorobromomethane	0.00040	U	0.0015	0.00040	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Dichlorodifluoromethane	0.00052	U	0.0015	0.00052	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Ethylbenzene	0.00031	U	0.0015	0.00031	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Ethylene Dibromide	0.00028	U	0.0015	0.00028	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Isopropylbenzene	0.00044	U	0.0015	0.00044	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Methyl acetate	0.0066	U	0.0077	0.0066	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Methyl tert-butyl ether	0.00079	U	0.0015	0.00079	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Methylcyclohexane	0.00077	U	0.0015	0.00077	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Methylene Chloride	0.0018	U	0.0031	0.0018	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
m-Xylene & p-Xylene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
n-Butylbenzene	0.00045	U	0.0015	0.00045	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
N-Propylbenzene	0.00027	U	0.0015	0.00027	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
o-Xylene	0.00030	U	0.0015	0.00030	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
sec-Butylbenzene	0.00044	U	0.0015	0.00044	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Styrene	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
tert-Butylbenzene	0.00043	U	0.0015	0.00043	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Tetrachloroethene	0.00047	U	0.0015	0.00047	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Toluene	0.00036	U	0.0015	0.00036	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
trans-1,2-Dichloroethene	0.00038	U	0.0015	0.00038	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
trans-1,3-Dichloropropene	0.00041	U	0.0015	0.00041	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Trichloroethene	0.00050	U	0.0015	0.00050	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Trichlorofluoromethane	0.00063	U	0.0015	0.00063	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Vinyl chloride	0.00084	U	0.0015	0.00084	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1
Xylenes, Total	0.00099	U	0.0031	0.00099	mg/Kg	☼	04/06/22 12:11	04/09/22 08:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*	☼			*04/06/22 12:11*	*04/09/22 08:09*	*1*

Client Sample ID: SB-16 (7-7.5)
Lab Sample ID: 460-255692-21

Date Collected: 04/05/22 13:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 145*	*04/06/22 12:11*	*04/09/22 08:09*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*	*04/06/22 12:11*	*04/09/22 08:09*	*1*
Dibromofluoromethane (Surr)	*107*		*48 - 150*	*04/06/22 12:11*	*04/09/22 08:09*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*	*04/06/22 12:11*	*04/09/22 08:09*	*1*

Client Sample ID: TB
Lab Sample ID: 460-255692-22

Date Collected: 04/05/22 00:00
Matrix: Water
Date Received: 04/05/22 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			04/08/22 11:02	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			04/08/22 11:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			04/08/22 11:02	1
1,1,2-Trichloroethane	0.20	U	1.0	0.20	ug/L			04/08/22 11:02	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			04/08/22 11:02	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/08/22 11:02	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			04/08/22 11:02	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			04/08/22 11:02	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			04/08/22 11:02	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			04/08/22 11:02	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/08/22 11:02	1
1,4-Dioxane	28	U	50	28	ug/L			04/08/22 11:02	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			04/08/22 11:02	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			04/08/22 11:02	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			04/08/22 11:02	1
Acetone	4.4	U	5.0	4.4	ug/L			04/08/22 11:02	1
Benzene	0.20	U	1.0	0.20	ug/L			04/08/22 11:02	1
Bromoform	0.54	U	1.0	0.54	ug/L			04/08/22 11:02	1
Bromomethane	0.55	U	1.0	0.55	ug/L			04/08/22 11:02	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			04/08/22 11:02	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			04/08/22 11:02	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			04/08/22 11:02	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			04/08/22 11:02	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			04/08/22 11:02	1
Chloroethane	0.32	U	1.0	0.32	ug/L			04/08/22 11:02	1
Chloroform	0.33	U	1.0	0.33	ug/L			04/08/22 11:02	1
Chloromethane	0.40	U	1.0	0.40	ug/L			04/08/22 11:02	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/08/22 11:02	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 11:02	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			04/08/22 11:02	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			04/08/22 11:02	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			04/08/22 11:02	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/08/22 11:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			04/08/22 11:02	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			04/08/22 11:02	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			04/08/22 11:02	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			04/08/22 11:02	1
Methylcyclohexane	0.71	U	1.0	0.71	ug/L			04/08/22 11:02	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			04/08/22 11:02	1

Client Sample ID: TB
Lab Sample ID: 460-255692-22

Date Collected: 04/05/22 00:00
Matrix: Water
Date Received: 04/05/22 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			04/08/22 11:02	1
o-Xylene	0.36	U	1.0	0.36	ug/L			04/08/22 11:02	1
Styrene	0.42	U	1.0	0.42	ug/L			04/08/22 11:02	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			04/08/22 11:02	1
Toluene	0.38	U	1.0	0.38	ug/L			04/08/22 11:02	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			04/08/22 11:02	1
trans-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 11:02	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			04/08/22 11:02	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			04/08/22 11:02	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			04/08/22 11:02	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			04/08/22 11:02	1
1,2-Dichlorobenzene	0.21	U	1.0	0.21	ug/L			04/08/22 11:02	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			04/08/22 11:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*75 - 123*		*04/08/22 11:02*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*04/08/22 11:02*	*1*
Dibromofluoromethane (Surr)	*124*		*77 - 124*		*04/08/22 11:02*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*04/08/22 11:02*	*1*

Client Sample ID: FB
Lab Sample ID: 460-255692-23

Date Collected: 04/05/22 08:10
Matrix: Water
Date Received: 04/05/22 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			04/08/22 11:25	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			04/08/22 11:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			04/08/22 11:25	1
1,1,2-Trichloroethane	0.20	U	1.0	0.20	ug/L			04/08/22 11:25	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			04/08/22 11:25	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/08/22 11:25	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			04/08/22 11:25	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			04/08/22 11:25	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			04/08/22 11:25	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			04/08/22 11:25	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/08/22 11:25	1
1,4-Dioxane	28	U	50	28	ug/L			04/08/22 11:25	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			04/08/22 11:25	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			04/08/22 11:25	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			04/08/22 11:25	1
Acetone	**4.7**	**J**	5.0	4.4	ug/L			04/08/22 11:25	1
Benzene	0.20	U	1.0	0.20	ug/L			04/08/22 11:25	1
Bromoform	0.54	U	1.0	0.54	ug/L			04/08/22 11:25	1
Bromomethane	0.55	U	1.0	0.55	ug/L			04/08/22 11:25	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			04/08/22 11:25	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			04/08/22 11:25	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			04/08/22 11:25	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			04/08/22 11:25	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			04/08/22 11:25	1

Client Sample ID: FB
Lab Sample ID: 460-255692-23

Date Collected: 04/05/22 08:10
Matrix: Water
Date Received: 04/05/22 18:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	0.32	U	1.0	0.32	ug/L			04/08/22 11:25	1
Chloroform	0.33	U	1.0	0.33	ug/L			04/08/22 11:25	1
Chloromethane	0.40	U	1.0	0.40	ug/L			04/08/22 11:25	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/08/22 11:25	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 11:25	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			04/08/22 11:25	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			04/08/22 11:25	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			04/08/22 11:25	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/08/22 11:25	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			04/08/22 11:25	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			04/08/22 11:25	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			04/08/22 11:25	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			04/08/22 11:25	1
Methylcyclohexane	0.71	U	1.0	0.71	ug/L			04/08/22 11:25	1
Methylene Chloride	**2.7**		1.0	0.32	ug/L			04/08/22 11:25	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			04/08/22 11:25	1
o-Xylene	0.36	U	1.0	0.36	ug/L			04/08/22 11:25	1
Styrene	0.42	U	1.0	0.42	ug/L			04/08/22 11:25	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			04/08/22 11:25	1
Toluene	0.38	U	1.0	0.38	ug/L			04/08/22 11:25	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			04/08/22 11:25	1
trans-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 11:25	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			04/08/22 11:25	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			04/08/22 11:25	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			04/08/22 11:25	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			04/08/22 11:25	1
1,2-Dichlorobenzene	0.21	U	1.0	0.21	ug/L			04/08/22 11:25	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			04/08/22 11:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 123*		*04/08/22 11:25*	*1*
4-Bromofluorobenzene	*100*		*76 - 120*		*04/08/22 11:25*	*1*
Dibromofluoromethane (Surr)	*123*		*77 - 124*		*04/08/22 11:25*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*04/08/22 11:25*	*1*

Surrogate Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Method: 8260D - 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	(77-145)	(70-139)	(48-150)	(80-120)
460-255692-1	SB-8 (0-5)	103	95	106	99
460-255692-2	SB-8 (8-8.5)	98	92	102	97
460-255692-3	SB-11 (4-4.5)	101	96	105	101
460-255692-4	SB-11 (9.5-10)	101	94	105	98
460-255692-5	SB-14 (4-5)	104	95	105	98
460-255692-6	SB-14 (6-10)	102	97	105	95
460-255692-7	SB-15 (3-5)	106	93	109	96
460-255692-8	SB-15 (12-13)	102	90	105	95
460-255692-9	DUP	104	99	107	92
460-255692-10	SB-9 (4-5)	105	100	108	95
460-255692-11	SB-9 (7-7.5)	105	94	106	95
460-255692-12	SB-12 (0-5)	110	100	111	101
460-255692-13	SB-12 (7-8)	106	95	108	98
460-255692-14	SB-12 (15-15.5)	104	99	108	100
460-255692-15	SB-10 (2.5-5)	102	94	104	96
460-255692-16	SB-10 (7-7.5)	102	96	105	96
460-255692-17	SB-10 (15-15.5)	101	90	102	94
460-255692-18	SB-13 (2-2.5)	111	96	111	101
460-255692-19	SB-13 (7-7.5)	104	97	106	94
460-255692-20	SB-16 (3-5)	106	94	109	100
460-255692-21	SB-16 (7-7.5)	100	100	107	89
LB3 460-837649/1-A	Method Blank	98	96	102	100
LCS 460-838140/3	Lab Control Sample	101	100	104	93
LCS 460-838227/3	Lab Control Sample	105	102	101	103
LCSD 460-838140/4	Lab Control Sample Dup	106	106	104	101
LCSD 460-838227/4	Lab Control Sample Dup	110	102	102	100
MB 460-838140/9	Method Blank	103	100	104	98
MB 460-838227/7	Method Blank	103	101	105	99

Surrogate Legend

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

Method: 8260D - 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	(75-123)	(76-120)	(77-124)	(80-120)
460-255692-22	TB	120	107	124	108
460-255692-23	FB	118	100	123	105
LCS 460-838022/4	Lab Control Sample	101	94	105	95
LCSD 460-838022/5	Lab Control Sample Dup	101	100	103	99
MB 460-838022/9	Method Blank	112	106	118	104

Surrogate Legend

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

Surrogate Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

TOL = Toluene-d8 (Surr)

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

Lab Sample ID: LB3 460-837649/1-A
Matrix: Solid
Analysis Batch: 838140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837649

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2,4-Trimethylbenzene	0.00025	U	0.0010	0.00025	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,3,5-Trimethylbenzene	0.00031	U	0.0010	0.00031	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
n-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
N-Propylbenzene	0.00018	U	0.0010	0.00018	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
sec-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
tert-Butylbenzene	0.00028	U	0.0010	0.00028	mg/Kg		04/06/22 11:37	04/08/22 19:01	1

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

Lab Sample ID: LB3 460-837649/1-A
Matrix: Solid
Analysis Batch: 838140

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837649

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg		04/06/22 11:37	04/08/22 19:01	1
Xylenes, Total	0.00064	U	0.0020	0.00064	mg/Kg		04/06/22 11:37	04/08/22 19:01	1

Tentatively Identified Compound	*LB3 Est. Result*	*LB3 Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*				*04/06/22 11:37*	*04/08/22 19:01*	*1*

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 145*	*04/06/22 11:37*	*04/08/22 19:01*	*1*
4-Bromofluorobenzene	*96*		*70 - 139*	*04/06/22 11:37*	*04/08/22 19:01*	*1*
Dibromofluoromethane (Surr)	*102*		*48 - 150*	*04/06/22 11:37*	*04/08/22 19:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*	*04/06/22 11:37*	*04/08/22 19:01*	*1*

Lab Sample ID: MB 460-838022/9
Matrix: Water
Analysis Batch: 838022

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	0.24	U	1.0	0.24	ug/L			04/08/22 08:46	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			04/08/22 08:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			04/08/22 08:46	1
1,1,2-Trichloroethane	0.20	U	1.0	0.20	ug/L			04/08/22 08:46	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			04/08/22 08:46	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/08/22 08:46	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			04/08/22 08:46	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			04/08/22 08:46	1
1,4-Dioxane	28	U	50	28	ug/L			04/08/22 08:46	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			04/08/22 08:46	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			04/08/22 08:46	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			04/08/22 08:46	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			04/08/22 08:46	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			04/08/22 08:46	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			04/08/22 08:46	1
Acetone	4.4	U	5.0	4.4	ug/L			04/08/22 08:46	1
Benzene	0.20	U	1.0	0.20	ug/L			04/08/22 08:46	1
Bromoform	0.54	U	1.0	0.54	ug/L			04/08/22 08:46	1
Bromomethane	0.55	U	1.0	0.55	ug/L			04/08/22 08:46	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			04/08/22 08:46	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			04/08/22 08:46	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			04/08/22 08:46	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			04/08/22 08:46	1

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

Lab Sample ID: MB 460-838022/9
Matrix: Water
Analysis Batch: 838022

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			04/08/22 08:46	1
Chloroethane	0.32	U	1.0	0.32	ug/L			04/08/22 08:46	1
Chloroform	0.33	U	1.0	0.33	ug/L			04/08/22 08:46	1
Chloromethane	0.40	U	1.0	0.40	ug/L			04/08/22 08:46	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			04/08/22 08:46	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 08:46	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			04/08/22 08:46	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			04/08/22 08:46	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			04/08/22 08:46	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			04/08/22 08:46	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			04/08/22 08:46	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			04/08/22 08:46	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			04/08/22 08:46	1
Methyl tert-butyl ether	0.22	U	1.0	0.22	ug/L			04/08/22 08:46	1
Methylcyclohexane	0.71	U	1.0	0.71	ug/L			04/08/22 08:46	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			04/08/22 08:46	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			04/08/22 08:46	1
o-Xylene	0.36	U	1.0	0.36	ug/L			04/08/22 08:46	1
Styrene	0.42	U	1.0	0.42	ug/L			04/08/22 08:46	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			04/08/22 08:46	1
1,2-Dichlorobenzene	0.21	U	1.0	0.21	ug/L			04/08/22 08:46	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			04/08/22 08:46	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			04/08/22 08:46	1
Toluene	0.38	U	1.0	0.38	ug/L			04/08/22 08:46	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			04/08/22 08:46	1
trans-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			04/08/22 08:46	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			04/08/22 08:46	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			04/08/22 08:46	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			04/08/22 08:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*75 - 123*		*04/08/22 08:46*	*1*
4-Bromofluorobenzene	*106*		*76 - 120*		*04/08/22 08:46*	*1*
Dibromofluoromethane (Surr)	*118*		*77 - 124*		*04/08/22 08:46*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*04/08/22 08:46*	*1*

Lab Sample ID: LCS 460-838022/4
Matrix: Water
Analysis Batch: 838022

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	20.0	19.7		ug/L		99	68 - 128
1,1,2,2-Tetrachloroethane	20.0	16.6		ug/L		83	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.1		ug/L		90	59 - 142
1,1,2-Trichloroethane	20.0	18.2		ug/L		91	74 - 125
1,1-Dichloroethane	20.0	19.4		ug/L		97	73 - 130
1,1-Dichloroethene	20.0	19.1		ug/L		96	68 - 133
1,2,3-Trichlorobenzene	20.0	22.4		ug/L		112	53 - 144

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

Lab Sample ID: LCS 460-838022/4
Matrix: Water
Analysis Batch: 838022

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2,4-Trichlorobenzene	20.0	20.3		ug/L		102	64 - 132
1,4-Dioxane	400	396		ug/L		99	70 - 142
1,2-Dichloropropane	20.0	17.8		ug/L		89	76 - 126
1,3-Dichlorobenzene	20.0	19.1		ug/L		95	80 - 121
1,4-Dichlorobenzene	20.0	19.4		ug/L		97	80 - 118
2-Butanone (MEK)	100	98.6		ug/L		99	69 - 128
2-Hexanone	100	94.4		ug/L		94	74 - 127
4-Methyl-2-pentanone (MIBK)	100	96.0		ug/L		96	69 - 128
Acetone	100	104		ug/L		104	61 - 134
Benzene	20.0	18.2		ug/L		91	78 - 126
Bromoform	20.0	18.6		ug/L		93	38 - 144
Bromomethane	20.0	21.5		ug/L		108	43 - 150
Carbon disulfide	20.0	19.8		ug/L		99	64 - 138
Carbon tetrachloride	20.0	20.3		ug/L		102	56 - 131
Chlorobenzene	20.0	18.9		ug/L		94	80 - 119
Chlorobromomethane	20.0	20.7		ug/L		103	73 - 126
Chlorodibromomethane	20.0	18.8		ug/L		94	58 - 130
Chloroethane	20.0	21.3		ug/L		107	50 - 150
Chloroform	20.0	19.9		ug/L		99	78 - 125
Chloromethane	20.0	19.0		ug/L		95	38 - 150
cis-1,2-Dichloroethene	20.0	19.6		ug/L		98	78 - 121
cis-1,3-Dichloropropene	20.0	17.6		ug/L		88	74 - 125
Cyclohexane	20.0	19.1		ug/L		95	67 - 133
Dichlorobromomethane	20.0	19.4		ug/L		97	72 - 121
Dichlorodifluoromethane	20.0	19.6		ug/L		98	31 - 150
Ethylbenzene	20.0	18.9		ug/L		94	78 - 120
Ethylene Dibromide	20.0	19.2		ug/L		96	69 - 126
Isopropylbenzene	20.0	18.6		ug/L		93	79 - 125
Methyl acetate	40.0	41.0		ug/L		103	70 - 127
Methyl tert-butyl ether	20.0	19.9		ug/L		99	65 - 131
Methylcyclohexane	20.0	21.1		ug/L		106	60 - 139
Methylene Chloride	20.0	20.0		ug/L		100	74 - 127
m-Xylene & p-Xylene	20.0	18.5		ug/L		93	78 - 123
o-Xylene	20.0	18.2		ug/L		91	78 - 122
Styrene	20.0	17.4		ug/L		87	75 - 127
1,2-Dichloroethane	20.0	18.8		ug/L		94	75 - 121
1,2-Dichlorobenzene	20.0	19.4		ug/L		97	79 - 122
Tetrachloroethene	20.0	20.5		ug/L		103	70 - 127
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	41 - 143
Toluene	20.0	18.2		ug/L		91	78 - 119
trans-1,2-Dichloroethene	20.0	20.1		ug/L		100	74 - 126
trans-1,3-Dichloropropene	20.0	17.4		ug/L		87	66 - 127
Trichloroethene	20.0	20.1		ug/L		100	71 - 121
Trichlorofluoromethane	20.0	21.1		ug/L		105	61 - 140
Vinyl chloride	20.0	20.9		ug/L		104	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*

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

Lab Sample ID: LCS 460-838022/4
Matrix: Water
Analysis Batch: 838022

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

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*77 - 124*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 460-838022/5
Matrix: Water
Analysis Batch: 838022

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	19.5		ug/L		97	68 - 128	1	30
1,1,2,2-Tetrachloroethane			20.0	16.9		ug/L		85	63 - 139	2	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	22.0		ug/L		110	59 - 142	20	30
1,1,2-Trichloroethane			20.0	18.5		ug/L		93	74 - 125	2	30
1,1-Dichloroethane			20.0	19.0		ug/L		95	73 - 130	2	30
1,1-Dichloroethene			20.0	20.5		ug/L		102	68 - 133	7	30
1,2,3-Trichlorobenzene			20.0	22.9		ug/L		114	53 - 144	2	30
1,2,4-Trichlorobenzene			20.0	19.8		ug/L		99	64 - 132	2	30
1,4-Dioxane			400	363		ug/L		91	70 - 142	9	30
1,2-Dichloropropane			20.0	18.0		ug/L		90	76 - 126	1	30
1,3-Dichlorobenzene			20.0	18.7		ug/L		93	80 - 121	2	30
1,4-Dichlorobenzene			20.0	18.5		ug/L		92	80 - 118	5	30
2-Butanone (MEK)			100	100		ug/L		100	69 - 128	1	30
2-Hexanone			100	95.5		ug/L		96	74 - 127	1	30
4-Methyl-2-pentanone (MIBK)			100	94.3		ug/L		94	69 - 128	2	30
Acetone			100	108		ug/L		108	61 - 134	4	30
Benzene			20.0	18.4		ug/L		92	78 - 126	1	30
Bromoform			20.0	18.9		ug/L		94	38 - 144	2	30
Bromomethane			20.0	21.4		ug/L		107	43 - 150	1	30
Carbon disulfide			20.0	19.7		ug/L		99	64 - 138	0	30
Carbon tetrachloride			20.0	20.6		ug/L		103	56 - 131	1	30
Chlorobenzene			20.0	19.2		ug/L		96	80 - 119	2	30
Chlorobromomethane			20.0	20.5		ug/L		103	73 - 126	1	30
Chlorodibromomethane			20.0	19.3		ug/L		97	58 - 130	3	30
Chloroethane			20.0	19.8		ug/L		99	50 - 150	8	30
Chloroform			20.0	19.5		ug/L		98	78 - 125	2	30
Chloromethane			20.0	17.9		ug/L		90	38 - 150	6	30
cis-1,2-Dichloroethene			20.0	19.3		ug/L		96	78 - 121	2	30
cis-1,3-Dichloropropene			20.0	18.2		ug/L		91	74 - 125	3	30
Cyclohexane			20.0	19.8		ug/L		99	67 - 133	4	30
Dichlorobromomethane			20.0	19.2		ug/L		96	72 - 121	1	30
Dichlorodifluoromethane			20.0	20.5		ug/L		103	31 - 150	4	30
Ethylbenzene			20.0	19.3		ug/L		97	78 - 120	3	30
Ethylene Dibromide			20.0	19.5		ug/L		97	69 - 126	2	30
Isopropylbenzene			20.0	19.0		ug/L		95	79 - 125	2	30
Methyl acetate			40.0	39.0		ug/L		98	70 - 127	5	30
Methyl tert-butyl ether			20.0	19.3		ug/L		96	65 - 131	3	30
Methylcyclohexane			20.0	20.8		ug/L		104	60 - 139	1	30
Methylene Chloride			20.0	19.6		ug/L		98	74 - 127	2	30

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

Lab Sample ID: LCSD 460-838022/5
Matrix: Water
Analysis Batch: 838022

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene			20.0	19.3		ug/L		97	78 - 123	4	30
o-Xylene			20.0	18.9		ug/L		94	78 - 122	4	30
Styrene			20.0	17.4		ug/L		87	75 - 127	0	30
1,2-Dichloroethane			20.0	18.6		ug/L		93	75 - 121	1	30
1,2-Dichlorobenzene			20.0	18.9		ug/L		94	79 - 122	3	30
Tetrachloroethene			20.0	20.8		ug/L		104	70 - 127	1	30
1,2-Dibromo-3-Chloropropane			20.0	20.0		ug/L		100	41 - 143	3	30
Toluene			20.0	18.5		ug/L		93	78 - 119	2	30
trans-1,2-Dichloroethene			20.0	19.5		ug/L		97	74 - 126	3	30
trans-1,3-Dichloropropene			20.0	17.9		ug/L		90	66 - 127	3	30
Trichloroethene			20.0	19.9		ug/L		99	71 - 121	1	30
Trichlorofluoromethane			20.0	23.9		ug/L		119	61 - 140	12	30
Vinyl chloride			20.0	20.8		ug/L		104	61 - 144	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 123*
4-Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: MB 460-838140/9
Matrix: Solid
Analysis Batch: 838140

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	0.00023	U	0.0010	0.00023	mg/Kg			04/08/22 18:39	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			04/08/22 18:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			04/08/22 18:39	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			04/08/22 18:39	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			04/08/22 18:39	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			04/08/22 18:39	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/08/22 18:39	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			04/08/22 18:39	1
1,2,4-Trimethylbenzene	0.00025	U	0.0010	0.00025	mg/Kg			04/08/22 18:39	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			04/08/22 18:39	1
1,3,5-Trimethylbenzene	0.00031	U	0.0010	0.00031	mg/Kg			04/08/22 18:39	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg			04/08/22 18:39	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			04/08/22 18:39	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg			04/08/22 18:39	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			04/08/22 18:39	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			04/08/22 18:39	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			04/08/22 18:39	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			04/08/22 18:39	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			04/08/22 18:39	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg			04/08/22 18:39	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			04/08/22 18:39	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			04/08/22 18:39	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/08/22 18:39	1

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

Lab Sample ID: MB 460-838140/9
Matrix: Solid
Analysis Batch: 838140

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			04/08/22 18:39	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			04/08/22 18:39	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			04/08/22 18:39	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg			04/08/22 18:39	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			04/08/22 18:39	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg			04/08/22 18:39	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			04/08/22 18:39	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			04/08/22 18:39	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			04/08/22 18:39	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			04/08/22 18:39	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			04/08/22 18:39	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			04/08/22 18:39	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/08/22 18:39	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			04/08/22 18:39	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg			04/08/22 18:39	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			04/08/22 18:39	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg			04/08/22 18:39	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			04/08/22 18:39	1
n-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/08/22 18:39	1
N-Propylbenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/08/22 18:39	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			04/08/22 18:39	1
sec-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/08/22 18:39	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			04/08/22 18:39	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			04/08/22 18:39	1
tert-Butylbenzene	0.00028	U	0.0010	0.00028	mg/Kg			04/08/22 18:39	1
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			04/08/22 18:39	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg			04/08/22 18:39	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			04/08/22 18:39	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			04/08/22 18:39	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			04/08/22 18:39	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			04/08/22 18:39	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg			04/08/22 18:39	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			04/08/22 18:39	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			04/08/22 18:39	1
Xylenes, Total	0.00064	U	0.0020	0.00064	mg/Kg			04/08/22 18:39	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*04/08/22 18:39*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*		*04/08/22 18:39*	*1*
4-Bromofluorobenzene	*100*		*70 - 139*		*04/08/22 18:39*	*1*
Dibromofluoromethane (Surr)	*104*		*48 - 150*		*04/08/22 18:39*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*04/08/22 18:39*	*1*

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

Lab Sample ID: LCS 460-838140/3
Matrix: Solid
Analysis Batch: 838140

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	0.0200	0.0226		mg/Kg		113	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0185		mg/Kg		93	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0274	*+	mg/Kg		137	78 - 136
1,1,2-Trichloroethane	0.0200	0.0183		mg/Kg		91	75 - 120
1,1-Dichloroethane	0.0200	0.0215		mg/Kg		107	76 - 129
1,1-Dichloroethene	0.0200	0.0268	*+	mg/Kg		134	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0204		mg/Kg		102	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0206		mg/Kg		103	75 - 120
1,2,4-Trimethylbenzene	0.0200	0.0195		mg/Kg		98	79 - 120
1,2-Dichloropropane	0.0200	0.0197		mg/Kg		98	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0190		mg/Kg		95	79 - 120
1,3-Dichlorobenzene	0.0200	0.0205		mg/Kg		103	80 - 120
1,4-Dichlorobenzene	0.0200	0.0201		mg/Kg		101	80 - 120
2-Butanone (MEK)	0.100	0.0995		mg/Kg		99	75 - 120
2-Hexanone	0.100	0.0974		mg/Kg		97	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0905		mg/Kg		90	80 - 122
Acetone	0.100	0.113		mg/Kg		113	63 - 131
Benzene	0.0200	0.0195		mg/Kg		97	80 - 123
Bromoform	0.0200	0.0186		mg/Kg		93	48 - 142
Bromomethane	0.0200	0.0233		mg/Kg		117	46 - 150
Carbon disulfide	0.0200	0.0260		mg/Kg		130	67 - 136
Carbon tetrachloride	0.0200	0.0223		mg/Kg		112	72 - 136
Chlorobenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0205		mg/Kg		102	76 - 127
Chlorodibromomethane	0.0200	0.0183		mg/Kg		91	62 - 128
Chloroethane	0.0200	0.0232		mg/Kg		116	49 - 150
Chloroform	0.0200	0.0209		mg/Kg		105	79 - 126
Chloromethane	0.0200	0.0219		mg/Kg		109	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0217		mg/Kg		109	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		92	72 - 120
Cyclohexane	0.0200	0.0217		mg/Kg		109	80 - 132
Dichlorobromomethane	0.0200	0.0188		mg/Kg		94	73 - 124
Dichlorodifluoromethane	0.0200	0.0223		mg/Kg		112	40 - 146
Ethylbenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Ethylene Dibromide	0.0200	0.0191		mg/Kg		95	79 - 120
Isopropylbenzene	0.0200	0.0173		mg/Kg		87	80 - 120
Methyl acetate	0.0400	0.0391		mg/Kg		98	58 - 143
Methyl tert-butyl ether	0.0200	0.0212		mg/Kg		106	80 - 125
Methylcyclohexane	0.0200	0.0209		mg/Kg		105	79 - 133
Methylene Chloride	0.0200	0.0231		mg/Kg		115	76 - 127
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		100	80 - 120
n-Butylbenzene	0.0200	0.0191		mg/Kg		95	77 - 123
N-Propylbenzene	0.0200	0.0202		mg/Kg		101	78 - 120
o-Xylene	0.0200	0.0175		mg/Kg		87	80 - 120
sec-Butylbenzene	0.0200	0.0187		mg/Kg		93	78 - 120
Styrene	0.0200	0.0192		mg/Kg		96	80 - 120
1,2-Dichloroethane	0.0200	0.0200		mg/Kg		100	70 - 132
tert-Butylbenzene	0.0200	0.0181		mg/Kg		91	76 - 120

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

Lab Sample ID: LCS 460-838140/3
Matrix: Solid
Analysis Batch: 838140

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,2-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120		
Tetrachloroethene			0.0200	0.0198		mg/Kg		99	78 - 123		
1,2-Dibromo-3-Chloropropane			0.0200	0.0170		mg/Kg		85	60 - 126		
Toluene			0.0200	0.0190		mg/Kg		95	80 - 120		
trans-1,2-Dichloroethene			0.0200	0.0226		mg/Kg		113	78 - 128		
trans-1,3-Dichloropropene			0.0200	0.0182		mg/Kg		91	68 - 120		
Trichloroethene			0.0200	0.0191		mg/Kg		95	79 - 120		
Trichlorofluoromethane			0.0200	0.0247		mg/Kg		123	67 - 142		
Vinyl chloride			0.0200	0.0224		mg/Kg		112	56 - 147		
Xylenes, Total			0.0400	0.0374		mg/Kg		93	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 145*
4-Bromofluorobenzene	*100*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-838140/4
Matrix: Solid
Analysis Batch: 838140

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0220		mg/Kg		110	78 - 132	3	30
1,1,2,2-Tetrachloroethane			0.0200	0.0199		mg/Kg		100	69 - 123	7	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0270		mg/Kg		135	78 - 136	1	30
1,1,2-Trichloroethane			0.0200	0.0201		mg/Kg		100	75 - 120	9	30
1,1-Dichloroethane			0.0200	0.0218		mg/Kg		109	76 - 129	2	30
1,1-Dichloroethene			0.0200	0.0259		mg/Kg		129	77 - 132	3	30
1,2,3-Trichlorobenzene			0.0200	0.0208		mg/Kg		104	65 - 144	2	30
1,2,4-Trichlorobenzene			0.0200	0.0207		mg/Kg		103	75 - 120	0	30
1,2,4-Trimethylbenzene			0.0200	0.0195		mg/Kg		97	79 - 120	0	30
1,2-Dichloropropane			0.0200	0.0207		mg/Kg		104	73 - 124	5	30
1,3,5-Trimethylbenzene			0.0200	0.0191		mg/Kg		96	79 - 120	1	30
1,3-Dichlorobenzene			0.0200	0.0204		mg/Kg		102	80 - 120	1	30
1,4-Dichlorobenzene			0.0200	0.0198		mg/Kg		99	80 - 120	2	30
2-Butanone (MEK)			0.100	0.0941		mg/Kg		94	75 - 120	6	30
2-Hexanone			0.100	0.0902		mg/Kg		90	78 - 120	8	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0853		mg/Kg		85	80 - 122	6	30
Acetone			0.100	0.109		mg/Kg		109	63 - 131	4	30
Benzene			0.0200	0.0216		mg/Kg		108	80 - 123	10	30
Bromoform			0.0200	0.0201		mg/Kg		101	48 - 142	8	30
Bromomethane			0.0200	0.0230		mg/Kg		115	46 - 150	2	30
Carbon disulfide			0.0200	0.0261		mg/Kg		131	67 - 136	1	30
Carbon tetrachloride			0.0200	0.0222		mg/Kg		111	72 - 136	1	30
Chlorobenzene			0.0200	0.0206		mg/Kg		103	80 - 120	2	30
Chlorobromomethane			0.0200	0.0209		mg/Kg		104	76 - 127	2	30
Chlorodibromomethane			0.0200	0.0195		mg/Kg		98	62 - 128	7	30
Chloroethane			0.0200	0.0232		mg/Kg		116	49 - 150	0	30

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

Lab Sample ID: LCSD 460-838140/4
Matrix: Solid
Analysis Batch: 838140

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloroform			0.0200	0.0202		mg/Kg		101	79 - 126	3	30
Chloromethane			0.0200	0.0228		mg/Kg		114	48 - 150	4	30
cis-1,2-Dichloroethene			0.0200	0.0220		mg/Kg		110	80 - 123	1	30
cis-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		100	72 - 120	7	30
Cyclohexane			0.0200	0.0233		mg/Kg		117	80 - 132	7	30
Dichlorobromomethane			0.0200	0.0193		mg/Kg		97	73 - 124	3	30
Dichlorodifluoromethane			0.0200	0.0240		mg/Kg		120	40 - 146	7	30
Ethylbenzene			0.0200	0.0202		mg/Kg		101	80 - 120	3	30
Ethylene Dibromide			0.0200	0.0200		mg/Kg		100	79 - 120	5	30
Isopropylbenzene			0.0200	0.0182		mg/Kg		91	80 - 120	5	30
Methyl acetate			0.0400	0.0487		mg/Kg		122	58 - 143	22	30
Methyl tert-butyl ether			0.0200	0.0236		mg/Kg		118	80 - 125	11	30
Methylcyclohexane			0.0200	0.0209		mg/Kg		105	79 - 133	0	30
Methylene Chloride			0.0200	0.0231		mg/Kg		115	76 - 127	0	30
m-Xylene & p-Xylene			0.0200	0.0206		mg/Kg		103	80 - 120	4	30
n-Butylbenzene			0.0200	0.0190		mg/Kg		95	77 - 123	0	30
N-Propylbenzene			0.0200	0.0204		mg/Kg		102	78 - 120	1	30
o-Xylene			0.0200	0.0185		mg/Kg		92	80 - 120	6	30
sec-Butylbenzene			0.0200	0.0191		mg/Kg		96	78 - 120	2	30
Styrene			0.0200	0.0197		mg/Kg		98	80 - 120	3	30
1,2-Dichloroethane			0.0200	0.0205		mg/Kg		102	70 - 132	2	30
tert-Butylbenzene			0.0200	0.0190		mg/Kg		95	76 - 120	4	30
1,2-Dichlorobenzene			0.0200	0.0199		mg/Kg		99	80 - 120	1	30
Tetrachloroethene			0.0200	0.0206		mg/Kg		103	78 - 123	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0199		mg/Kg		100	60 - 126	16	30
Toluene			0.0200	0.0205		mg/Kg		102	80 - 120	7	30
trans-1,2-Dichloroethene			0.0200	0.0250		mg/Kg		125	78 - 128	10	30
trans-1,3-Dichloropropene			0.0200	0.0199		mg/Kg		99	68 - 120	9	30
Trichloroethene			0.0200	0.0203		mg/Kg		101	79 - 120	6	30
Trichlorofluoromethane			0.0200	0.0255		mg/Kg		127	67 - 142	3	30
Vinyl chloride			0.0200	0.0239		mg/Kg		120	56 - 147	7	30
Xylenes, Total			0.0400	0.0391		mg/Kg		98	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 145*
4-Bromofluorobenzene	*106*		*70 - 139*
Dibromofluoromethane (Surr)	*104*		*48 - 150*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: MB 460-838227/7
Matrix: Solid
Analysis Batch: 838227

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	0.00023	U	0.0010	0.00023	mg/Kg			04/09/22 07:22	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			04/09/22 07:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			04/09/22 07:22	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			04/09/22 07:22	1

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

Lab Sample ID: MB 460-838227/7
Matrix: Solid
Analysis Batch: 838227

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			04/09/22 07:22	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			04/09/22 07:22	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/09/22 07:22	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			04/09/22 07:22	1
1,2,4-Trimethylbenzene	0.00025	U	0.0010	0.00025	mg/Kg			04/09/22 07:22	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			04/09/22 07:22	1
1,3,5-Trimethylbenzene	0.00031	U	0.0010	0.00031	mg/Kg			04/09/22 07:22	1
1,3-Dichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg			04/09/22 07:22	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			04/09/22 07:22	1
2-Butanone (MEK)	0.00037	U	0.0050	0.00037	mg/Kg			04/09/22 07:22	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			04/09/22 07:22	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			04/09/22 07:22	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			04/09/22 07:22	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			04/09/22 07:22	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			04/09/22 07:22	1
Bromomethane	0.0010	U	0.0020	0.0010	mg/Kg			04/09/22 07:22	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			04/09/22 07:22	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			04/09/22 07:22	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/09/22 07:22	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			04/09/22 07:22	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			04/09/22 07:22	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			04/09/22 07:22	1
Chloroform	0.00097	U	0.0010	0.00097	mg/Kg			04/09/22 07:22	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			04/09/22 07:22	1
cis-1,2-Dichloroethene	0.00036	U	0.0010	0.00036	mg/Kg			04/09/22 07:22	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			04/09/22 07:22	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			04/09/22 07:22	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			04/09/22 07:22	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			04/09/22 07:22	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			04/09/22 07:22	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			04/09/22 07:22	1
Isopropylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/09/22 07:22	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			04/09/22 07:22	1
Methyl tert-butyl ether	0.00051	U	0.0010	0.00051	mg/Kg			04/09/22 07:22	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			04/09/22 07:22	1
Methylene Chloride	0.0011	U	0.0020	0.0011	mg/Kg			04/09/22 07:22	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			04/09/22 07:22	1
n-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/09/22 07:22	1
N-Propylbenzene	0.00018	U	0.0010	0.00018	mg/Kg			04/09/22 07:22	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			04/09/22 07:22	1
sec-Butylbenzene	0.00029	U	0.0010	0.00029	mg/Kg			04/09/22 07:22	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			04/09/22 07:22	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			04/09/22 07:22	1
tert-Butylbenzene	0.00028	U	0.0010	0.00028	mg/Kg			04/09/22 07:22	1
1,2-Dichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			04/09/22 07:22	1
Tetrachloroethene	0.00031	U	0.0010	0.00031	mg/Kg			04/09/22 07:22	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			04/09/22 07:22	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			04/09/22 07:22	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			04/09/22 07:22	1

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

Lab Sample ID: MB 460-838227/7
Matrix: Solid
Analysis Batch: 838227

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			04/09/22 07:22	1
Trichloroethene	0.00032	U	0.0010	0.00032	mg/Kg			04/09/22 07:22	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			04/09/22 07:22	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			04/09/22 07:22	1
Xylenes, Total	0.00064	U	0.0020	0.00064	mg/Kg			04/09/22 07:22	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*mg/Kg*					*04/09/22 07:22*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 145*		*04/09/22 07:22*	*1*
4-Bromofluorobenzene	*101*		*70 - 139*		*04/09/22 07:22*	*1*
Dibromofluoromethane (Surr)	*105*		*48 - 150*		*04/09/22 07:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*04/09/22 07:22*	*1*

Lab Sample ID: LCS 460-838227/3
Matrix: Solid
Analysis Batch: 838227

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	0.0200	0.0212		mg/Kg		106	78 - 132
1,1,2,2-Tetrachloroethane	0.0200	0.0195		mg/Kg		98	69 - 123
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0259		mg/Kg		130	78 - 136
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	75 - 120
1,1-Dichloroethane	0.0200	0.0218		mg/Kg		109	76 - 129
1,1-Dichloroethene	0.0200	0.0247		mg/Kg		124	77 - 132
1,2,3-Trichlorobenzene	0.0200	0.0197		mg/Kg		98	65 - 144
1,2,4-Trichlorobenzene	0.0200	0.0199		mg/Kg		100	75 - 120
1,2,4-Trimethylbenzene	0.0200	0.0187		mg/Kg		93	79 - 120
1,2-Dichloropropane	0.0200	0.0192		mg/Kg		96	73 - 124
1,3,5-Trimethylbenzene	0.0200	0.0185		mg/Kg		93	79 - 120
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
1,4-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120
2-Butanone (MEK)	0.100	0.0909		mg/Kg		91	75 - 120
2-Hexanone	0.100	0.0784		mg/Kg		78	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0815		mg/Kg		81	80 - 122
Acetone	0.100	0.102		mg/Kg		102	63 - 131
Benzene	0.0200	0.0193		mg/Kg		96	80 - 123
Bromoform	0.0200	0.0179		mg/Kg		90	48 - 142
Bromomethane	0.0200	0.0229		mg/Kg		114	46 - 150
Carbon disulfide	0.0200	0.0243		mg/Kg		121	67 - 136
Carbon tetrachloride	0.0200	0.0211		mg/Kg		105	72 - 136
Chlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120
Chlorobromomethane	0.0200	0.0191		mg/Kg		95	76 - 127
Chlorodibromomethane	0.0200	0.0182		mg/Kg		91	62 - 128
Chloroethane	0.0200	0.0225		mg/Kg		113	49 - 150
Chloroform	0.0200	0.0192		mg/Kg		96	79 - 126

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

Lab Sample ID: LCS 460-838227/3
Matrix: Solid
Analysis Batch: 838227

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloromethane	0.0200	0.0207		mg/Kg		103	48 - 150
cis-1,2-Dichloroethene	0.0200	0.0196		mg/Kg		98	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0191		mg/Kg		95	72 - 120
Cyclohexane	0.0200	0.0203		mg/Kg		102	80 - 132
Dichlorobromomethane	0.0200	0.0179		mg/Kg		90	73 - 124
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		92	40 - 146
Ethylbenzene	0.0200	0.0186		mg/Kg		93	80 - 120
Ethylene Dibromide	0.0200	0.0190		mg/Kg		95	79 - 120
Isopropylbenzene	0.0200	0.0169		mg/Kg		84	80 - 120
Methyl acetate	0.0400	0.0482		mg/Kg		121	58 - 143
Methyl tert-butyl ether	0.0200	0.0230		mg/Kg		115	80 - 125
Methylcyclohexane	0.0200	0.0190		mg/Kg		95	79 - 133
Methylene Chloride	0.0200	0.0223		mg/Kg		111	76 - 127
m-Xylene & p-Xylene	0.0200	0.0185		mg/Kg		92	80 - 120
n-Butylbenzene	0.0200	0.0184		mg/Kg		92	77 - 123
N-Propylbenzene	0.0200	0.0187		mg/Kg		94	78 - 120
o-Xylene	0.0200	0.0165		mg/Kg		83	80 - 120
sec-Butylbenzene	0.0200	0.0185		mg/Kg		93	78 - 120
Styrene	0.0200	0.0169		mg/Kg		85	80 - 120
1,2-Dichloroethane	0.0200	0.0190		mg/Kg		95	70 - 132
tert-Butylbenzene	0.0200	0.0185		mg/Kg		92	76 - 120
1,2-Dichlorobenzene	0.0200	0.0189		mg/Kg		94	80 - 120
Tetrachloroethene	0.0200	0.0197		mg/Kg		99	78 - 123
1,2-Dibromo-3-Chloropropane	0.0200	0.0191		mg/Kg		95	60 - 126
Toluene	0.0200	0.0187		mg/Kg		93	80 - 120
trans-1,2-Dichloroethene	0.0200	0.0227		mg/Kg		114	78 - 128
trans-1,3-Dichloropropene	0.0200	0.0181		mg/Kg		90	68 - 120
Trichloroethene	0.0200	0.0187		mg/Kg		93	79 - 120
Trichlorofluoromethane	0.0200	0.0233		mg/Kg		117	67 - 142
Vinyl chloride	0.0200	0.0218		mg/Kg		109	56 - 147
Xylenes, Total	0.0400	0.0350		mg/Kg		88	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*101*		*48 - 150*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: LCSD 460-838227/4
Matrix: Solid
Analysis Batch: 838227

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0207		mg/Kg		103	78 - 132	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0205		mg/Kg		102	69 - 123	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0255		mg/Kg		128	78 - 136	2	30
1,1,2-Trichloroethane	0.0200	0.0190		mg/Kg		95	75 - 120	1	30
1,1-Dichloroethane	0.0200	0.0207		mg/Kg		104	76 - 129	5	30

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

Lab Sample ID: LCSD 460-838227/4
Matrix: Solid
Analysis Batch: 838227

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethene	0.0200	0.0257		mg/Kg		129	77 - 132	4	30
1,2,3-Trichlorobenzene	0.0200	0.0198		mg/Kg		99	65 - 144	1	30
1,2,4-Trichlorobenzene	0.0200	0.0197		mg/Kg		98	75 - 120	1	30
1,2,4-Trimethylbenzene	0.0200	0.0187		mg/Kg		93	79 - 120	0	30
1,2-Dichloropropane	0.0200	0.0193		mg/Kg		97	73 - 124	1	30
1,3,5-Trimethylbenzene	0.0200	0.0183		mg/Kg		91	79 - 120	1	30
1,3-Dichlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120	5	30
1,4-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	80 - 120	1	30
2-Butanone (MEK)	0.100	0.0887		mg/Kg		89	75 - 120	2	30
2-Hexanone	0.100	0.0816		mg/Kg		82	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0820		mg/Kg		82	80 - 122	1	30
Acetone	0.100	0.101		mg/Kg		101	63 - 131	1	30
Benzene	0.0200	0.0200		mg/Kg		100	80 - 123	4	30
Bromoform	0.0200	0.0195		mg/Kg		97	48 - 142	8	30
Bromomethane	0.0200	0.0218		mg/Kg		109	46 - 150	5	30
Carbon disulfide	0.0200	0.0247		mg/Kg		124	67 - 136	2	30
Carbon tetrachloride	0.0200	0.0205		mg/Kg		103	72 - 136	3	30
Chlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	3	30
Chlorobromomethane	0.0200	0.0196		mg/Kg		98	76 - 127	3	30
Chlorodibromomethane	0.0200	0.0184		mg/Kg		92	62 - 128	1	30
Chloroethane	0.0200	0.0216		mg/Kg		108	49 - 150	4	30
Chloroform	0.0200	0.0196		mg/Kg		98	79 - 126	2	30
Chloromethane	0.0200	0.0207		mg/Kg		104	48 - 150	0	30
cis-1,2-Dichloroethene	0.0200	0.0205		mg/Kg		103	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0185		mg/Kg		93	72 - 120	3	30
Cyclohexane	0.0200	0.0202		mg/Kg		101	80 - 132	0	30
Dichlorobromomethane	0.0200	0.0182		mg/Kg		91	73 - 124	1	30
Dichlorodifluoromethane	0.0200	0.0184		mg/Kg		92	40 - 146	0	30
Ethylbenzene	0.0200	0.0181		mg/Kg		91	80 - 120	3	30
Ethylene Dibromide	0.0200	0.0191		mg/Kg		95	79 - 120	0	30
Isopropylbenzene	0.0200	0.0168		mg/Kg		84	80 - 120	0	30
Methyl acetate	0.0400	0.0540		mg/Kg		135	58 - 143	11	30
Methyl tert-butyl ether	0.0200	0.0232		mg/Kg		116	80 - 125	1	30
Methylcyclohexane	0.0200	0.0195		mg/Kg		98	79 - 133	3	30
Methylene Chloride	0.0200	0.0223		mg/Kg		112	76 - 127	0	30
m-Xylene & p-Xylene	0.0200	0.0191		mg/Kg		95	80 - 120	3	30
n-Butylbenzene	0.0200	0.0182		mg/Kg		91	77 - 123	1	30
N-Propylbenzene	0.0200	0.0191		mg/Kg		96	78 - 120	2	30
o-Xylene	0.0200	0.0171		mg/Kg		85	80 - 120	3	30
sec-Butylbenzene	0.0200	0.0181		mg/Kg		90	78 - 120	3	30
Styrene	0.0200	0.0176		mg/Kg		88	80 - 120	4	30
1,2-Dichloroethane	0.0200	0.0197		mg/Kg		99	70 - 132	4	30
tert-Butylbenzene	0.0200	0.0180		mg/Kg		90	76 - 120	3	30
1,2-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	80 - 120	1	30
Tetrachloroethene	0.0200	0.0201		mg/Kg		100	78 - 123	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0205		mg/Kg		102	60 - 126	7	30
Toluene	0.0200	0.0185		mg/Kg		93	80 - 120	1	30
trans-1,2-Dichloroethene	0.0200	0.0228		mg/Kg		114	78 - 128	1	30
trans-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	68 - 120	2	30

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

Lab Sample ID: LCSD 460-838227/4
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 838227

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Trichloroethene			0.0200	0.0187		mg/Kg		93	79 - 120	0	30
Trichlorofluoromethane			0.0200	0.0236		mg/Kg		118	67 - 142	1	30
Vinyl chloride			0.0200	0.0218		mg/Kg		109	56 - 147	0	30
Xylenes, Total			0.0400	0.0362		mg/Kg		90	80 - 120	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 145*
4-Bromofluorobenzene	*102*		*70 - 139*
Dibromofluoromethane (Surr)	*102*		*48 - 150*
Toluene-d8 (Surr)	*100*		*80 - 120*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs

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

GC/MS VOA

Prep Batch: 837649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-1	SB-8 (0-5)	Total/NA	Solid	5035	
460-255692-2	SB-8 (8-8.5)	Total/NA	Solid	5035	
460-255692-3	SB-11 (4-4.5)	Total/NA	Solid	5035	
460-255692-4	SB-11 (9.5-10)	Total/NA	Solid	5035	
460-255692-5	SB-14 (4-5)	Total/NA	Solid	5035	
460-255692-6	SB-14 (6-10)	Total/NA	Solid	5035	
460-255692-7	SB-15 (3-5)	Total/NA	Solid	5035	
460-255692-8	SB-15 (12-13)	Total/NA	Solid	5035	
460-255692-9	DUP	Total/NA	Solid	5035	
460-255692-10	SB-9 (4-5)	Total/NA	Solid	5035	
460-255692-11	SB-9 (7-7.5)	Total/NA	Solid	5035	
460-255692-12	SB-12 (0-5)	Total/NA	Solid	5035	
460-255692-13	SB-12 (7-8)	Total/NA	Solid	5035	
460-255692-14	SB-12 (15-15.5)	Total/NA	Solid	5035	
460-255692-15	SB-10 (2.5-5)	Total/NA	Solid	5035	
460-255692-16	SB-10 (7-7.5)	Total/NA	Solid	5035	
460-255692-17	SB-10 (15-15.5)	Total/NA	Solid	5035	
460-255692-18	SB-13 (2-2.5)	Total/NA	Solid	5035	
460-255692-19	SB-13 (7-7.5)	Total/NA	Solid	5035	
460-255692-20	SB-16 (3-5)	Total/NA	Solid	5035	
460-255692-21	SB-16 (7-7.5)	Total/NA	Solid	5035	
LB3 460-837649/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 838022

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-22	TB	Total/NA	Water	8260D	
460-255692-23	FB	Total/NA	Water	8260D	
MB 460-838022/9	Method Blank	Total/NA	Water	8260D	
LCS 460-838022/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-838022/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 838140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-1	SB-8 (0-5)	Total/NA	Solid	8260D	837649
460-255692-2	SB-8 (8-8.5)	Total/NA	Solid	8260D	837649
460-255692-3	SB-11 (4-4.5)	Total/NA	Solid	8260D	837649
460-255692-4	SB-11 (9.5-10)	Total/NA	Solid	8260D	837649
460-255692-5	SB-14 (4-5)	Total/NA	Solid	8260D	837649
460-255692-6	SB-14 (6-10)	Total/NA	Solid	8260D	837649
460-255692-7	SB-15 (3-5)	Total/NA	Solid	8260D	837649
460-255692-8	SB-15 (12-13)	Total/NA	Solid	8260D	837649
460-255692-9	DUP	Total/NA	Solid	8260D	837649
460-255692-10	SB-9 (4-5)	Total/NA	Solid	8260D	837649
460-255692-11	SB-9 (7-7.5)	Total/NA	Solid	8260D	837649
460-255692-12	SB-12 (0-5)	Total/NA	Solid	8260D	837649
460-255692-13	SB-12 (7-8)	Total/NA	Solid	8260D	837649
460-255692-14	SB-12 (15-15.5)	Total/NA	Solid	8260D	837649
460-255692-15	SB-10 (2.5-5)	Total/NA	Solid	8260D	837649
460-255692-16	SB-10 (7-7.5)	Total/NA	Solid	8260D	837649
460-255692-17	SB-10 (15-15.5)	Total/NA	Solid	8260D	837649
460-255692-18	SB-13 (2-2.5)	Total/NA	Solid	8260D	837649

GC/MS VOA (Continued)

Analysis Batch: 838140 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-19	SB-13 (7-7.5)	Total/NA	Solid	8260D	837649
460-255692-20	SB-16 (3-5)	Total/NA	Solid	8260D	837649
LB3 460-837649/1-A	Method Blank	Total/NA	Solid	8260D	837649
MB 460-838140/9	Method Blank	Total/NA	Solid	8260D	
LCS 460-838140/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-838140/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 838227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-21	SB-16 (7-7.5)	Total/NA	Solid	8260D	837649
MB 460-838227/7	Method Blank	Total/NA	Solid	8260D	
LCS 460-838227/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 460-838227/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

General Chemistry

Analysis Batch: 837666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-1	SB-8 (0-5)	Total/NA	Solid	Moisture	
460-255692-2	SB-8 (8-8.5)	Total/NA	Solid	Moisture	
460-255692-3	SB-11 (4-4.5)	Total/NA	Solid	Moisture	
460-255692-4	SB-11 (9.5-10)	Total/NA	Solid	Moisture	
460-255692-5	SB-14 (4-5)	Total/NA	Solid	Moisture	
460-255692-6	SB-14 (6-10)	Total/NA	Solid	Moisture	
460-255692-7	SB-15 (3-5)	Total/NA	Solid	Moisture	
460-255692-8	SB-15 (12-13)	Total/NA	Solid	Moisture	
460-255692-9	DUP	Total/NA	Solid	Moisture	
460-255692-10	SB-9 (4-5)	Total/NA	Solid	Moisture	
460-255692-11	SB-9 (7-7.5)	Total/NA	Solid	Moisture	
460-255692-12	SB-12 (0-5)	Total/NA	Solid	Moisture	
460-255692-13	SB-12 (7-8)	Total/NA	Solid	Moisture	
460-255692-14	SB-12 (15-15.5)	Total/NA	Solid	Moisture	
460-255692-15	SB-10 (2.5-5)	Total/NA	Solid	Moisture	
460-255692-16	SB-10 (7-7.5)	Total/NA	Solid	Moisture	
460-255692-16 DU	SB-10 (7-7.5)	Total/NA	Solid	Moisture	

Analysis Batch: 837678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255692-17	SB-10 (15-15.5)	Total/NA	Solid	Moisture	
460-255692-18	SB-13 (2-2.5)	Total/NA	Solid	Moisture	
460-255692-19	SB-13 (7-7.5)	Total/NA	Solid	Moisture	
460-255692-20	SB-16 (3-5)	Total/NA	Solid	Moisture	
460-255692-21	SB-16 (7-7.5)	Total/NA	Solid	Moisture	
460-255715-B-15 DU	Duplicate	Total/NA	Solid	Moisture	

Client Sample ID: SB-8 (0-5)
Date Collected: 04/05/22 09:10
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-8 (0-5)
Date Collected: 04/05/22 09:10
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-1
Matrix: Solid
Percent Solids: 94.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:45	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 19:23	AAT	TAL EDI

Client Sample ID: SB-8 (8-8.5)
Date Collected: 04/05/22 09:20
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-8 (8-8.5)
Date Collected: 04/05/22 09:20
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-2
Matrix: Solid
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:47	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 19:46	AAT	TAL EDI

Client Sample ID: SB-11 (4-4.5)
Date Collected: 04/05/22 09:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-11 (4-4.5)
Date Collected: 04/05/22 09:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-3
Matrix: Solid
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:48	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 20:09	AAT	TAL EDI

Client Sample ID: SB-11 (9.5-10)
Date Collected: 04/05/22 09:45
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255692-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255692-4

Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:49	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 20:31	AAT	TAL EDI

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255692-5

Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255692-5

Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:51	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 20:53	AAT	TAL EDI

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255692-6

Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255692-6

Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:52	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 21:15	AAT	TAL EDI

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255692-7

Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255692-7
Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:53	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 21:37	AAT	TAL EDI

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255692-8
Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255692-8
Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:54	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 21:59	AAT	TAL EDI

Client Sample ID: DUP
Lab Sample ID: 460-255692-9
Date Collected: 04/05/22 00:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: DUP
Lab Sample ID: 460-255692-9
Date Collected: 04/05/22 00:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:56	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 22:22	AAT	TAL EDI

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255692-10
Date Collected: 04/05/22 11:15
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255692-10
Date Collected: 04/05/22 11:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 99.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:57	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 22:45	AAT	TAL EDI

Client Sample ID: SB-9 (7-7.5)
Lab Sample ID: 460-255692-11
Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-9 (7-7.5)
Lab Sample ID: 460-255692-11
Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 11:58	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 23:06	AAT	TAL EDI

Client Sample ID: SB-12 (0-5)
Lab Sample ID: 460-255692-12
Date Collected: 04/05/22 12:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-12 (0-5)
Lab Sample ID: 460-255692-12
Date Collected: 04/05/22 12:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:00	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 23:28	AAT	TAL EDI

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255692-13
Date Collected: 04/05/22 11:50
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255692-13
Date Collected: 04/05/22 11:50
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:01	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/08/22 23:51	AAT	TAL EDI

Client Sample ID: SB-12 (15-15.5)
Lab Sample ID: 460-255692-14
Date Collected: 04/05/22 12:05
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-12 (15-15.5)
Lab Sample ID: 460-255692-14
Date Collected: 04/05/22 12:05
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:02	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 00:13	AAT	TAL EDI

Client Sample ID: SB-10 (2.5-5)
Lab Sample ID: 460-255692-15
Date Collected: 04/05/22 12:30
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-10 (2.5-5)
Lab Sample ID: 460-255692-15
Date Collected: 04/05/22 12:30
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:03	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 00:34	AAT	TAL EDI

Client Sample ID: SB-10 (7-7.5)
Lab Sample ID: 460-255692-16
Date Collected: 04/05/22 12:35
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837666	04/06/22 16:08	CJC	TAL EDI

Client Sample ID: SB-10 (7-7.5)
Lab Sample ID: 460-255692-16

Date Collected: 04/05/22 12:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:05	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 00:56	AAT	TAL EDI

Client Sample ID: SB-10 (15-15.5)
Lab Sample ID: 460-255692-17

Date Collected: 04/05/22 12:40
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-10 (15-15.5)
Lab Sample ID: 460-255692-17

Date Collected: 04/05/22 12:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:06	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 01:19	AAT	TAL EDI

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255692-18

Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255692-18

Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:07	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 01:42	AAT	TAL EDI

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255692-19

Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255692-19
Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:09	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 02:04	AAT	TAL EDI

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255692-20
Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255692-20
Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:10	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838140	04/09/22 02:27	AAT	TAL EDI

Client Sample ID: SB-16 (7-7.5)
Lab Sample ID: 460-255692-21
Date Collected: 04/05/22 13:25
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-16 (7-7.5)
Lab Sample ID: 460-255692-21
Date Collected: 04/05/22 13:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837649	04/06/22 12:11	YXG	TAL EDI
Total/NA	Analysis	8260D		1	838227	04/09/22 08:09	AAT	TAL EDI

Client Sample ID: TB
Lab Sample ID: 460-255692-22
Date Collected: 04/05/22 00:00
Matrix: Water
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	838022	04/08/22 11:02	CJM	TAL EDI

Client Sample ID: FB
Lab Sample ID: 460-255692-23
Date Collected: 04/05/22 08:10
Matrix: Water
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	838022	04/08/22 11:25	CJM	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255692-1
Project/Site: Bridge Cleaners

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

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

Shipping and Receiving Documents

Chain of Custody Record

NYC 222

635941

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: NY 375

TAL-8210

Client Contact	Project Manager: N. Krawiecky	Site Contact: Ashlyn Norberg	Date: 4/5/22	COC No: 1
Company Name: ECC Horizon	Tel/Email: nkrawiecky@eichorizon.com	Lab Contact:	Carrier:	1 of 2 COCs
Address: 1 Emery Ave, Unit 2	Analysis Turnaround Time			Sampler:
City/State/Zip: Randolph NJ	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 973 989 8010	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Bridge Cleaners	☒ 1 week - 5 day			Job / SDG No.: 255692
Site: Bridge Cleaners	☐ 2 days			
P O #	☐ 1 day			

460-255692 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC	###	Total Solids	Sample Specific Notes:
SB-8 (0-5)	4/5/22	910	G	S	4			X		X	1
SB-8 (8-8.5)		920	G		4			X		X	2
SB-11 (4-4.5)		940			4			X		X	3
SB-11 (9.5-10)		945			4			X		X	4
SB-14 (4-5)		1000			4			X		X	5
SB-14 (6-10)		1010			4			X		X	6
SB-15 (3-5)		1045			4			X		X	7
SB-15 ~~(DUP)~~ (12-13)		1100			4			X		X	8
DUP		—			4			X		X	9
SB-9 (4-5)		1115			4			X		X	10
SB-9 (7-7.5)		1120			4			X		X	11
SB-12 (0-5)		1200			4			X		X	12

SHORT HOLD

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
ASP Cat. B deliverable

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	ECC	4/5/22 16:00	Received by:	TA NYC	04/05/22 16:00
Relinquished by:	TA NYC	04/05/22 17:00	Received by:		4522 1700
Relinquished by:		4522 1700	Received in Laboratory by:		4/5/22 1700

NYC 222

Chain of Custody Record

635943

eurofins | Environment Testing America

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other: NY 375

TAL-8210

Client Contact	Project Manager: N Krasnecky	Site Contact: Ashlyn Norberg	Date: 4/5/22	COC No: 1
Company Name: ECC Horizon	Tel/Email: nkrasnecky@ecchorizon.com	Lab Contact:	Carrier:	2 of 2 COCs
Address: 1 Emery Ave, Unit 2	Analysis Turnaround Time			Sampler:
City/State/Zip: Randolph NJ	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 973 989 8010	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Bridge Cleaners	☒ 1 week - 5 day			Job / SDG No.: 255692
Site: Bridge Cleaners	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOC	Total Solids												Sample Specific Notes:
SB-12 (7-8)	4/5/22	1150	G	S	4			X	X												13
SB-12 (15-15.5)		1205			4			X	X												14
SB-10 (2.5-5)		1230			4			X	X												15
SB-10 (7-7.5)		1235			4			X	X												16
SB-10 (15-15.5)		1240			4			X	X												17
SB-13 (2-2.5)		1255			4			X	X												18
SB-13 (7-7.5)		1300			4			X	X												19
SB-16 (3-5)		1320			4			X	X												20
SB-16 (7-7.5)		1325			4			X	X												21
TB			TB	TB	2			X													22
FB		810	FB	FB	2			X													23

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
ASP Cat B deliverable

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: ECC	Date/Time: 4/5/22 16:00	Received by:	Company: TA NYC	Date/Time: 04/05/22 16:00
Relinquished by:	Company: TA NYC	Date/Time: 04/05/22 17:00	Received by:	Company:	Date/Time: 4522 1700
Relinquished by:	Company:	Date/Time: 4522 1845	Received in Laboratory by:	Company:	Date/Time: 4/5/22 1845

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 255692

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	22 °C	24 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	26 °C	28 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	13 °C	15 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 4522

Login Sample Receipt Checklist

Client: Environmental Compliance & Control Inc

Job Number: 460-255692-1

Login Number: 255692
List Number: 1
Creator: Khlungprakhon, Sukanya

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Composite Sampling Analytical Report

ANALYTICAL REPORT

Job Number: 460-255715-1

Job Description: Bridge Cleaners

For:
Environmental Compliance & Control Inc
1 Emery Avenue
Unit 2
Randolph, NJ 07869

Attention: Nicholas Krasnecky



Approved for release.
Kristyn L Tempe
Manager of Project Management
4/20/2022 9:57 AM

Kristyn L Tempe, Manager of Project Management
777 New Durham Road, Edison, NJ, 08817
(732)549-3900
Kristyn.Tempe@et.eurofinsus.com
04/20/2022

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to the NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. This report is confidential and is intended for the sole use of Eurofins Environment Testing Northeast, LLC Edison and its client. All questions regarding this report should be directed to the Eurofins Environment Testing Northeast, LLC Edison Project Manager or designee who has signed this report.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

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

Job Number: 460-255715-1

Job Description: Bridge Cleaners

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Approved for release.
Kristyn L Tempe
Manager of Project Management
4/20/2022 9:57 AM

Kristyn L Tempe

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CASE NARRATIVE

Client: Environmental Compliance & Control Inc

Project: Bridge Cleaners

Report Number: 460-255715-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 04/05/2022; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.5º C, 2.4º C and 2.8º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

Receipt Exceptions

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): The container labels list SB-10(2.5-5), while the COC lists SB-10(7-7.5).

The container labels list time 12:30 while the COC lists time 12:35.

Per client email, the following ID and time should be used SB-10(2.5-5) @ 12:30

The following samples were activated for DRO by the client on 4/13/22 : SB-13 (2-2.5) (460-255715-13), SB-13 (7-7.5) (460-255715-14) and SB-16 (3-5) (460-255715-15).

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Methods 8270E. The samples were prepared on 04/06/2022 and analyzed on 04/07/2022.

The continuing calibration verification (CCV) analyzed in batch 460-837819 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Caprolactam failed the recovery criteria low for the MS of sample 460-255680-1 in batch 460-837819.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

GASOLINE RANGE ORGANICS
Samples SB-8 (0-5) (460-255715-1), SB-8 (8-8.5) (460-255715-2), SB-11 (4-4.5) (460-255715-3), SB-11 (9.5-10) (460-255715-4), SB-14

(4-5) (460-255715-5), SB-14 (6-10) (460-255715-6), SB-15 (3-5) (460-255715-7), SB-15 (12-13) (460-255715-8), SB-9 (4-5) (460-255715-9), SB-12 (0-5) (460-255715-10), SB-12 (7-8) (460-255715-11), SB-10(2.5-5) (460-255715-12), SB-13 (2-2.5) (460-255715-13), SB-13 (7-7.5) (460-255715-14) and SB-16 (3-5) (460-255715-15) were analyzed for gasoline range organics in accordance with EPA SW-846 Method 8015D - GRO. The samples were prepared on 04/06/2022 and analyzed on 04/07/2022.

No difficulties were encountered during the GRO analysis.

All quality control parameters were within the acceptance limits.

DIESEL RANGE ORGANICS

Samples SB-8 (0-5) (460-255715-1), SB-8 (8-8.5) (460-255715-2), SB-11 (4-4.5) (460-255715-3), SB-11 (9.5-10) (460-255715-4), SB-14 (4-5) (460-255715-5), SB-14 (6-10) (460-255715-6), SB-15 (3-5) (460-255715-7), SB-15 (12-13) (460-255715-8), SB-9 (4-5) (460-255715-9), SB-12 (0-5) (460-255715-10), SB-12 (7-8) (460-255715-11), SB-10(2.5-5) (460-255715-12), SB-13 (2-2.5) (460-255715-13), SB-13 (7-7.5) (460-255715-14) and SB-16 (3-5) (460-255715-15) were analyzed for diesel range organics in accordance with EPA SW-846 Method 8015D - DRO. The samples were prepared on 04/06/2022 and 04/18/2022 and analyzed on 04/08/2022 and 04/19/2022.

Due to an instrument software issue, the injection date of April 8 2022 that appears on the data should be, April 9 2022. This samples were analyzed within hold time.SB-8 (0-5) (460-255715-1), SB-8 (8-8.5) (460-255715-2), SB-11 (4-4.5) (460-255715-3), SB-11 (9.5-10) (460-255715-4), SB-14 (4-5) (460-255715-5), SB-14 (6-10) (460-255715-6), SB-15 (3-5) (460-255715-7), SB-15 (12-13) (460-255715-8), SB-9 (4-5) (460-255715-9), SB-12 (0-5) (460-255715-10), SB-12 (7-8) (460-255715-11), SB-10(2.5-5) (460-255715-12), (CCV 460-837799/44), (CCV 460-837799/56), (CCV 460-837799/60), (PIBLK 460-837799/43), (PIBLK 460-837799/55) and (PIBLK 460-837799/59)

No other difficulties were encountered during the DRO analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 04/06/2022 and analyzed on 04/07/2022.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

TCLP METALS

Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for TCLP Metals in accordance with EPA SW-846 Method 6020B - TCLP/1311. The samples were leached on 04/08/2022 and 04/09/2022, prepared on 04/09/2022 and 04/10/2022 and analyzed on 04/10/2022 and 04/11/2022.

No difficulties were encountered during the TCLP Metals analysis.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared on 04/08/2022 and analyzed on 04/10/2022.

Antimony, Barium, Iron and Zinc failed the recovery criteria low for the MS of sample 460-254625-1 in batch 460-838367. Aluminum failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The samples were leached on 04/08/2022 and 04/09/2022, and prepared and analyzed on 04/11/2022.

No difficulties were encountered during the TCLP Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples COMP-1 (460-255715-16), COMP-2 (460-255715-17) and COMP-3 (460-255715-18) were analyzed for total mercury in

accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 04/07/2022.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

IGNITABILITY
Sample COMP-4 (460-255715-19) was analyzed for Ignitability in accordance with EPA SW-846 Method 1030. The samples were analyzed on 04/10/2022.

No difficulties were encountered during the Ignitability analysis.

All quality control parameters were within the acceptance limits.

REACTIVE CYANIDE
Sample COMP-4 (460-255715-19) was analyzed for reactive cyanide in accordance with EPA SW-846 Method 7.3.3/9014. The samples were prepared and analyzed on 04/12/2022.

No difficulties were encountered during the reactive cyanide analysis.

All quality control parameters were within the acceptance limits.

REACTIVE SULFIDE
Sample COMP-4 (460-255715-19) was analyzed for reactive sulfide in accordance with EPA SW-846 Method 7.3.4/9034. The samples were prepared and analyzed on 04/12/2022.

No difficulties were encountered during the reactive sulfide analysis.

All quality control parameters were within the acceptance limits.

CORROSIVITY (PH)
Sample COMP-4 (460-255715-19) was analyzed for corrosivity (pH) in accordance with EPA SW-846 Method 9045D. The samples were analyzed on 04/09/2022.

No difficulties were encountered during the corrosivity (pH) analysis.

All quality control parameters were within the acceptance limits.

PAINT FILTER
Sample COMP-4 (460-255715-19) was analyzed for Paint Filter in accordance with EPA SW-846 Method 9095B. The samples were analyzed on 04/08/2022.

No difficulties were encountered during the Free Liquids analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE
Samples SB-8 (0-5) (460-255715-1), SB-8 (8-8.5) (460-255715-2), SB-11 (4-4.5) (460-255715-3), SB-11 (9.5-10) (460-255715-4), SB-14 (4-5) (460-255715-5), SB-14 (6-10) (460-255715-6), SB-15 (3-5) (460-255715-7), SB-15 (12-13) (460-255715-8), SB-9 (4-5) (460-255715-9), SB-12 (0-5) (460-255715-10), SB-12 (7-8) (460-255715-11), SB-10(2.5-5) (460-255715-12), SB-13 (2-2.5) (460-255715-13), SB-13 (7-7.5) (460-255715-14), SB-16 (3-5) (460-255715-15), COMP-1 (460-255715-16), COMP-2 (460-255715-17), COMP-3 (460-255715-18) and COMP-4 (460-255715-19) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 04/06/2022.

Percent Moisture exceeded the RPD limit for the duplicate of sample SB-16 (3-5)DU (460-255715-15).

Refer to the QC report for details.

No other difficulties were encountered during the %solids/moisture analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-255715-1	SB-8 (0-5)	Solid	04/05/22 09:10	04/05/22 18:00
460-255715-2	SB-8 (8-8.5)	Solid	04/05/22 09:20	04/05/22 18:00
460-255715-3	SB-11 (4-4.5)	Solid	04/05/22 09:40	04/05/22 18:00
460-255715-4	SB-11 (9.5-10)	Solid	04/05/22 09:45	04/05/22 18:00
460-255715-5	SB-14 (4-5)	Solid	04/05/22 10:00	04/05/22 18:00
460-255715-6	SB-14 (6-10)	Solid	04/05/22 10:10	04/05/22 18:00
460-255715-7	SB-15 (3-5)	Solid	04/05/22 10:45	04/05/22 18:00
460-255715-8	SB-15 (12-13)	Solid	04/05/22 11:00	04/05/22 18:00
460-255715-9	SB-9 (4-5)	Solid	04/05/22 11:20	04/05/22 18:00
460-255715-10	SB-12 (0-5)	Solid	04/05/22 12:00	04/05/22 18:00
460-255715-11	SB-12 (7-8)	Solid	04/05/22 11:50	04/05/22 18:00
460-255715-12	SB-10(2.5-5)	Solid	04/05/22 12:30	04/05/22 18:00
460-255715-13	SB-13 (2-2.5)	Solid	04/05/22 12:55	04/05/22 18:00
460-255715-14	SB-13 (7-7.5)	Solid	04/05/22 13:00	04/05/22 18:00
460-255715-15	SB-16 (3-5)	Solid	04/05/22 13:20	04/05/22 18:00
460-255715-16	COMP-1	Solid	04/05/22 10:25	04/05/22 18:00
460-255715-17	COMP-2	Solid	04/05/22 12:15	04/05/22 18:00
460-255715-18	COMP-3	Solid	04/05/22 13:35	04/05/22 18:00
460-255715-19	COMP-4	Solid	04/05/22 13:45	04/05/22 18:00

Detection Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

Client Sample ID: SB-8 (0-5) — Lab Sample ID: 460-255715-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C44	21		9.3	0.59	mg/Kg	1	☼	8015D	Total/NA

Client Sample ID: SB-8 (8-8.5) — Lab Sample ID: 460-255715-2

No Detections.

Client Sample ID: SB-11 (4-4.5) — Lab Sample ID: 460-255715-3

No Detections.

Client Sample ID: SB-11 (9.5-10) — Lab Sample ID: 460-255715-4

No Detections.

Client Sample ID: SB-14 (4-5) — Lab Sample ID: 460-255715-5

No Detections.

Client Sample ID: SB-14 (6-10) — Lab Sample ID: 460-255715-6

No Detections.

Client Sample ID: SB-15 (3-5) — Lab Sample ID: 460-255715-7

No Detections.

Client Sample ID: SB-15 (12-13) — Lab Sample ID: 460-255715-8

No Detections.

Client Sample ID: SB-9 (4-5) — Lab Sample ID: 460-255715-9

No Detections.

Client Sample ID: SB-12 (0-5) — Lab Sample ID: 460-255715-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C44	25		9.8	0.62	mg/Kg	1	☼	8015D	Total/NA

Client Sample ID: SB-12 (7-8) — Lab Sample ID: 460-255715-11

No Detections.

Client Sample ID: SB-10(2.5-5) — Lab Sample ID: 460-255715-12

No Detections.

Client Sample ID: SB-13 (2-2.5) — Lab Sample ID: 460-255715-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
C10-C44	84		9.1	0.58	mg/Kg	1	☼	8015D	Total/NA

Client Sample ID: SB-13 (7-7.5) — Lab Sample ID: 460-255715-14

No Detections.

Client Sample ID: SB-16 (3-5) — Lab Sample ID: 460-255715-15

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17	J	35	12	ug/Kg	1	☼	8270E	Total/NA
Chrysene	10	J	350	6.0	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	17	J	350	12	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	13	J	350	6.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	16	J	350	8.8	ug/Kg	1	☼	8270E	Total/NA
Aluminum	7350		17.2	4.7	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.6		0.86	0.089	mg/Kg	1	☼	6020B	Total/NA
Barium	46.4		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.28	J	0.34	0.049	mg/Kg	1	☼	6020B	Total/NA
Calcium	5560		86.0	15.2	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.12	J	0.86	0.097	mg/Kg	1	☼	6020B	Total/NA
Cobalt	5.7		1.7	0.13	mg/Kg	1	☼	6020B	Total/NA
Chromium	16.1		1.7	0.78	mg/Kg	1	☼	6020B	Total/NA
Copper	19.9		1.7	0.32	mg/Kg	1	☼	6020B	Total/NA
Iron	13100		51.6	17.4	mg/Kg	1	☼	6020B	Total/NA
Potassium	1140		86.0	13.9	mg/Kg	1	☼	6020B	Total/NA
Magnesium	5560		86.0	8.8	mg/Kg	1	☼	6020B	Total/NA
Manganese	241		3.4	0.35	mg/Kg	1	☼	6020B	Total/NA
Sodium	120		86.0	39.3	mg/Kg	1	☼	6020B	Total/NA
Nickel	12.5		1.7	0.40	mg/Kg	1	☼	6020B	Total/NA
Lead	99.4		0.52	0.17	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.10	J	0.34	0.035	mg/Kg	1	☼	6020B	Total/NA
Vanadium	27.2		1.7	0.18	mg/Kg	1	☼	6020B	Total/NA
Zinc	62.7		6.9	2.6	mg/Kg	1	☼	6020B	Total/NA
Barium	438		40.0	9.1	ug/L	10		6020B	TCLP
Lead	27.2		12.0	8.4	ug/L	10		6020B	TCLP
Mercury	0.00020		0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.013	J	0.018	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	7.9	J	350	3.5	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	64		35	12	ug/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	57		35	9.3	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	81		35	9.0	ug/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	45	J	350	10	ug/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	33	J	35	6.8	ug/Kg	1	☼	8270E	Total/NA
Chrysene	65	J	350	5.9	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	110	J	350	12	ug/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	76		35	14	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	41	J	350	6.1	ug/Kg	1	☼	8270E	Total/NA
Pyrene	110	J	350	8.6	ug/Kg	1	☼	8270E	Total/NA
Aluminum	6210		16.8	4.6	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.9		0.84	0.086	mg/Kg	1	☼	6020B	Total/NA
Barium	41.2		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.34	0.048	mg/Kg	1	☼	6020B	Total/NA
Calcium	3440		83.8	14.8	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.11	J	0.84	0.095	mg/Kg	1	☼	6020B	Total/NA
Cobalt	13.2		1.7	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	13.8		1.7	0.76	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: COMP-2 (Continued)
Lab Sample ID: 460-255715-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	13.6		1.7	0.31	mg/Kg	1	☼	6020B	Total/NA
Iron	10800		50.3	16.9	mg/Kg	1	☼	6020B	Total/NA
Potassium	688		83.8	13.6	mg/Kg	1	☼	6020B	Total/NA
Magnesium	3340		83.8	8.5	mg/Kg	1	☼	6020B	Total/NA
Manganese	248		3.4	0.34	mg/Kg	1	☼	6020B	Total/NA
Sodium	90.7		83.8	38.3	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.2		1.7	0.39	mg/Kg	1	☼	6020B	Total/NA
Lead	66.4		0.50	0.17	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.079	J	0.34	0.034	mg/Kg	1	☼	6020B	Total/NA
Vanadium	16.6		1.7	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	78.1		6.7	2.6	mg/Kg	1	☼	6020B	Total/NA
Barium	312		40.0	9.1	ug/L	10		6020B	TCLP
Lead	102		12.0	8.4	ug/L	10		6020B	TCLP
Mercury	0.00012	J	0.00020	0.000091	mg/L	1		7470A	TCLP
Mercury	0.093		0.017	0.0082	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	17	J	35	12	ug/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	11	J	35	9.1	ug/Kg	1	☼	8270E	Total/NA
Chrysene	10	J	350	5.9	ug/Kg	1	☼	8270E	Total/NA
Fluoranthene	16	J	350	12	ug/Kg	1	☼	8270E	Total/NA
Phenanthrene	11	J	350	6.2	ug/Kg	1	☼	8270E	Total/NA
Pyrene	17	J	350	8.7	ug/Kg	1	☼	8270E	Total/NA
Aluminum	5540		16.0	4.4	mg/Kg	1	☼	6020B	Total/NA
Arsenic	1.5		0.80	0.083	mg/Kg	1	☼	6020B	Total/NA
Barium	39.6		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.27	J	0.32	0.046	mg/Kg	1	☼	6020B	Total/NA
Calcium	4050		80.1	14.2	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.13	J	0.80	0.091	mg/Kg	1	☼	6020B	Total/NA
Cobalt	7.2		1.6	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	10.8		1.6	0.73	mg/Kg	1	☼	6020B	Total/NA
Copper	15.1		1.6	0.29	mg/Kg	1	☼	6020B	Total/NA
Iron	10200		48.1	16.2	mg/Kg	1	☼	6020B	Total/NA
Potassium	692		80.1	13.0	mg/Kg	1	☼	6020B	Total/NA
Magnesium	2380		80.1	8.2	mg/Kg	1	☼	6020B	Total/NA
Manganese	288		3.2	0.32	mg/Kg	1	☼	6020B	Total/NA
Sodium	155		80.1	36.6	mg/Kg	1	☼	6020B	Total/NA
Nickel	11.0		1.6	0.38	mg/Kg	1	☼	6020B	Total/NA
Lead	48.4		0.48	0.16	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.20	J	1.0	0.10	mg/Kg	1	☼	6020B	Total/NA
Thallium	0.073	J	0.32	0.033	mg/Kg	1	☼	6020B	Total/NA
Vanadium	15.5		1.6	0.17	mg/Kg	1	☼	6020B	Total/NA
Zinc	42.5		6.4	2.4	mg/Kg	1	☼	6020B	Total/NA
Barium	370		40.0	9.1	ug/L	10		6020B	TCLP
Lead	61.5		12.0	8.4	ug/L	10		6020B	TCLP
Mercury	0.036		0.018	0.0085	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

Client Sample ID: COMP-4
Lab Sample ID: 460-255715-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
pH	7.4	HF			SU	1		9045D	Total/NA
Temperature	20.9	HF			Degrees C	1		9045D	Total/NA
Corrosivity	7.4	HF			SU	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8015D	Gasoline Range Organics (GRO) (GC)	SW846	TAL EDI
8015D	Diesel Range Organics (DRO) (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
1030	Ignitability, Solids	SW846	TAL EDI
9014	Cyanide, Reactive	SW846	TAL EDI
9034	Sulfide, Reactive	SW846	TAL EDI
9045D	pH	SW846	TAL EDI
9095B	Paint Filter	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
1311	TCLP Extraction	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7.3.3	Cyanide, Reactive	SW846	TAL EDI
7.3.4	Sulfide, Reactive	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI

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 EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: SB-8 (0-5)
Lab Sample ID: 460-255715-1
Date Collected: 04/05/22 09:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3200	U	3200	3200	ug/Kg	☼	04/06/22 17:29	04/07/22 11:21	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*67 - 150*	*04/06/22 17:29*	*04/07/22 11:21*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	**21**		9.3	0.59	mg/Kg	☼	04/06/22 18:25	04/08/22 09:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*10 - 150*	*04/06/22 18:25*	*04/08/22 09:54*	*1*

Client Sample ID: SB-8 (8-8.5)
Lab Sample ID: 460-255715-2
Date Collected: 04/05/22 09:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 97.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3900	U	3900	3900	ug/Kg	☼	04/06/22 17:29	04/07/22 11:49	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*67 - 150*	*04/06/22 17:29*	*04/07/22 11:49*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.56	U	8.9	0.56	mg/Kg	☼	04/06/22 18:25	04/08/22 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*94*		*10 - 150*	*04/06/22 18:25*	*04/08/22 00:28*	*1*

Client Sample ID: SB-11 (4-4.5)
Lab Sample ID: 460-255715-3
Date Collected: 04/05/22 09:40
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 87.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3100	U	3100	3100	ug/Kg	☼	04/06/22 17:29	04/07/22 12:18	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*67 - 150*	*04/06/22 17:29*	*04/07/22 12:18*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.62	U	9.9	0.62	mg/Kg	☼	04/06/22 18:25	04/08/22 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*10 - 150*	*04/06/22 18:25*	*04/08/22 00:49*	*1*

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255715-4
Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 98.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3100	U	3100	3100	ug/Kg	☼	04/06/22 17:29	04/07/22 12:48	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*67 - 150*	*04/06/22 17:29*	*04/07/22 12:48*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.56	U	8.8	0.56	mg/Kg	☼	04/06/22 18:25	04/08/22 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*10 - 150*	*04/06/22 18:25*	*04/08/22 01:53*	*1*

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255715-5
Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2800	U	2800	2800	ug/Kg	☼	04/06/22 17:29	04/07/22 13:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*116*		*67 - 150*	*04/06/22 17:29*	*04/07/22 13:16*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.59	U	9.4	0.59	mg/Kg	☼	04/06/22 18:25	04/08/22 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*10 - 150*	*04/06/22 18:25*	*04/08/22 02:15*	*1*

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255715-6
Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2900	U	2900	2900	ug/Kg	☼	04/06/22 17:30	04/07/22 13:45	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*67 - 150*	*04/06/22 17:30*	*04/07/22 13:45*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.58	U	9.2	0.58	mg/Kg	☼	04/06/22 18:25	04/08/22 02:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*10 - 150*	*04/06/22 18:25*	*04/08/22 02:36*	*1*

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255715-7

Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 85.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2700	U	2700	2700	ug/Kg	☼	04/06/22 17:30	04/07/22 14:14	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*119*		*67 - 150*	*04/06/22 17:30*	*04/07/22 14:14*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.64	U	10	0.64	mg/Kg	☼	04/06/22 18:25	04/08/22 02:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*10 - 150*	*04/06/22 18:25*	*04/08/22 02:57*	*1*

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255715-8

Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3600	U	3600	3600	ug/Kg	☼	04/06/22 17:30	04/07/22 14:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*116*		*67 - 150*	*04/06/22 17:30*	*04/07/22 14:43*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.63	U	10	0.63	mg/Kg	☼	04/06/22 18:25	04/08/22 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*10 - 150*	*04/06/22 18:25*	*04/08/22 03:18*	*1*

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255715-9

Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 99.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3000	U	3000	3000	ug/Kg	☼	04/06/22 17:30	04/07/22 15:12	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*112*		*67 - 150*	*04/06/22 17:30*	*04/07/22 15:12*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.55	U	8.7	0.55	mg/Kg	☼	04/06/22 18:25	04/08/22 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*10 - 150*	*04/06/22 18:25*	*04/08/22 03:39*	*1*

Client Sample ID: SB-12 (0-5)
Lab Sample ID: 460-255715-10
Date Collected: 04/05/22 12:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 88.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3300	U	3300	3300	ug/Kg	☼	04/06/22 17:30	04/07/22 15:42	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*120*		*67 - 150*	*04/06/22 17:30*	*04/07/22 15:42*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	**25**		9.8	0.62	mg/Kg	☼	04/06/22 18:25	04/08/22 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*10 - 150*	*04/06/22 18:25*	*04/08/22 04:01*	*1*

Client Sample ID: SB-12 (7-8)
Lab Sample ID: 460-255715-11
Date Collected: 04/05/22 11:50
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2900	U	2900	2900	ug/Kg	☼	04/06/22 17:31	04/07/22 17:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*67 - 150*	*04/06/22 17:31*	*04/07/22 17:11*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.64	U	10	0.64	mg/Kg	☼	04/06/22 18:25	04/08/22 04:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*10 - 150*	*04/06/22 18:25*	*04/08/22 04:22*	*1*

Client Sample ID: SB-10(2.5-5)
Lab Sample ID: 460-255715-12
Date Collected: 04/05/22 12:30
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3500	U	3500	3500	ug/Kg	☼	04/06/22 17:31	04/07/22 17:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*67 - 150*	*04/06/22 17:31*	*04/07/22 17:41*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.58	U	9.1	0.58	mg/Kg	☼	04/06/22 18:25	04/08/22 04:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*10 - 150*	*04/06/22 18:25*	*04/08/22 04:43*	*1*

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255715-13
Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3000	U	3000	3000	ug/Kg	☼	04/06/22 17:31	04/07/22 18:11	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*67 - 150*	*04/06/22 17:31*	*04/07/22 18:11*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	**84**		9.1	0.58	mg/Kg	☼	04/18/22 22:17	04/19/22 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*10 - 150*	*04/18/22 22:17*	*04/19/22 08:52*	*1*

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255715-14
Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2800	U	2800	2800	ug/Kg	☼	04/06/22 17:31	04/07/22 18:41	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*114*		*67 - 150*	*04/06/22 17:31*	*04/07/22 18:41*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.65	U	10	0.65	mg/Kg	☼	04/18/22 22:17	04/19/22 09:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*10 - 150*	*04/18/22 22:17*	*04/19/22 09:05*	*1*

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255715-15
Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 91.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	3100	U	3100	3100	ug/Kg	☼	04/06/22 17:31	04/07/22 19:10	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*67 - 150*	*04/06/22 17:31*	*04/07/22 19:10*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.60	U	9.5	0.60	mg/Kg	☼	04/18/22 22:17	04/19/22 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*10 - 150*	*04/18/22 22:17*	*04/19/22 09:17*	*1*

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16

Date Collected: 04/05/22 10:25
Matrix: Solid
Date Received: 04/05/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20.0	2.9	ug/L		04/09/22 17:55	04/10/22 17:09	10
Arsenic	8.9	U	20.0	8.9	ug/L		04/09/22 17:55	04/10/22 17:09	10
Barium	**438**		40.0	9.1	ug/L		04/09/22 17:55	04/10/22 17:09	10
Cadmium	3.9	U	20.0	3.9	ug/L		04/09/22 17:55	04/10/22 17:09	10
Chromium	25.0	U	40.0	25.0	ug/L		04/09/22 17:55	04/10/22 17:09	10
Lead	**27.2**		12.0	8.4	ug/L		04/09/22 17:55	04/10/22 17:09	10
Selenium	5.9	U	25.0	5.9	ug/L		04/09/22 17:55	04/10/22 17:09	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00020**		0.00020	0.000091	mg/L		04/11/22 13:32	04/11/22 14:45	1

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16

Date Collected: 04/05/22 10:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.7	U	350	4.7	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
1,2,4,5-Tetrachlorobenzene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,2'-oxybis[1-chloropropane]	6.4	U	350	6.4	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,3,4,6-Tetrachlorophenol	24	U	350	24	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4,5-Trichlorophenol	36	U	350	36	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4,6-Trichlorophenol	45	U	140	45	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4-Dichlorophenol	23	U	140	23	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4-Dimethylphenol	15	U	350	15	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4-Dinitrophenol	170	U	280	170	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,4-Dinitrotoluene	38	U	71	38	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2,6-Dinitrotoluene	25	U	71	25	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Chloronaphthalene	16	U	350	16	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Chlorophenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Methylnaphthalene	9.8	U	350	9.8	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Methylphenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Nitroaniline	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
2-Nitrophenol	35	U	350	35	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
3,3'-Dichlorobenzidine	53	U	140	53	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
3-Nitroaniline	40	U	350	40	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4,6-Dinitro-2-methylphenol	140	U	280	140	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Bromophenyl phenyl ether	14	U	350	14	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Chloro-3-methylphenol	20	U	350	20	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Chloroaniline	62	U	350	62	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Chlorophenyl phenyl ether	12	U	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Methylphenol	22	U	350	22	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Nitroaniline	40	U	350	40	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
4-Nitrophenol	57	U	710	57	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Acenaphthene	10	U	350	10	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Acenaphthylene	3.5	U	350	3.5	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Acetophenone	17	U	350	17	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Anthracene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Atrazine	21	U	140	21	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1

Client Sample ID: COMP-1
Date Collected: 04/05/22 10:25
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-16
Matrix: Solid
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	58	U	350	58	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Benzo[a]anthracene	**17**	**J**	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Benzo[a]pyrene	9.4	U	35	9.4	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Benzo[b]fluoranthene	9.1	U	35	9.1	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Benzo[g,h,i]perylene	10	U	350	10	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Benzo[k]fluoranthene	6.9	U	35	6.9	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Bis(2-chloroethoxy)methane	27	U	350	27	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Bis(2-chloroethyl)ether	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Bis(2-ethylhexyl) phthalate	19	U	350	19	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Butyl benzyl phthalate	17	U	350	17	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Caprolactam	55	U	350	55	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Carbazole	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Chrysene	**10**	**J**	350	6.0	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Dibenz(a,h)anthracene	15	U	35	15	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Dibenzofuran	4.9	U	350	4.9	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Diethyl phthalate	5.1	U	350	5.1	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Dimethyl phthalate	80	U	350	80	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Di-n-butyl phthalate	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Di-n-octyl phthalate	19	U	350	19	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Fluoranthene	**17**	**J**	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Fluorene	4.8	U	350	4.8	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Hexachlorobenzene	17	U	35	17	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Hexachlorobutadiene	7.5	U	71	7.5	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Hexachlorocyclopentadiene	31	U	350	31	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Hexachloroethane	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Indeno[1,2,3-cd]pyrene	14	U	35	14	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Isophorone	100	U	140	100	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Naphthalene	6.1	U	350	6.1	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Nitrobenzene	8.5	U	35	8.5	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
N-Nitrosodi-n-propylamine	26	U	35	26	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
N-Nitrosodiphenylamine	29	U	350	29	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Pentachlorophenol	72	U	280	72	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Phenanthrene	**13**	**J**	350	6.2	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Phenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1
Pyrene	**16**	**J**	350	8.8	ug/Kg	☼	04/06/22 19:30	04/07/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 123*	*04/06/22 19:30*	*04/07/22 18:53*	*1*
2-Fluorobiphenyl	*86*		*14 - 103*	*04/06/22 19:30*	*04/07/22 18:53*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 105*	*04/06/22 19:30*	*04/07/22 18:53*	*1*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*	*04/06/22 19:30*	*04/07/22 18:53*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*04/06/22 19:30*	*04/07/22 18:53*	*1*
Terphenyl-d14 (Surr)	*92*		*12 - 126*	*04/06/22 19:30*	*04/07/22 18:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1221	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1232	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1242	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16

Date Collected: 04/05/22 10:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1248	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1254	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1260	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor-1262	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Aroclor 1268	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1
Polychlorinated biphenyls, Total	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*37 - 150*	*04/06/22 18:19*	*04/07/22 11:43*	*1*
DCB Decachlorobiphenyl	*115*		*37 - 150*	*04/06/22 18:19*	*04/07/22 11:43*	*1*
Tetrachloro-m-xylene	*117*		*54 - 150*	*04/06/22 18:19*	*04/07/22 11:43*	*1*
Tetrachloro-m-xylene	*111*		*54 - 150*	*04/06/22 18:19*	*04/07/22 11:43*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.077	U	0.86	0.077	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Aluminum	**7350**		17.2	4.7	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Arsenic	**1.6**		0.86	0.089	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Barium	**46.4**		1.7	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Beryllium	**0.28**	**J**	0.34	0.049	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Calcium	**5560**		86.0	15.2	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Cadmium	**0.12**	**J**	0.86	0.097	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Cobalt	**5.7**		1.7	0.13	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Chromium	**16.1**		1.7	0.78	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Copper	**19.9**		1.7	0.32	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Iron	**13100**		51.6	17.4	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Potassium	**1140**		86.0	13.9	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Magnesium	**5560**		86.0	8.8	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Manganese	**241**		3.4	0.35	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Sodium	**120**		86.0	39.3	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Nickel	**12.5**		1.7	0.40	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Lead	**99.4**		0.52	0.17	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Antimony	0.13	U	0.86	0.13	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Selenium	0.11	U	1.1	0.11	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Thallium	**0.10**	**J**	0.34	0.035	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Vanadium	**27.2**		1.7	0.18	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1
Zinc	**62.7**		6.9	2.6	mg/Kg	☼	04/08/22 19:50	04/10/22 14:20	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.013**	**J**	0.018	0.0084	mg/Kg	☼	04/07/22 04:03	04/07/22 09:59	1

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17

Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20.0	2.9	ug/L		04/09/22 17:55	04/10/22 17:11	10
Arsenic	8.9	U	20.0	8.9	ug/L		04/09/22 17:55	04/10/22 17:11	10
Barium	**312**		40.0	9.1	ug/L		04/09/22 17:55	04/10/22 17:11	10

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17
Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.9	U	20.0	3.9	ug/L		04/09/22 17:55	04/10/22 17:11	10
Chromium	25.0	U	40.0	25.0	ug/L		04/09/22 17:55	04/10/22 17:11	10
Lead	**102**		12.0	8.4	ug/L		04/09/22 17:55	04/10/22 17:11	10
Selenium	5.9	U	25.0	5.9	ug/L		04/09/22 17:55	04/10/22 17:11	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00012**	**J**	0.00020	0.000091	mg/L		04/11/22 13:32	04/11/22 14:47	1

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17
Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.6	U	350	4.6	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
1,2,4,5-Tetrachlorobenzene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,2'-oxybis[1-chloropropane]	6.3	U	350	6.3	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,3,4,6-Tetrachlorophenol	24	U	350	24	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4,5-Trichlorophenol	35	U	350	35	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4,6-Trichlorophenol	45	U	140	45	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4-Dichlorophenol	22	U	140	22	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4-Dimethylphenol	15	U	350	15	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4-Dinitrophenol	170	U	280	170	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,4-Dinitrotoluene	37	U	70	37	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2,6-Dinitrotoluene	25	U	70	25	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Chloronaphthalene	16	U	350	16	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Chlorophenol	12	U	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Methylnaphthalene	9.7	U	350	9.7	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Methylphenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Nitroaniline	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
2-Nitrophenol	35	U	350	35	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
3,3'-Dichlorobenzidine	53	U	140	53	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
3-Nitroaniline	39	U	350	39	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4,6-Dinitro-2-methylphenol	140	U	280	140	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Bromophenyl phenyl ether	14	U	350	14	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Chloro-3-methylphenol	19	U	350	19	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Chloroaniline	62	U	350	62	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Chlorophenyl phenyl ether	12	U	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Methylphenol	22	U	350	22	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Nitroaniline	40	U	350	40	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
4-Nitrophenol	57	U	700	57	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Acenaphthene	9.9	U	350	9.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Acenaphthylene	**7.9**	**J**	350	3.5	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Acetophenone	17	U	350	17	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Anthracene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Atrazine	20	U	140	20	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Benzaldehyde	57	U	350	57	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Benzo[a]anthracene	**64**		35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Benzo[a]pyrene	**57**		35	9.3	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17

Date Collected: 04/05/22 12:15
Matrix: Solid

Date Received: 04/05/22 18:00
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	**81**		35	9.0	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Benzo[g,h,i]perylene	**45**	**J**	350	10	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Benzo[k]fluoranthene	**33**	**J**	35	6.8	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Bis(2-chloroethoxy)methane	27	U	350	27	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Bis(2-chloroethyl)ether	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Bis(2-ethylhexyl) phthalate	18	U	350	18	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Butyl benzyl phthalate	16	U	350	16	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Caprolactam	54	U	350	54	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Carbazole	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Chrysene	**65**	**J**	350	5.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Dibenz(a,h)anthracene	15	U	35	15	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Dibenzofuran	4.9	U	350	4.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Diethyl phthalate	5.0	U	350	5.0	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Dimethyl phthalate	79	U	350	79	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Di-n-butyl phthalate	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Di-n-octyl phthalate	18	U	350	18	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Fluoranthene	**110**	**J**	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Fluorene	4.7	U	350	4.7	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Hexachlorobenzene	17	U	35	17	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Hexachlorobutadiene	7.4	U	70	7.4	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Hexachlorocyclopentadiene	30	U	350	30	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Hexachloroethane	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Indeno[1,2,3-cd]pyrene	**76**		35	14	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Isophorone	100	U	140	100	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Naphthalene	6.0	U	350	6.0	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Nitrobenzene	8.3	U	35	8.3	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
N-Nitrosodi-n-propylamine	25	U	35	25	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
N-Nitrosodiphenylamine	29	U	350	29	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Pentachlorophenol	71	U	280	71	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Phenanthrene	**41**	**J**	350	6.1	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Phenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1
Pyrene	**110**	**J**	350	8.6	ug/Kg	☼	04/06/22 19:30	04/07/22 19:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*86*		*10 - 123*	*04/06/22 19:30*	*04/07/22 19:10*	*1*
2-Fluorobiphenyl	*76*		*14 - 103*	*04/06/22 19:30*	*04/07/22 19:10*	*1*
2-Fluorophenol (Surr)	*72*		*10 - 105*	*04/06/22 19:30*	*04/07/22 19:10*	*1*
Nitrobenzene-d5 (Surr)	*74*		*11 - 104*	*04/06/22 19:30*	*04/07/22 19:10*	*1*
Phenol-d5 (Surr)	*74*		*15 - 100*	*04/06/22 19:30*	*04/07/22 19:10*	*1*
Terphenyl-d14 (Surr)	*91*		*12 - 126*	*04/06/22 19:30*	*04/07/22 19:10*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1221	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1232	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1242	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1248	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1254	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1260	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17

Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Aroclor 1268	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1
Polychlorinated biphenyls, Total	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*116*		*37 - 150*	*04/06/22 18:19*	*04/07/22 12:33*	*1*
DCB Decachlorobiphenyl	*108*		*37 - 150*	*04/06/22 18:19*	*04/07/22 12:33*	*1*
Tetrachloro-m-xylene	*110*		*54 - 150*	*04/06/22 18:19*	*04/07/22 12:33*	*1*
Tetrachloro-m-xylene	*105*		*54 - 150*	*04/06/22 18:19*	*04/07/22 12:33*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.075	U	0.84	0.075	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Aluminum	**6210**		16.8	4.6	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Arsenic	**1.9**		0.84	0.086	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Barium	**41.2**		1.7	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Beryllium	**0.27**	**J**	0.34	0.048	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Calcium	**3440**		83.8	14.8	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Cadmium	**0.11**	**J**	0.84	0.095	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Cobalt	**13.2**		1.7	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Chromium	**13.8**		1.7	0.76	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Copper	**13.6**		1.7	0.31	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Iron	**10800**		50.3	16.9	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Potassium	**688**		83.8	13.6	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Magnesium	**3340**		83.8	8.5	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Manganese	**248**		3.4	0.34	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Sodium	**90.7**		83.8	38.3	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Nickel	**11.2**		1.7	0.39	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Lead	**66.4**		0.50	0.17	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Antimony	0.12	U	0.84	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Selenium	**0.19**	**J**	1.0	0.11	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Thallium	**0.079**	**J**	0.34	0.034	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Vanadium	**16.6**		1.7	0.17	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1
Zinc	**78.1**		6.7	2.6	mg/Kg	☼	04/08/22 19:50	04/10/22 14:22	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.093**		0.017	0.0082	mg/Kg	☼	04/07/22 04:03	04/07/22 10:01	1

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18

Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20.0	2.9	ug/L		04/10/22 17:25	04/11/22 14:34	10
Arsenic	8.9	U	20.0	8.9	ug/L		04/10/22 17:25	04/11/22 14:34	10
Barium	**370**		40.0	9.1	ug/L		04/10/22 17:25	04/11/22 14:34	10
Cadmium	3.9	U	20.0	3.9	ug/L		04/10/22 17:25	04/11/22 14:34	10
Chromium	25.0	U	40.0	25.0	ug/L		04/10/22 17:25	04/11/22 14:34	10
Lead	**61.5**		12.0	8.4	ug/L		04/10/22 17:25	04/11/22 14:34	10

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18
Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00

Method: 6020B - Metals (ICP/MS) - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.9	U	25.0	5.9	ug/L		04/10/22 17:25	04/11/22 14:34	10

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		04/11/22 13:32	04/11/22 14:49	1

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18
Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.7	U	350	4.7	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
1,2,4,5-Tetrachlorobenzene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,2'-oxybis[1-chloropropane]	6.4	U	350	6.4	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,3,4,6-Tetrachlorophenol	24	U	350	24	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4,5-Trichlorophenol	36	U	350	36	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4,6-Trichlorophenol	45	U	140	45	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4-Dichlorophenol	23	U	140	23	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4-Dimethylphenol	15	U	350	15	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4-Dinitrophenol	170	U	280	170	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,4-Dinitrotoluene	38	U	71	38	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2,6-Dinitrotoluene	25	U	71	25	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Chloronaphthalene	16	U	350	16	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Chlorophenol	12	U	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Methylnaphthalene	9.8	U	350	9.8	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Methylphenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Nitroaniline	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
2-Nitrophenol	35	U	350	35	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
3,3'-Dichlorobenzidine	53	U	140	53	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
3-Nitroaniline	40	U	350	40	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4,6-Dinitro-2-methylphenol	140	U	280	140	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Bromophenyl phenyl ether	14	U	350	14	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Chloro-3-methylphenol	20	U	350	20	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Chloroaniline	62	U	350	62	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Chlorophenyl phenyl ether	12	U	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Methylphenol	22	U	350	22	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Nitroaniline	40	U	350	40	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
4-Nitrophenol	57	U	710	57	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Acenaphthene	10	U	350	10	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Acenaphthylene	3.5	U	350	3.5	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Acetophenone	17	U	350	17	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Anthracene	11	U	350	11	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Atrazine	21	U	140	21	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzaldehyde	58	U	350	58	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzo[a]anthracene	**17**	**J**	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzo[a]pyrene	9.4	U	35	9.4	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzo[b]fluoranthene	**11**	**J**	35	9.1	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzo[g,h,i]perylene	10	U	350	10	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Benzo[k]fluoranthene	6.9	U	35	6.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1

Client Sample ID: COMP-3
Date Collected: 04/05/22 13:35
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-18
Matrix: Solid
Percent Solids: 93.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	27	U	350	27	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Bis(2-chloroethyl)ether	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Bis(2-ethylhexyl) phthalate	19	U	350	19	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Butyl benzyl phthalate	16	U	350	16	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Caprolactam	55	U	350	55	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Carbazole	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Chrysene	**10**	**J**	350	5.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Dibenz(a,h)anthracene	15	U	35	15	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Dibenzofuran	4.9	U	350	4.9	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Diethyl phthalate	5.1	U	350	5.1	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Dimethyl phthalate	80	U	350	80	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Di-n-butyl phthalate	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Di-n-octyl phthalate	19	U	350	19	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Fluoranthene	**16**	**J**	350	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Fluorene	4.8	U	350	4.8	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Hexachlorobenzene	17	U	35	17	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Hexachlorobutadiene	7.5	U	71	7.5	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Hexachlorocyclopentadiene	31	U	350	31	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Hexachloroethane	12	U	35	12	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Indeno[1,2,3-cd]pyrene	14	U	35	14	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Isophorone	100	U	140	100	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Naphthalene	6.1	U	350	6.1	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Nitrobenzene	8.4	U	35	8.4	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
N-Nitrosodi-n-propylamine	26	U	35	26	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
N-Nitrosodiphenylamine	29	U	350	29	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Pentachlorophenol	72	U	280	72	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Phenanthrene	**11**	**J**	350	6.2	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Phenol	13	U	350	13	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1
Pyrene	**17**	**J**	350	8.7	ug/Kg	☼	04/06/22 19:30	04/07/22 19:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*89*		*10 - 123*	*04/06/22 19:30*	*04/07/22 19:28*	*1*
2-Fluorobiphenyl	*84*		*14 - 103*	*04/06/22 19:30*	*04/07/22 19:28*	*1*
2-Fluorophenol (Surr)	*81*		*10 - 105*	*04/06/22 19:30*	*04/07/22 19:28*	*1*
Nitrobenzene-d5 (Surr)	*82*		*11 - 104*	*04/06/22 19:30*	*04/07/22 19:28*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*04/06/22 19:30*	*04/07/22 19:28*	*1*
Terphenyl-d14 (Surr)	*91*		*12 - 126*	*04/06/22 19:30*	*04/07/22 19:28*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1221	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1232	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1242	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1248	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1254	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1260	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor-1262	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Aroclor 1268	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1
Polychlorinated biphenyls, Total	19	U	71	19	ug/Kg	☼	04/06/22 18:19	04/07/22 12:49	1

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18

Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*123*		*37 - 150*	*04/06/22 18:19*	*04/07/22 12:49*	*1*
DCB Decachlorobiphenyl	*117*		*37 - 150*	*04/06/22 18:19*	*04/07/22 12:49*	*1*
Tetrachloro-m-xylene	*118*		*54 - 150*	*04/06/22 18:19*	*04/07/22 12:49*	*1*
Tetrachloro-m-xylene	*112*		*54 - 150*	*04/06/22 18:19*	*04/07/22 12:49*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.071	U	0.80	0.071	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Aluminum	**5540**		16.0	4.4	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Arsenic	**1.5**		0.80	0.083	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Barium	**39.6**		1.6	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Beryllium	**0.27**	**J**	0.32	0.046	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Calcium	**4050**		80.1	14.2	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Cadmium	**0.13**	**J**	0.80	0.091	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Cobalt	**7.2**		1.6	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Chromium	**10.8**		1.6	0.73	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Copper	**15.1**		1.6	0.29	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Iron	**10200**		48.1	16.2	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Potassium	**692**		80.1	13.0	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Magnesium	**2380**		80.1	8.2	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Manganese	**288**		3.2	0.32	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Sodium	**155**		80.1	36.6	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Nickel	**11.0**		1.6	0.38	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Lead	**48.4**		0.48	0.16	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Antimony	0.12	U	0.80	0.12	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Selenium	**0.20**	**J**	1.0	0.10	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Thallium	**0.073**	**J**	0.32	0.033	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Vanadium	**15.5**		1.6	0.17	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1
Zinc	**42.5**		6.4	2.4	mg/Kg	☼	04/08/22 19:50	04/10/22 14:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.036**		0.018	0.0085	mg/Kg	☼	04/07/22 04:03	04/07/22 10:02	1

Client Sample ID: COMP-4
Lab Sample ID: 460-255715-19

Date Collected: 04/05/22 13:45
Matrix: Solid
Date Received: 04/05/22 18:00

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Burn Rate	2.20	U	2.20	2.20	mm/sec			04/10/22 15:18	1
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		04/12/22 14:22	04/12/22 16:52	1
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		04/12/22 14:16	04/12/22 16:50	1
pH	**7.4**	**HF**			SU			04/09/22 11:08	1
Temperature	**20.9**	**HF**			Degrees C			04/09/22 11:08	1
Corrosivity	**7.4**	**HF**			SU			04/09/22 11:08	1
Free Liquid	0.500	U	0.500	0.500	mL/100g			04/08/22 10:43	1

Surrogate Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

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

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

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-123)	(14-103)	(10-105)	(11-104)	(15-100)	(12-126)
460-255680-E-1-A MS	Matrix Spike	94	84	82	81	83	90
460-255680-E-1-B MSD	Matrix Spike Duplicate	95	82	81	83	83	90
460-255715-16	COMP-1	90	86	82	83	83	92
460-255715-17	COMP-2	86	76	72	74	74	91
460-255715-18	COMP-3	89	84	81	82	83	91
LCS 460-837727/2-A	Lab Control Sample	98	88	83	86	85	93
LCSD 460-837727/3-A	Lab Control Sample Dup	99	86	81	84	84	90
MB 460-837727/1-A	Method Blank	90	84	82	84	83	96

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)
		TFT1
Lab Sample ID	Client Sample ID	(67-150)
460-255715-1	SB-8 (0-5)	114
460-255715-2	SB-8 (8-8.5)	106
460-255715-3	SB-11 (4-4.5)	114
460-255715-4	SB-11 (9.5-10)	124
460-255715-5	SB-14 (4-5)	116
460-255715-6	SB-14 (6-10)	104
460-255715-7	SB-15 (3-5)	119
460-255715-8	SB-15 (12-13)	116
460-255715-9	SB-9 (4-5)	112
460-255715-10	SB-12 (0-5)	120
460-255715-11	SB-12 (7-8)	123
460-255715-12	SB-10(2.5-5)	121
460-255715-13	SB-13 (2-2.5)	124
460-255715-14	SB-13 (7-7.5)	114
460-255715-15	SB-16 (3-5)	103
LCS 460-837797/3	Lab Control Sample	95
LCSD 460-837797/4	Lab Control Sample Dup	101
MB 460-837797/6	Method Blank	104

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Surrogate Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	OTPH (10-150)
460-255621-A-1-A MS	Matrix Spike	92
460-255621-A-1-B MSD	Matrix Spike Duplicate	101
460-255715-1	SB-8 (0-5)	106
460-255715-2	SB-8 (8-8.5)	94
460-255715-3	SB-11 (4-4.5)	92
460-255715-4	SB-11 (9.5-10)	100
460-255715-5	SB-14 (4-5)	99
460-255715-6	SB-14 (6-10)	111
460-255715-7	SB-15 (3-5)	98
460-255715-8	SB-15 (12-13)	100
460-255715-9	SB-9 (4-5)	95
460-255715-10	SB-12 (0-5)	108
460-255715-11	SB-12 (7-8)	102
460-255715-12	SB-10(2.5-5)	104
460-255715-13	SB-13 (2-2.5)	104
460-255715-14	SB-13 (7-7.5)	95
460-255715-15	SB-16 (3-5)	102
460-256383-B-1-A MS	Matrix Spike	111
460-256383-B-1-B MSD	Matrix Spike Duplicate	112
LCS 460-837716/2-A	Lab Control Sample	89
LCS 460-839877/2-A	Lab Control Sample	101
LCSD 460-837716/3-A	Lab Control Sample Dup	96
LCSD 460-839877/3-A	Lab Control Sample Dup	111
MB 460-837716/1-A	Method Blank	102
MB 460-839877/1-A	Method Blank	108

Surrogate Legend

OTPH = o-Terphenyl

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

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (37-150)	DCBP2 (37-150)	TCX1 (54-150)	TCX2 (54-150)
460-255715-16	COMP-1	115	121	111	117
460-255715-16 MS	COMP-1	116	119	111	117
460-255715-16 MSD	COMP-1	113	119	110	115
460-255715-17	COMP-2	108	116	105	110
460-255715-18	COMP-3	117	123	112	118
LCS 460-837713/2-A	Lab Control Sample	102	105	98	103
LCSD 460-837713/3-A	Lab Control Sample Dup	96	100	92	97
MB 460-837713/1-A	Method Blank	103	109	98	104

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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

Lab Sample ID: MB 460-837727/1-A
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	4.4	U	330	4.4	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
1,2,4,5-Tetrachlorobenzene	10	U	330	10	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,2'-oxybis[1-chloropropane]	6.0	U	330	6.0	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,3,4,6-Tetrachlorophenol	22	U	330	22	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4,5-Trichlorophenol	34	U	330	34	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4,6-Trichlorophenol	42	U	130	42	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4-Dichlorophenol	21	U	130	21	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4-Dimethylphenol	15	U	330	15	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4-Dinitrophenol	160	U	270	160	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,4-Dinitrotoluene	36	U	67	36	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2,6-Dinitrotoluene	24	U	67	24	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Chloronaphthalene	15	U	330	15	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Chlorophenol	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Methylnaphthalene	9.3	U	330	9.3	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Methylphenol	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Nitroaniline	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
2-Nitrophenol	33	U	330	33	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
3,3'-Dichlorobenzidine	50	U	130	50	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
3-Nitroaniline	37	U	330	37	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4,6-Dinitro-2-methylphenol	140	U	270	140	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Bromophenyl phenyl ether	13	U	330	13	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Chloro-3-methylphenol	19	U	330	19	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Chloroaniline	59	U	330	59	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Chlorophenyl phenyl ether	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Methylphenol	21	U	330	21	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Nitroaniline	38	U	330	38	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
4-Nitrophenol	54	U	670	54	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Acenaphthene	9.4	U	330	9.4	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Acenaphthylene	3.3	U	330	3.3	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Acetophenone	16	U	330	16	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Anthracene	10	U	330	10	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Atrazine	19	U	130	19	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzaldehyde	55	U	330	55	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzo[a]anthracene	12	U	33	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzo[a]pyrene	8.8	U	33	8.8	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzo[b]fluoranthene	8.6	U	33	8.6	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzo[g,h,i]perylene	9.8	U	330	9.8	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Benzo[k]fluoranthene	6.5	U	33	6.5	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Bis(2-chloroethoxy)methane	26	U	330	26	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Bis(2-chloroethyl)ether	12	U	33	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Bis(2-ethylhexyl) phthalate	17	U	330	17	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Butyl benzyl phthalate	16	U	330	16	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Caprolactam	51	U	330	51	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Carbazole	13	U	330	13	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Chrysene	5.6	U	330	5.6	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Dibenz(a,h)anthracene	14	U	33	14	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Dibenzofuran	4.6	U	330	4.6	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Diethyl phthalate	4.8	U	330	4.8	ug/Kg		04/06/22 19:30	04/07/22 09:57	1

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

Lab Sample ID: MB 460-837727/1-A
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837727

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	75	U	330	75	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Di-n-butyl phthalate	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Di-n-octyl phthalate	18	U	330	18	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Fluoranthene	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Fluorene	4.5	U	330	4.5	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Hexachlorobenzene	16	U	33	16	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Hexachlorobutadiene	7.0	U	67	7.0	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Hexachlorocyclopentadiene	29	U	330	29	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Hexachloroethane	11	U	33	11	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Indeno[1,2,3-cd]pyrene	13	U	33	13	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Isophorone	96	U	130	96	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Naphthalene	5.7	U	330	5.7	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Nitrobenzene	7.9	U	33	7.9	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
N-Nitrosodi-n-propylamine	24	U	33	24	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
N-Nitrosodiphenylamine	27	U	330	27	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Pentachlorophenol	68	U	270	68	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Phenanthrene	5.8	U	330	5.8	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Phenol	12	U	330	12	ug/Kg		04/06/22 19:30	04/07/22 09:57	1
Pyrene	8.2	U	330	8.2	ug/Kg		04/06/22 19:30	04/07/22 09:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*90*		*10 - 123*	*04/06/22 19:30*	*04/07/22 09:57*	*1*
2-Fluorobiphenyl	*84*		*14 - 103*	*04/06/22 19:30*	*04/07/22 09:57*	*1*
2-Fluorophenol (Surr)	*82*		*10 - 105*	*04/06/22 19:30*	*04/07/22 09:57*	*1*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*	*04/06/22 19:30*	*04/07/22 09:57*	*1*
Phenol-d5 (Surr)	*83*		*15 - 100*	*04/06/22 19:30*	*04/07/22 09:57*	*1*
Terphenyl-d14 (Surr)	*96*		*12 - 126*	*04/06/22 19:30*	*04/07/22 09:57*	*1*

Lab Sample ID: LCS 460-837727/2-A
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	3330	3140		ug/Kg		94	65 - 110
1,2,4,5-Tetrachlorobenzene	3330	3100		ug/Kg		93	64 - 110
2,2'-oxybis[1-chloropropane]	3330	2720		ug/Kg		82	49 - 109
2,3,4,6-Tetrachlorophenol	3330	3350		ug/Kg		100	58 - 113
2,4,5-Trichlorophenol	3330	3170		ug/Kg		95	64 - 112
2,4,6-Trichlorophenol	3330	3290		ug/Kg		99	63 - 113
2,4-Dichlorophenol	3330	3230		ug/Kg		97	66 - 113
2,4-Dimethylphenol	3330	3100		ug/Kg		93	63 - 107
2,4-Dinitrophenol	6670	6210		ug/Kg		93	25 - 150
2,4-Dinitrotoluene	3330	3590		ug/Kg		108	65 - 124
2,6-Dinitrotoluene	3330	3390		ug/Kg		102	67 - 121
2-Chloronaphthalene	3330	3130		ug/Kg		94	65 - 109
2-Chlorophenol	3330	3070		ug/Kg		92	63 - 106
2-Methylnaphthalene	3330	2990		ug/Kg		90	64 - 108
2-Methylphenol	3330	3130		ug/Kg		94	63 - 108

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

Lab Sample ID: LCS 460-837727/2-A
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837819
Prep Batch: 837727

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	3330	3280		ug/Kg		98	59 - 119
2-Nitrophenol	3330	3170		ug/Kg		95	64 - 112
3,3'-Dichlorobenzidine	3330	3250		ug/Kg		97	17 - 101
3-Nitroaniline	3330	3230		ug/Kg		97	31 - 102
4,6-Dinitro-2-methylphenol	6670	6260		ug/Kg		94	44 - 136
4-Bromophenyl phenyl ether	3330	3130		ug/Kg		94	67 - 113
4-Chloro-3-methylphenol	3330	3220		ug/Kg		97	66 - 114
4-Chloroaniline	3330	3050		ug/Kg		92	20 - 98
4-Chlorophenyl phenyl ether	3330	3200		ug/Kg		96	66 - 110
4-Methylphenol	3330	3150		ug/Kg		95	61 - 108
4-Nitroaniline	3330	3230		ug/Kg		97	50 - 110
4-Nitrophenol	6670	6760		ug/Kg		101	47 - 123
Acenaphthene	3330	3250		ug/Kg		97	53 - 110
Acenaphthylene	3330	3010		ug/Kg		90	64 - 108
Acetophenone	3330	3100		ug/Kg		93	61 - 103
Anthracene	3330	3170		ug/Kg		95	67 - 114
Atrazine	1330	1260		ug/Kg		95	44 - 145
Benzaldehyde	1330	1230		ug/Kg		92	43 - 150
Benzo[a]anthracene	3330	3180		ug/Kg		95	67 - 115
Benzo[a]pyrene	3330	3130		ug/Kg		94	73 - 123
Benzo[b]fluoranthene	3330	3610		ug/Kg		108	70 - 125
Benzo[g,h,i]perylene	3330	3230		ug/Kg		97	61 - 113
Benzo[k]fluoranthene	3330	3230		ug/Kg		97	67 - 115
Bis(2-chloroethoxy)methane	3330	3130		ug/Kg		94	62 - 107
Bis(2-chloroethyl)ether	3330	3000		ug/Kg		90	60 - 107
Bis(2-ethylhexyl) phthalate	3330	3210		ug/Kg		96	59 - 111
Butyl benzyl phthalate	3330	3230		ug/Kg		97	62 - 113
Caprolactam	1330	1150		ug/Kg		86	59 - 140
Carbazole	3330	3190		ug/Kg		96	64 - 113
Chrysene	3330	3110		ug/Kg		93	71 - 122
Dibenz(a,h)anthracene	3330	3340		ug/Kg		100	66 - 119
Dibenzofuran	3330	3200		ug/Kg		96	65 - 108
Diethyl phthalate	3330	3290		ug/Kg		99	63 - 109
Dimethyl phthalate	3330	3240		ug/Kg		97	65 - 109
Di-n-butyl phthalate	3330	3240		ug/Kg		97	66 - 114
Di-n-octyl phthalate	3330	3230		ug/Kg		97	65 - 122
Fluoranthene	3330	3220		ug/Kg		96	61 - 106
Fluorene	3330	3260		ug/Kg		98	65 - 109
Hexachlorobenzene	3330	3220		ug/Kg		97	61 - 113
Hexachlorobutadiene	3330	3080		ug/Kg		93	62 - 109
Hexachlorocyclopentadiene	3330	2830		ug/Kg		85	42 - 118
Hexachloroethane	3330	3100		ug/Kg		93	61 - 102
Indeno[1,2,3-cd]pyrene	3330	3290		ug/Kg		99	62 - 121
Isophorone	3330	3210		ug/Kg		96	63 - 107
Naphthalene	3330	3120		ug/Kg		94	63 - 106
Nitrobenzene	3330	3340		ug/Kg		100	63 - 110
N-Nitrosodi-n-propylamine	3330	3170		ug/Kg		95	61 - 108
N-Nitrosodiphenylamine	3330	3160		ug/Kg		95	67 - 113
Pentachlorophenol	6670	6510		ug/Kg		98	44 - 126

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

Lab Sample ID: LCS 460-837727/2-A
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837727

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			3330	3130		ug/Kg		94	66 - 112		
Phenol			3330	3060		ug/Kg		92	63 - 110		
Pyrene			3330	3150		ug/Kg		95	61 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 123*
2-Fluorobiphenyl	*88*		*14 - 103*
2-Fluorophenol (Surr)	*83*		*10 - 105*
Nitrobenzene-d5 (Surr)	*86*		*11 - 104*
Phenol-d5 (Surr)	*85*		*15 - 100*
Terphenyl-d14 (Surr)	*93*		*12 - 126*

Lab Sample ID: LCSD 460-837727/3-A
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 837727

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			3330	3050		ug/Kg		92	65 - 110	3	30
1,2,4,5-Tetrachlorobenzene			3330	3020		ug/Kg		91	64 - 110	3	30
2,2'-oxybis[1-chloropropane]			3330	2620		ug/Kg		79	49 - 109	4	30
2,3,4,6-Tetrachlorophenol			3330	3300		ug/Kg		99	58 - 113	2	30
2,4,5-Trichlorophenol			3330	3100		ug/Kg		93	64 - 112	2	30
2,4,6-Trichlorophenol			3330	3270		ug/Kg		98	63 - 113	1	30
2,4-Dichlorophenol			3330	3090		ug/Kg		93	66 - 113	4	30
2,4-Dimethylphenol			3330	3040		ug/Kg		91	63 - 107	2	30
2,4-Dinitrophenol			6670	6040		ug/Kg		91	25 - 150	3	30
2,4-Dinitrotoluene			3330	3520		ug/Kg		106	65 - 124	2	30
2,6-Dinitrotoluene			3330	3350		ug/Kg		101	67 - 121	1	30
2-Chloronaphthalene			3330	3090		ug/Kg		93	65 - 109	1	30
2-Chlorophenol			3330	2970		ug/Kg		89	63 - 106	3	30
2-Methylnaphthalene			3330	2880		ug/Kg		86	64 - 108	4	30
2-Methylphenol			3330	3080		ug/Kg		92	63 - 108	1	30
2-Nitroaniline			3330	3240		ug/Kg		97	59 - 119	1	30
2-Nitrophenol			3330	3110		ug/Kg		93	64 - 112	2	30
3,3'-Dichlorobenzidine			3330	3100		ug/Kg		93	17 - 101	5	30
3-Nitroaniline			3330	3220		ug/Kg		96	31 - 102	1	30
4,6-Dinitro-2-methylphenol			6670	6100		ug/Kg		92	44 - 136	3	30
4-Bromophenyl phenyl ether			3330	3070		ug/Kg		92	67 - 113	2	30
4-Chloro-3-methylphenol			3330	3130		ug/Kg		94	66 - 114	3	30
4-Chloroaniline			3330	2940		ug/Kg		88	20 - 98	4	30
4-Chlorophenyl phenyl ether			3330	3150		ug/Kg		95	66 - 110	2	30
4-Methylphenol			3330	3120		ug/Kg		94	61 - 108	1	30
4-Nitroaniline			3330	3300		ug/Kg		99	50 - 110	2	30
4-Nitrophenol			6670	6660		ug/Kg		100	47 - 123	1	30
Acenaphthene			3330	3200		ug/Kg		96	53 - 110	1	30
Acenaphthylene			3330	2930		ug/Kg		88	64 - 108	3	30
Acetophenone			3330	3080		ug/Kg		92	61 - 103	1	30
Anthracene			3330	3080		ug/Kg		92	67 - 114	3	30

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

Lab Sample ID: LCSD 460-837727/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837819
Prep Batch: 837727

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine			1330	1250		ug/Kg		93	44 - 145	2	30
Benzaldehyde			1330	1200		ug/Kg		90	43 - 150	3	30
Benzo[a]anthracene			3330	3100		ug/Kg		93	67 - 115	2	30
Benzo[a]pyrene			3330	3030		ug/Kg		91	73 - 123	3	30
Benzo[b]fluoranthene			3330	3360		ug/Kg		101	70 - 125	7	30
Benzo[g,h,i]perylene			3330	3090		ug/Kg		93	61 - 113	4	30
Benzo[k]fluoranthene			3330	3200		ug/Kg		96	67 - 115	1	30
Bis(2-chloroethoxy)methane			3330	3010		ug/Kg		90	62 - 107	4	30
Bis(2-chloroethyl)ether			3330	2950		ug/Kg		89	60 - 107	2	30
Bis(2-ethylhexyl) phthalate			3330	3110		ug/Kg		93	59 - 111	3	30
Butyl benzyl phthalate			3330	3120		ug/Kg		94	62 - 113	3	30
Caprolactam			1330	1130		ug/Kg		85	59 - 140	2	30
Carbazole			3330	3110		ug/Kg		93	64 - 113	2	30
Chrysene			3330	2970		ug/Kg		89	71 - 122	5	30
Dibenz(a,h)anthracene			3330	3250		ug/Kg		97	66 - 119	3	30
Dibenzofuran			3330	3160		ug/Kg		95	65 - 108	1	30
Diethyl phthalate			3330	3200		ug/Kg		96	63 - 109	3	30
Dimethyl phthalate			3330	3220		ug/Kg		97	65 - 109	1	30
Di-n-butyl phthalate			3330	3170		ug/Kg		95	66 - 114	2	30
Di-n-octyl phthalate			3330	3120		ug/Kg		94	65 - 122	3	30
Fluoranthene			3330	3110		ug/Kg		93	61 - 106	3	30
Fluorene			3330	3200		ug/Kg		96	65 - 109	2	30
Hexachlorobenzene			3330	3140		ug/Kg		94	61 - 113	2	30
Hexachlorobutadiene			3330	2910		ug/Kg		87	62 - 109	6	30
Hexachlorocyclopentadiene			3330	2770		ug/Kg		83	42 - 118	2	30
Hexachloroethane			3330	3010		ug/Kg		90	61 - 102	3	30
Indeno[1,2,3-cd]pyrene			3330	3360		ug/Kg		101	62 - 121	2	30
Isophorone			3330	3050		ug/Kg		91	63 - 107	5	30
Naphthalene			3330	2980		ug/Kg		90	63 - 106	4	30
Nitrobenzene			3330	3250		ug/Kg		97	63 - 110	3	30
N-Nitrosodi-n-propylamine			3330	3100		ug/Kg		93	61 - 108	2	30
N-Nitrosodiphenylamine			3330	3060		ug/Kg		92	67 - 113	3	30
Pentachlorophenol			6670	6370		ug/Kg		95	44 - 126	2	30
Phenanthrene			3330	3020		ug/Kg		90	66 - 112	4	30
Phenol			3330	2970		ug/Kg		89	63 - 110	3	30
Pyrene			3330	3010		ug/Kg		90	61 - 111	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*99*		*10 - 123*
2-Fluorobiphenyl	*86*		*14 - 103*
2-Fluorophenol (Surr)	*81*		*10 - 105*
Nitrobenzene-d5 (Surr)	*84*		*11 - 104*
Phenol-d5 (Surr)	*84*		*15 - 100*
Terphenyl-d14 (Surr)	*90*		*12 - 126*

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

Lab Sample ID: 460-255680-E-1-A MS
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 837727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	5.0	U	3830	3470		ug/Kg	☼	91	65 - 110
1,2,4,5-Tetrachlorobenzene	12	U	3830	3430		ug/Kg	☼	90	64 - 110
2,2'-oxybis[1-chloropropane]	6.9	U	3830	3020		ug/Kg	☼	79	49 - 109
2,3,4,6-Tetrachlorophenol	26	U	3830	3700		ug/Kg	☼	97	58 - 113
2,4,5-Trichlorophenol	39	U	3830	3460		ug/Kg	☼	91	64 - 112
2,4,6-Trichlorophenol	49	U	3830	3610		ug/Kg	☼	94	63 - 113
2,4-Dichlorophenol	24	U	3830	3450		ug/Kg	☼	90	66 - 113
2,4-Dimethylphenol	17	U	3830	3460		ug/Kg	☼	90	63 - 107
2,4-Dinitrophenol	190	U	7650	5770		ug/Kg	☼	75	25 - 150
2,4-Dinitrotoluene	41	U	3830	3960		ug/Kg	☼	103	65 - 124
2,6-Dinitrotoluene	27	U	3830	3770		ug/Kg	☼	99	67 - 121
2-Chloronaphthalene	18	U	3830	3440		ug/Kg	☼	90	65 - 109
2-Chlorophenol	14	U	3830	3380		ug/Kg	☼	88	63 - 106
2-Methylnaphthalene	11	U	3830	3250		ug/Kg	☼	85	64 - 108
2-Methylphenol	14	U	3830	3470		ug/Kg	☼	91	63 - 108
2-Nitroaniline	14	U	3830	3640		ug/Kg	☼	95	59 - 119
2-Nitrophenol	38	U	3830	3400		ug/Kg	☼	89	64 - 112
3,3'-Dichlorobenzidine	57	U	3830	3290		ug/Kg	☼	86	17 - 101
3-Nitroaniline	43	U	3830	3000		ug/Kg	☼	79	31 - 102
4,6-Dinitro-2-methylphenol	160	U	7650	5960		ug/Kg	☼	78	44 - 136
4-Bromophenyl phenyl ether	15	U	3830	3460		ug/Kg	☼	90	67 - 113
4-Chloro-3-methylphenol	21	U	3830	3510		ug/Kg	☼	92	66 - 114
4-Chloroaniline	67	U	3830	2610		ug/Kg	☼	68	20 - 98
4-Chlorophenyl phenyl ether	13	U	3830	3570		ug/Kg	☼	93	66 - 110
4-Methylphenol	24	U	3830	3560		ug/Kg	☼	93	61 - 108
4-Nitroaniline	44	U	3830	3400		ug/Kg	☼	89	50 - 110
4-Nitrophenol	62	U	7650	7760		ug/Kg	☼	101	47 - 123
Acenaphthene	11	U	3830	3610		ug/Kg	☼	94	53 - 110
Acenaphthylene	3.8	U	3830	3310		ug/Kg	☼	87	64 - 108
Acetophenone	19	U	3830	3420		ug/Kg	☼	89	61 - 103
Anthracene	12	U	3830	3480		ug/Kg	☼	91	67 - 114
Atrazine	22	U	1530	1440		ug/Kg	☼	94	44 - 145
Benzaldehyde	63	U	1530	1410	E	ug/Kg	☼	92	43 - 150
Benzo[a]anthracene	13	U	3830	3520		ug/Kg	☼	92	67 - 115
Benzo[a]pyrene	10	U	3830	3420		ug/Kg	☼	89	73 - 123
Benzo[b]fluoranthene	9.8	U	3830	3800		ug/Kg	☼	99	70 - 125
Benzo[g,h,i]perylene	11	U	3830	3580		ug/Kg	☼	93	61 - 113
Benzo[k]fluoranthene	7.5	U	3830	3550		ug/Kg	☼	93	67 - 115
Bis(2-chloroethoxy)methane	30	U	3830	3370		ug/Kg	☼	88	62 - 107
Bis(2-chloroethyl)ether	13	U	3830	3280		ug/Kg	☼	86	60 - 107
Bis(2-ethylhexyl) phthalate	20	U	3830	3590		ug/Kg	☼	94	59 - 111
Butyl benzyl phthalate	18	U	3830	3590		ug/Kg	☼	94	62 - 113
Caprolactam	59	U F1	1530	883	F1	ug/Kg	☼	58	59 - 140
Carbazole	14	U	3830	3490		ug/Kg	☼	91	64 - 113
Chrysene	6.4	U	3830	3300		ug/Kg	☼	86	71 - 122
Dibenz(a,h)anthracene	16	U	3830	3740		ug/Kg	☼	98	66 - 119
Dibenzofuran	5.3	U	3830	3560		ug/Kg	☼	93	65 - 108
Diethyl phthalate	5.5	U	3830	3630		ug/Kg	☼	95	63 - 109

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

Lab Sample ID: 460-255680-E-1-A MS
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 837727

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	86	U	3830	3560		ug/Kg	☼	93	65 - 109
Di-n-butyl phthalate	14	U	3830	3580		ug/Kg	☼	93	66 - 114
Di-n-octyl phthalate	20	U	3830	3500		ug/Kg	☼	92	65 - 122
Fluoranthene	13	U	3830	3490		ug/Kg	☼	91	61 - 106
Fluorene	5.2	U	3830	3630		ug/Kg	☼	95	65 - 109
Hexachlorobenzene	18	U	3830	3530		ug/Kg	☼	92	61 - 113
Hexachlorobutadiene	8.1	U	3830	3290		ug/Kg	☼	86	62 - 109
Hexachlorocyclopentadiene	33	U	3830	2550		ug/Kg	☼	67	42 - 118
Hexachloroethane	13	U	3830	3360		ug/Kg	☼	88	61 - 102
Indeno[1,2,3-cd]pyrene	15	U	3830	3650		ug/Kg	☼	95	62 - 121
Isophorone	110	U	3830	3430		ug/Kg	☼	90	63 - 107
Naphthalene	6.6	U	3830	3340		ug/Kg	☼	87	63 - 106
Nitrobenzene	9.1	U	3830	3650		ug/Kg	☼	95	63 - 110
N-Nitrosodi-n-propylamine	28	U	3830	3520		ug/Kg	☼	92	61 - 108
N-Nitrosodiphenylamine	31	U	3830	3450		ug/Kg	☼	90	67 - 113
Pentachlorophenol	78	U	7650	7250		ug/Kg	☼	95	44 - 126
Phenanthrene	6.7	U	3830	3420		ug/Kg	☼	89	66 - 112
Phenol	14	U	3830	3420		ug/Kg	☼	89	63 - 110
Pyrene	9.5	U	3830	3440		ug/Kg	☼	90	61 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 123*
2-Fluorobiphenyl	*84*		*14 - 103*
2-Fluorophenol (Surr)	*82*		*10 - 105*
Nitrobenzene-d5 (Surr)	*81*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*90*		*12 - 126*

Lab Sample ID: 460-255680-E-1-B MSD
Matrix: Solid
Analysis Batch: 837819

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 837727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	5.0	U	3830	3440		ug/Kg	☼	90	65 - 110	1	30
1,2,4,5-Tetrachlorobenzene	12	U	3830	3410		ug/Kg	☼	89	64 - 110	1	30
2,2'-oxybis[1-chloropropane]	6.9	U	3830	3030		ug/Kg	☼	79	49 - 109	0	30
2,3,4,6-Tetrachlorophenol	26	U	3830	3640		ug/Kg	☼	95	58 - 113	2	30
2,4,5-Trichlorophenol	39	U	3830	3600		ug/Kg	☼	94	64 - 112	4	30
2,4,6-Trichlorophenol	49	U	3830	3620		ug/Kg	☼	94	63 - 113	0	30
2,4-Dichlorophenol	24	U	3830	3610		ug/Kg	☼	94	66 - 113	5	30
2,4-Dimethylphenol	17	U	3830	3450		ug/Kg	☼	90	63 - 107	0	30
2,4-Dinitrophenol	190	U	7670	5930		ug/Kg	☼	77	25 - 150	3	30
2,4-Dinitrotoluene	41	U	3830	3940		ug/Kg	☼	103	65 - 124	0	30
2,6-Dinitrotoluene	27	U	3830	3840		ug/Kg	☼	100	67 - 121	2	30
2-Chloronaphthalene	18	U	3830	3400		ug/Kg	☼	89	65 - 109	1	30
2-Chlorophenol	14	U	3830	3390		ug/Kg	☼	88	63 - 106	0	30
2-Methylnaphthalene	11	U	3830	3290		ug/Kg	☼	86	64 - 108	1	30
2-Methylphenol	14	U	3830	3470		ug/Kg	☼	91	63 - 108	0	30

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

Lab Sample ID: 460-255680-E-1-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837819
Prep Batch: 837727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitroaniline	14	U	3830	3640		ug/Kg	☼	95	59 - 119	0	30
2-Nitrophenol	38	U	3830	3440		ug/Kg	☼	90	64 - 112	1	30
3,3'-Dichlorobenzidine	57	U	3830	3340		ug/Kg	☼	87	17 - 101	1	30
3-Nitroaniline	43	U	3830	3090		ug/Kg	☼	81	31 - 102	3	30
4,6-Dinitro-2-methylphenol	160	U	7670	6270		ug/Kg	☼	82	44 - 136	5	30
4-Bromophenyl phenyl ether	15	U	3830	3490		ug/Kg	☼	91	67 - 113	1	30
4-Chloro-3-methylphenol	21	U	3830	3570		ug/Kg	☼	93	66 - 114	2	30
4-Chloroaniline	67	U	3830	2790		ug/Kg	☼	73	20 - 98	7	30
4-Chlorophenyl phenyl ether	13	U	3830	3600		ug/Kg	☼	94	66 - 110	1	30
4-Methylphenol	24	U	3830	3570		ug/Kg	☼	93	61 - 108	0	30
4-Nitroaniline	44	U	3830	3370		ug/Kg	☼	88	50 - 110	1	30
4-Nitrophenol	62	U	7670	7710		ug/Kg	☼	100	47 - 123	1	30
Acenaphthene	11	U	3830	3600		ug/Kg	☼	94	53 - 110	0	30
Acenaphthylene	3.8	U	3830	3310		ug/Kg	☼	86	64 - 108	0	30
Acetophenone	19	U	3830	3420		ug/Kg	☼	89	61 - 103	0	30
Anthracene	12	U	3830	3510		ug/Kg	☼	91	67 - 114	1	30
Atrazine	22	U	1530	1460		ug/Kg	☼	95	44 - 145	1	30
Benzaldehyde	63	U	1530	1350	E	ug/Kg	☼	88	43 - 150	4	30
Benzo[a]anthracene	13	U	3830	3490		ug/Kg	☼	91	67 - 115	1	30
Benzo[a]pyrene	10	U	3830	3470		ug/Kg	☼	90	73 - 123	1	30
Benzo[b]fluoranthene	9.8	U	3830	3930		ug/Kg	☼	102	70 - 125	3	30
Benzo[g,h,i]perylene	11	U	3830	3600		ug/Kg	☼	94	61 - 113	1	30
Benzo[k]fluoranthene	7.5	U	3830	3460		ug/Kg	☼	90	67 - 115	3	30
Bis(2-chloroethoxy)methane	30	U	3830	3390		ug/Kg	☼	89	62 - 107	1	30
Bis(2-chloroethyl)ether	13	U	3830	3340		ug/Kg	☼	87	60 - 107	2	30
Bis(2-ethylhexyl) phthalate	20	U	3830	3540		ug/Kg	☼	92	59 - 111	1	30
Butyl benzyl phthalate	18	U	3830	3630		ug/Kg	☼	95	62 - 113	1	30
Caprolactam	59	U F1	1530	905		ug/Kg	☼	59	59 - 140	3	30
Carbazole	14	U	3830	3520		ug/Kg	☼	92	64 - 113	1	30
Chrysene	6.4	U	3830	3290		ug/Kg	☼	86	71 - 122	0	30
Dibenz(a,h)anthracene	16	U	3830	3760		ug/Kg	☼	98	66 - 119	1	30
Dibenzofuran	5.3	U	3830	3540		ug/Kg	☼	92	65 - 108	0	30
Diethyl phthalate	5.5	U	3830	3640		ug/Kg	☼	95	63 - 109	0	30
Dimethyl phthalate	86	U	3830	3630		ug/Kg	☼	95	65 - 109	2	30
Di-n-butyl phthalate	14	U	3830	3620		ug/Kg	☼	94	66 - 114	1	30
Di-n-octyl phthalate	20	U	3830	3530		ug/Kg	☼	92	65 - 122	1	30
Fluoranthene	13	U	3830	3540		ug/Kg	☼	92	61 - 106	1	30
Fluorene	5.2	U	3830	3600		ug/Kg	☼	94	65 - 109	1	30
Hexachlorobenzene	18	U	3830	3530		ug/Kg	☼	92	61 - 113	0	30
Hexachlorobutadiene	8.1	U	3830	3350		ug/Kg	☼	87	62 - 109	2	30
Hexachlorocyclopentadiene	33	U	3830	2590		ug/Kg	☼	68	42 - 118	2	30
Hexachloroethane	13	U	3830	3320		ug/Kg	☼	87	61 - 102	1	30
Indeno[1,2,3-cd]pyrene	15	U	3830	3690		ug/Kg	☼	96	62 - 121	1	30
Isophorone	110	U	3830	3490		ug/Kg	☼	91	63 - 107	2	30
Naphthalene	6.6	U	3830	3400		ug/Kg	☼	89	63 - 106	2	30
Nitrobenzene	9.1	U	3830	3580		ug/Kg	☼	93	63 - 110	2	30
N-Nitrosodi-n-propylamine	28	U	3830	3530		ug/Kg	☼	92	61 - 108	0	30
N-Nitrosodiphenylamine	31	U	3830	3480		ug/Kg	☼	91	67 - 113	1	30
Pentachlorophenol	78	U	7670	7290		ug/Kg	☼	95	44 - 126	1	30

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

Lab Sample ID: 460-255680-E-1-B MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837819
Prep Batch: 837727

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	6.7	U	3830	3500		ug/Kg	☼	91	66 - 112	2	30
Phenol	14	U	3830	3430		ug/Kg	☼	90	63 - 110	0	30
Pyrene	9.5	U	3830	3440		ug/Kg	☼	90	61 - 111	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*95*		*10 - 123*
2-Fluorobiphenyl	*82*		*14 - 103*
2-Fluorophenol (Surr)	*81*		*10 - 105*
Nitrobenzene-d5 (Surr)	*83*		*11 - 104*
Phenol-d5 (Surr)	*83*		*15 - 100*
Terphenyl-d14 (Surr)	*90*		*12 - 126*

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

Lab Sample ID: MB 460-837797/6
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO	2500	U	2500	2500	ug/Kg			04/07/22 10:52	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*104*		*67 - 150*		*04/07/22 10:52*	*50*

Lab Sample ID: LCS 460-837797/3
Client Sample ID: Lab Control Sample
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837797

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
GRO			20000	19300		ug/Kg		96	77 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*95*		*67 - 150*

Lab Sample ID: LCSD 460-837797/4
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837797

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
GRO			20000	19500		ug/Kg		97	77 - 120	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*101*		*67 - 150*

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

Lab Sample ID: MB 460-837716/1-A
Matrix: Solid
Analysis Batch: 837799

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837716

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.55	U	8.7	0.55	mg/Kg		04/06/22 18:25	04/07/22 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*10 - 150*	*04/06/22 18:25*	*04/07/22 19:50*	*1*

Lab Sample ID: LCS 460-837716/2-A
Matrix: Solid
Analysis Batch: 837799

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837716

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C44			86.7	59.2		mg/Kg		68	43 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*89*		*10 - 150*

Lab Sample ID: LCSD 460-837716/3-A
Matrix: Solid
Analysis Batch: 837799

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 837716

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C44			86.7	62.0		mg/Kg		72	43 - 100	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*96*		*10 - 150*

Lab Sample ID: 460-255621-A-1-A MS
Matrix: Solid
Analysis Batch: 837799

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 837716

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C44	23		104	94.3		mg/Kg	☼	69	43 - 100		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*92*		*10 - 150*

Lab Sample ID: 460-255621-A-1-B MSD
Matrix: Solid
Analysis Batch: 837799

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 837716

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C44	23		104	98.0		mg/Kg	☼	72	43 - 100	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*101*		*10 - 150*

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

Lab Sample ID: MB 460-839877/1-A
Matrix: Solid
Analysis Batch: 839919

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 839877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C10-C44	0.55	U	8.7	0.55	mg/Kg		04/18/22 22:17	04/19/22 07:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*10 - 150*	*04/18/22 22:17*	*04/19/22 07:36*	*1*

Lab Sample ID: LCS 460-839877/2-A
Matrix: Solid
Analysis Batch: 839919

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 839877

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C44			86.7	63.5		mg/Kg		73	43 - 100		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*101*		*10 - 150*

Lab Sample ID: LCSD 460-839877/3-A
Matrix: Solid
Analysis Batch: 839919

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 839877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C44			86.7	69.1		mg/Kg		80	43 - 100	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*111*		*10 - 150*

Lab Sample ID: 460-256383-B-1-A MS
Matrix: Solid
Analysis Batch: 839919

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 839877

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
C10-C44	220		89.2	289		mg/Kg	☼	72	43 - 100		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*111*		*10 - 150*

Lab Sample ID: 460-256383-B-1-B MSD
Matrix: Solid
Analysis Batch: 839919

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 839877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C10-C44	220		89.3	266		mg/Kg	☼	46	43 - 100	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*112*		*10 - 150*

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

Lab Sample ID: MB 460-837713/1-A
Matrix: Solid
Analysis Batch: 837782

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837713

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1016	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1221	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1221	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1232	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1232	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1242	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1242	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1248	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1248	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1254	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1254	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1260	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1260	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor-1262	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor-1262	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1268	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Aroclor 1268	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Polychlorinated biphenyls, Total	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1
Polychlorinated biphenyls, Total	18	U	67	18	ug/Kg		04/06/22 18:19	04/07/22 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*109*		*37 - 150*	*04/06/22 18:19*	*04/07/22 10:53*	*1*
DCB Decachlorobiphenyl	*103*		*37 - 150*	*04/06/22 18:19*	*04/07/22 10:53*	*1*
Tetrachloro-m-xylene	*104*		*54 - 150*	*04/06/22 18:19*	*04/07/22 10:53*	*1*
Tetrachloro-m-xylene	*98*		*54 - 150*	*04/06/22 18:19*	*04/07/22 10:53*	*1*

Lab Sample ID: LCS 460-837713/2-A
Matrix: Solid
Analysis Batch: 837782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837713

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			333	395		ug/Kg		119	65 - 133		
Aroclor 1016			333	368		ug/Kg		110	65 - 133		
Aroclor 1260			333	421		ug/Kg		126	71 - 150		
Aroclor 1260			333	382		ug/Kg		115	71 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*105*		*37 - 150*
DCB Decachlorobiphenyl	*102*		*37 - 150*
Tetrachloro-m-xylene	*103*		*54 - 150*
Tetrachloro-m-xylene	*98*		*54 - 150*

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

Lab Sample ID: LCSD 460-837713/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837782
Prep Batch: 837713

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			333	380		ug/Kg		114	65 - 133	4	30
Aroclor 1016			333	357		ug/Kg		107	65 - 133	3	30
Aroclor 1260			333	413		ug/Kg		124	71 - 150	2	30
Aroclor 1260			333	374		ug/Kg		112	71 - 150	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*100*		*37 - 150*
DCB Decachlorobiphenyl	*96*		*37 - 150*
Tetrachloro-m-xylene	*97*		*54 - 150*
Tetrachloro-m-xylene	*92*		*54 - 150*

Lab Sample ID: 460-255715-16 MS
Client Sample ID: COMP-1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837782
Prep Batch: 837713

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Aroclor 1016	19	U	354	443		ug/Kg	☼	125	65 - 133
Aroclor 1016	19	U	354	418		ug/Kg	☼	118	65 - 133
Aroclor 1260	19	U	354	481		ug/Kg	☼	136	71 - 150
Aroclor 1260	19	U	354	438		ug/Kg	☼	124	71 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*119*		*37 - 150*
DCB Decachlorobiphenyl	*116*		*37 - 150*
Tetrachloro-m-xylene	*117*		*54 - 150*
Tetrachloro-m-xylene	*111*		*54 - 150*

Lab Sample ID: 460-255715-16 MSD
Client Sample ID: COMP-1
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 837782
Prep Batch: 837713

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	19	U	354	429		ug/Kg	☼	121	65 - 133	3	30
Aroclor 1016	19	U	354	403		ug/Kg	☼	114	65 - 133	4	30
Aroclor 1260	19	U	354	455		ug/Kg	☼	129	71 - 150	6	30
Aroclor 1260	19	U	354	415		ug/Kg	☼	117	71 - 150	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*119*		*37 - 150*
DCB Decachlorobiphenyl	*113*		*37 - 150*
Tetrachloro-m-xylene	*115*		*54 - 150*
Tetrachloro-m-xylene	*110*		*54 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-838203/1-A
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 838203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.089	U	1.0	0.089	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Aluminum	5.5	U	20.0	5.5	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Arsenic	0.10	U	1.0	0.10	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Barium	0.15	U	2.0	0.15	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Beryllium	0.057	U	0.40	0.057	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Calcium	17.7	U	100	17.7	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Cadmium	0.11	U	1.0	0.11	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Cobalt	0.15	U	2.0	0.15	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Chromium	0.91	U	2.0	0.91	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Copper	0.37	U	2.0	0.37	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Iron	20.2	U	60.0	20.2	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Potassium	16.2	U	100	16.2	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Magnesium	10.2	U	100	10.2	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Manganese	0.40	U	4.0	0.40	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Sodium	45.7	U	100	45.7	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Nickel	0.47	U	2.0	0.47	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Lead	0.20	U	0.60	0.20	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Antimony	0.15	U	1.0	0.15	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Selenium	0.13	U	1.3	0.13	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Thallium	0.041	U	0.40	0.041	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Vanadium	0.21	U	2.0	0.21	mg/Kg		04/08/22 19:50	04/10/22 10:12	1
Zinc	3.1	U	8.0	3.1	mg/Kg		04/08/22 19:50	04/10/22 10:12	1

Lab Sample ID: LCSSRM 460-838203/2-A ^5
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838203

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Silver	44.1	43.06		mg/Kg		97.6	80.5 - 119.7
Aluminum	8630	7966		mg/Kg		92.3	51.2 - 148.3
Arsenic	84.5	84.22		mg/Kg		99.7	82.8 - 117.2
Barium	249	237.6		mg/Kg		95.4	82.7 - 117.3
Beryllium	163	166.8		mg/Kg		102.3	82.8 - 117.2
Calcium	4760	4728		mg/Kg		99.3	81.7 - 118.5
Cadmium	99.0	100.7		mg/Kg		101.7	83.0 - 117.2
Cobalt	61.7	62.16		mg/Kg		100.7	84.1 - 116.0
Chromium	122	121.5		mg/Kg		99.6	82.8 - 118.0
Copper	61.5	60.20		mg/Kg		97.9	84.4 - 115.4
Iron	14500	13780		mg/Kg		95.0	61.1 - 138.6
Potassium	2090	1922		mg/Kg		92.0	70.8 - 129.2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-838203/2-A ^5
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838203

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	2360	2321		mg/Kg		98.4	76.7 - 123.7
Manganese	456	468.3		mg/Kg		102.7	82.2 - 118.0
Sodium	136	210	U	mg/Kg		91.9	71.6 - 127.9
Nickel	135	138.1		mg/Kg		102.3	83.0 - 117.0
Lead	123	121.8		mg/Kg		99.0	83.7 - 117.1
Antimony	129	84.56		mg/Kg		65.6	0.6 - 199.2
Selenium	121	123.3		mg/Kg		101.9	80.1 - 120.7
Thallium	144	145.9		mg/Kg		101.3	81.3 - 118.8
Vanadium	186	179.0		mg/Kg		96.3	79.6 - 120.4
Zinc	295	294.0		mg/Kg		99.7	81.4 - 119.0

Lab Sample ID: 460-254625-B-1-C MS
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 838203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	0.077	U	3.97	3.85		mg/Kg	☼	97	75 - 125
Aluminum	2610		397	3346	4	mg/Kg	☼	186	75 - 125
Arsenic	1.1		7.94	8.32		mg/Kg	☼	91	75 - 125
Barium	23.4	F1	7.94	27.06	F1	mg/Kg	☼	46	75 - 125
Beryllium	0.17	J	3.97	3.89		mg/Kg	☼	94	75 - 125
Calcium	643		397	980.6		mg/Kg	☼	85	75 - 125
Cadmium	0.45	J	3.97	4.12		mg/Kg	☼	92	75 - 125
Cobalt	2.0		3.97	6.08		mg/Kg	☼	102	75 - 125
Chromium	8.8		7.94	16.39		mg/Kg	☼	96	75 - 125
Copper	7.8		7.94	14.09		mg/Kg	☼	79	75 - 125
Iron	11200		397	10050	4	mg/Kg	☼	-282	75 - 125
Potassium	316		397	704.8		mg/Kg	☼	98	75 - 125
Magnesium	900		397	1371		mg/Kg	☼	118	75 - 125
Manganese	83.3		39.7	115.2		mg/Kg	☼	80	75 - 125
Sodium	73.7	J	397	488.2		mg/Kg	☼	104	75 - 125
Nickel	5.5		7.94	13.56		mg/Kg	☼	101	75 - 125
Lead	3.1		3.97	6.06		mg/Kg	☼	75	75 - 125
Antimony	0.13	U F1	3.97	2.37	F1	mg/Kg	☼	60	75 - 125
Selenium	0.11	U	7.94	7.71		mg/Kg	☼	97	75 - 125
Thallium	0.035	U	3.18	3.06		mg/Kg	☼	96	75 - 125
Vanadium	12.9		7.94	19.53		mg/Kg	☼	84	75 - 125
Zinc	257		39.7	277.3	4	mg/Kg	☼	52	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-254625-B-1-B DU
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 838203

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Silver	0.077	U		0.072	U	mg/Kg	☼			NC	20
Aluminum	2610			2550		mg/Kg	☼			2	20
Arsenic	1.1			1.07		mg/Kg	☼			1	20
Barium	23.4	F1		21.28		mg/Kg	☼			10	20
Beryllium	0.17	J		0.157	J	mg/Kg	☼			8	20
Calcium	643			557.8		mg/Kg	☼			14	20
Cadmium	0.45	J		0.463	J	mg/Kg	☼			3	20
Cobalt	2.0			2.06		mg/Kg	☼			0.5	20
Chromium	8.8			8.25		mg/Kg	☼			6	20
Copper	7.8			7.36		mg/Kg	☼			6	20
Iron	11200			9987		mg/Kg	☼			11	20
Potassium	316			310.7		mg/Kg	☼			2	20
Magnesium	900			914.9		mg/Kg	☼			2	20
Manganese	83.3			75.93		mg/Kg	☼			9	20
Sodium	73.7	J		71.29	J	mg/Kg	☼			3	20
Nickel	5.5			5.64		mg/Kg	☼			2	20
Lead	3.1			3.05		mg/Kg	☼			1	20
Antimony	0.13	U F1		0.12	U	mg/Kg	☼			NC	20
Selenium	0.11	U		0.10	U	mg/Kg	☼			NC	20
Thallium	0.035	U		0.033	U	mg/Kg	☼			NC	20
Vanadium	12.9			11.58		mg/Kg	☼			11	20
Zinc	257			236.9		mg/Kg	☼			8	20

Lab Sample ID: MB 460-838313/1-A
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 838313

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.29	U	2.0	0.29	ug/L		04/09/22 17:55	04/10/22 17:30	1
Arsenic	0.89	U	2.0	0.89	ug/L		04/09/22 17:55	04/10/22 17:30	1
Barium	0.91	U	4.0	0.91	ug/L		04/09/22 17:55	04/10/22 17:30	1
Cadmium	0.39	U	2.0	0.39	ug/L		04/09/22 17:55	04/10/22 17:30	1
Chromium	2.5	U	4.0	2.5	ug/L		04/09/22 17:55	04/10/22 17:30	1
Lead	0.84	U	1.2	0.84	ug/L		04/09/22 17:55	04/10/22 17:30	1
Selenium	0.59	U	2.5	0.59	ug/L		04/09/22 17:55	04/10/22 17:30	1

Lab Sample ID: LCS 460-838313/2-A ^10
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838313

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver			500	535.3		ug/L		107	80 - 120		
Arsenic			5000	5498		ug/L		110	80 - 120		
Barium			10000	10240		ug/L		102	80 - 120		
Cadmium			1000	1074		ug/L		107	80 - 120		
Chromium			5000	5528		ug/L		111	80 - 120		
Lead			5000	5298		ug/L		106	80 - 120		
Selenium			1000	1068		ug/L		107	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-838423/1-A
Matrix: Solid
Analysis Batch: 838499

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 838423

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.29	U	2.0	0.29	ug/L		04/10/22 17:25	04/11/22 14:12	1
Arsenic	0.89	U	2.0	0.89	ug/L		04/10/22 17:25	04/11/22 14:12	1
Barium	0.91	U	4.0	0.91	ug/L		04/10/22 17:25	04/11/22 14:12	1
Cadmium	0.39	U	2.0	0.39	ug/L		04/10/22 17:25	04/11/22 14:12	1
Chromium	2.5	U	4.0	2.5	ug/L		04/10/22 17:25	04/11/22 14:12	1
Lead	0.84	U	1.2	0.84	ug/L		04/10/22 17:25	04/11/22 14:12	1
Selenium	0.59	U	2.5	0.59	ug/L		04/10/22 17:25	04/11/22 14:12	1

Lab Sample ID: LCS 460-838423/2-A ^10
Matrix: Solid
Analysis Batch: 838499

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	500	541.2		ug/L		108	80 - 120
Arsenic	5000	5433		ug/L		109	80 - 120
Barium	10000	10540		ug/L		105	80 - 120
Cadmium	1000	1135		ug/L		113	80 - 120
Chromium	5000	5418		ug/L		108	80 - 120
Lead	5000	5329		ug/L		107	80 - 120
Selenium	1000	1091		ug/L		109	80 - 120

Lab Sample ID: LB 460-838170/1-B ^10
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 838313

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20.0	2.9	ug/L		04/09/22 17:55	04/10/22 17:32	10
Arsenic	8.9	U	20.0	8.9	ug/L		04/09/22 17:55	04/10/22 17:32	10
Barium	9.1	U	40.0	9.1	ug/L		04/09/22 17:55	04/10/22 17:32	10
Cadmium	3.9	U	20.0	3.9	ug/L		04/09/22 17:55	04/10/22 17:32	10
Chromium	25.0	U	40.0	25.0	ug/L		04/09/22 17:55	04/10/22 17:32	10
Lead	8.4	U	12.0	8.4	ug/L		04/09/22 17:55	04/10/22 17:32	10
Selenium	5.9	U	25.0	5.9	ug/L		04/09/22 17:55	04/10/22 17:32	10

Lab Sample ID: 460-255713-A-7-G MS ^10
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 838313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Silver	2.9	U	500	525.7		ug/L		105	75 - 125
Arsenic	8.9	U	5000	5350		ug/L		107	75 - 125
Barium	721		10000	10790		ug/L		101	75 - 125
Cadmium	3.9	U	1000	1089		ug/L		109	75 - 125
Chromium	25.0	U	5000	5413		ug/L		108	75 - 125
Lead	89.2		5000	5427		ug/L		107	75 - 125
Selenium	5.9	U	1000	1083		ug/L		108	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-255713-A-7-F DU ^10
Matrix: Solid
Analysis Batch: 838367

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 838313

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Silver	2.9	U		2.9	U	ug/L				NC	20
Arsenic	8.9	U		8.9	U	ug/L				NC	20
Barium	721			677.9		ug/L				6	20
Cadmium	3.9	U		3.9	U	ug/L				NC	20
Chromium	25.0	U		25.0	U	ug/L				NC	20
Lead	89.2			85.47		ug/L				4	20
Selenium	5.9	U		5.9	U	ug/L				NC	20

Lab Sample ID: LB 460-838311/1-B ^10
Matrix: Solid
Analysis Batch: 838499

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 838423

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.9	U	20.0	2.9	ug/L		04/10/22 17:25	04/11/22 14:15	10
Arsenic	8.9	U	20.0	8.9	ug/L		04/10/22 17:25	04/11/22 14:15	10
Barium	9.1	U	40.0	9.1	ug/L		04/10/22 17:25	04/11/22 14:15	10
Cadmium	3.9	U	20.0	3.9	ug/L		04/10/22 17:25	04/11/22 14:15	10
Chromium	25.0	U	40.0	25.0	ug/L		04/10/22 17:25	04/11/22 14:15	10
Lead	8.4	U	12.0	8.4	ug/L		04/10/22 17:25	04/11/22 14:15	10
Selenium	5.9	U	25.0	5.9	ug/L		04/10/22 17:25	04/11/22 14:15	10

Lab Sample ID: 460-255749-F-1-H MS ^10
Matrix: Solid
Analysis Batch: 838499

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 838423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Silver	2.9	U	500	548.4		ug/L		110	75 - 125		
Arsenic	8.9	U	5000	5400		ug/L		108	75 - 125		
Barium	561		10000	11530		ug/L		110	75 - 125		
Cadmium	3.9	U	1000	1124		ug/L		112	75 - 125		
Chromium	25.0	U	5000	5458		ug/L		109	75 - 125		
Lead	16.6		5000	5482		ug/L		109	75 - 125		
Selenium	5.9	U	1000	1124		ug/L		112	75 - 125		

Lab Sample ID: 460-255749-F-1-G DU ^10
Matrix: Solid
Analysis Batch: 838499

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 838423

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Silver	2.9	U		2.9	U	ug/L				NC	20
Arsenic	8.9	U		8.9	U	ug/L				NC	20
Barium	561			589.9		ug/L				5	20
Cadmium	3.9	U		3.9	U	ug/L				NC	20
Chromium	25.0	U		25.0	U	ug/L				NC	20
Lead	16.6			17.40		ug/L				5	20
Selenium	5.9	U		5.9	U	ug/L				NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LRC 460-838367/12
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 838367

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	5243		ug/L		105	90 - 110
Barium	20000	19090		ug/L		95	90 - 110
Beryllium	2000	2151		ug/L		108	90 - 110
Cadmium	5000	5231		ug/L		105	90 - 110
Cobalt	2000	2104		ug/L		105	90 - 110
Chromium	20000	20820		ug/L		104	90 - 110
Copper	20000	20610		ug/L		103	90 - 110
Manganese	10000	10830		ug/L		108	90 - 110
Nickel	20000	21120		ug/L		106	90 - 110
Lead	20000	21190		ug/L		106	90 - 110
Selenium	2000	2142		ug/L		107	90 - 110
Thallium	1000	1036		ug/L		104	90 - 110
Vanadium	5000	5201		ug/L		104	90 - 110
Zinc	20000	20840		ug/L		104	90 - 110

Lab Sample ID: LRC 460-838367/13
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 838367

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Aluminum	200000	198400		ug/L		99	90 - 110
Calcium	500000	508000		ug/L		102	90 - 110
Iron	500000	504400		ug/L		101	90 - 110
Potassium	500000	481300		ug/L		96	90 - 110
Magnesium	500000	506300		ug/L		101	90 - 110
Sodium	500000	490900		ug/L		98	90 - 110

Lab Sample ID: LRC 460-838499/12
Client Sample ID: Lab Control Sample
Matrix: Solid
Analysis Batch: 838499

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	5244		ug/L		105	90 - 110
Barium	20000	19100		ug/L		96	90 - 110
Cadmium	5000	5210		ug/L		104	90 - 110
Chromium	20000	20740		ug/L		104	90 - 110
Lead	20000	21190		ug/L		106	90 - 110
Selenium	2000	2105		ug/L		105	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-838522/1-A
Client Sample ID: Method Blank
Matrix: Solid
Prep Type: Total/NA
Analysis Batch: 838554
Prep Batch: 838522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		04/11/22 13:32	04/11/22 14:23	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 460-838522/2-A
Matrix: Solid
Analysis Batch: 838554

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838522

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00500	0.00517		mg/L		103	80 - 120		

Lab Sample ID: LB 460-838311/1-D
Matrix: Solid
Analysis Batch: 838554

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 838522

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.000091	U	0.00020	0.000091	mg/L		04/11/22 13:32	04/11/22 15:07	1

Lab Sample ID: 460-255598-E-1-K MS
Matrix: Solid
Analysis Batch: 838554

Client Sample ID: Matrix Spike
Prep Type: TCLP
Prep Batch: 838522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.000091	U	0.00500	0.00539		mg/L		108	75 - 125		

Lab Sample ID: 460-255598-E-1-J DU
Matrix: Solid
Analysis Batch: 838554

Client Sample ID: Duplicate
Prep Type: TCLP
Prep Batch: 838522

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.000091	U	0.000091	U	mg/L		NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-837778/1-A
Matrix: Solid
Analysis Batch: 837885

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 837778

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0080	U	0.017	0.0080	mg/Kg		04/07/22 04:03	04/07/22 09:36	1

Lab Sample ID: LCSSRM 460-837778/2-A ^40
Matrix: Solid
Analysis Batch: 837885

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 837778

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			18.9	16.36		mg/Kg		86.5	68.8 - 131.2		

Lab Sample ID: 460-255183-B-2-D MS
Matrix: Solid
Analysis Batch: 837885

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 837778

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.018		0.0899	0.110		mg/Kg	☼	102	80 - 120		

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

Lab Sample ID: 460-255183-B-2-C DU
Matrix: Solid
Analysis Batch: 837885

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 837778

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.018		0.0222		mg/Kg	☼	20	20

Method: 1030 - Ignitability, Solids

Lab Sample ID: 460-255598-C-1 DU
Matrix: Solid
Analysis Batch: 838418

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Burn Rate	2.20	U	2.20	U	mm/sec		NC	10

Method: 9014 - Cyanide, Reactive

Lab Sample ID: MB 460-838742/1-A
Matrix: Solid
Analysis Batch: 838755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 838742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	25.0	U	25.0	25.0	mg/Kg		04/12/22 14:22	04/12/22 16:52	1

Lab Sample ID: LCS 460-838742/2-A
Matrix: Solid
Analysis Batch: 838755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cyanide, Reactive	40.0	25.0	U	mg/Kg		12	10 - 100

Lab Sample ID: 460-255873-B-1-I DU
Matrix: Solid
Analysis Batch: 838755

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 838742

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Reactive	25.0	U	25.0	U	mg/Kg		NC	10

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 460-838741/1-A
Matrix: Solid
Analysis Batch: 838754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 838741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	20.0	U	20.0	20.0	mg/Kg		04/12/22 14:16	04/12/22 16:50	1

Lab Sample ID: LCSSRM 460-838741/3-A
Matrix: Solid
Analysis Batch: 838754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 838741

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Sulfide, Reactive	70.9	64.83		mg/Kg		91.4	46.7 - 142.5

Method: 9034 - Sulfide, Reactive (Continued)

Lab Sample ID: 460-255790-K-1-B MS
Matrix: Solid
Analysis Batch: 838754

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 838741

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Sulfide, Reactive	20.0	U	352	322.1		mg/Kg		91	64 - 136		

Lab Sample ID: 460-255790-K-1-C MSD
Matrix: Solid
Analysis Batch: 838754

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 838741

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Sulfide, Reactive	20.0	U	352	322.1		mg/Kg		91	64 - 136	0	10

Method: 9045D - pH

Lab Sample ID: MB 460-838253/2
Matrix: Solid
Analysis Batch: 838253

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.4				SU			04/09/22 11:02	1
Temperature	22.1				Degrees C			04/09/22 11:02	1
Corrosivity	6.4				SU			04/09/22 11:02	1

Lab Sample ID: LCSSRM 460-838253/3
Matrix: Solid
Analysis Batch: 838253

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

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
pH			6.27	6.4		SU		101.3	96.8 - 103.2		
Corrosivity			6.27	6.4		SU		101.3	96.8 - 103.2		

Lab Sample ID: 460-255715-19 DU
Matrix: Solid
Analysis Batch: 838253

Client Sample ID: COMP-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.4	HF		7.4		SU				0	10
Temperature	20.9	HF		20.9		Degrees C				0	10
Corrosivity	7.4	HF		7.4		SU				0	10

Method: 9095B - Paint Filter

Lab Sample ID: 460-255216-K-1 DU
Matrix: Solid
Analysis Batch: 838069

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Free Liquid	0.500	U		0.500	U	mL/100g				NC	10

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
W	PS: Post-digestion spike was outside control limits

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.
U	Indicates the analyte was analyzed for but not detected.

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

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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

GC/MS Semi VOA

Prep Batch: 837727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	3546	
460-255715-17	COMP-2	Total/NA	Solid	3546	
460-255715-18	COMP-3	Total/NA	Solid	3546	
MB 460-837727/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-837727/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-837727/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-255680-E-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-255680-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 837819

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	8270E	837727
460-255715-17	COMP-2	Total/NA	Solid	8270E	837727
460-255715-18	COMP-3	Total/NA	Solid	8270E	837727
MB 460-837727/1-A	Method Blank	Total/NA	Solid	8270E	837727
LCS 460-837727/2-A	Lab Control Sample	Total/NA	Solid	8270E	837727
LCSD 460-837727/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	837727
460-255680-E-1-A MS	Matrix Spike	Total/NA	Solid	8270E	837727
460-255680-E-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	837727

GC VOA

Prep Batch: 837702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-1	SB-8 (0-5)	Total/NA	Solid	5035	
460-255715-2	SB-8 (8-8.5)	Total/NA	Solid	5035	
460-255715-3	SB-11 (4-4.5)	Total/NA	Solid	5035	
460-255715-4	SB-11 (9.5-10)	Total/NA	Solid	5035	
460-255715-5	SB-14 (4-5)	Total/NA	Solid	5035	
460-255715-6	SB-14 (6-10)	Total/NA	Solid	5035	
460-255715-7	SB-15 (3-5)	Total/NA	Solid	5035	
460-255715-8	SB-15 (12-13)	Total/NA	Solid	5035	
460-255715-9	SB-9 (4-5)	Total/NA	Solid	5035	
460-255715-10	SB-12 (0-5)	Total/NA	Solid	5035	
460-255715-11	SB-12 (7-8)	Total/NA	Solid	5035	
460-255715-12	SB-10(2.5-5)	Total/NA	Solid	5035	
460-255715-13	SB-13 (2-2.5)	Total/NA	Solid	5035	
460-255715-14	SB-13 (7-7.5)	Total/NA	Solid	5035	
460-255715-15	SB-16 (3-5)	Total/NA	Solid	5035	

Analysis Batch: 837797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-1	SB-8 (0-5)	Total/NA	Solid	8015D	837702
460-255715-2	SB-8 (8-8.5)	Total/NA	Solid	8015D	837702
460-255715-3	SB-11 (4-4.5)	Total/NA	Solid	8015D	837702
460-255715-4	SB-11 (9.5-10)	Total/NA	Solid	8015D	837702
460-255715-5	SB-14 (4-5)	Total/NA	Solid	8015D	837702
460-255715-6	SB-14 (6-10)	Total/NA	Solid	8015D	837702
460-255715-7	SB-15 (3-5)	Total/NA	Solid	8015D	837702
460-255715-8	SB-15 (12-13)	Total/NA	Solid	8015D	837702
460-255715-9	SB-9 (4-5)	Total/NA	Solid	8015D	837702

GC VOA (Continued)

Analysis Batch: 837797 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-10	SB-12 (0-5)	Total/NA	Solid	8015D	837702
460-255715-11	SB-12 (7-8)	Total/NA	Solid	8015D	837702
460-255715-12	SB-10(2.5-5)	Total/NA	Solid	8015D	837702
460-255715-13	SB-13 (2-2.5)	Total/NA	Solid	8015D	837702
460-255715-14	SB-13 (7-7.5)	Total/NA	Solid	8015D	837702
460-255715-15	SB-16 (3-5)	Total/NA	Solid	8015D	837702
MB 460-837797/6	Method Blank	Total/NA	Solid	8015D	
LCS 460-837797/3	Lab Control Sample	Total/NA	Solid	8015D	
LCSD 460-837797/4	Lab Control Sample Dup	Total/NA	Solid	8015D	

GC Semi VOA

Prep Batch: 837713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	3546	
460-255715-17	COMP-2	Total/NA	Solid	3546	
460-255715-18	COMP-3	Total/NA	Solid	3546	
MB 460-837713/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-837713/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-837713/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-255715-16 MS	COMP-1	Total/NA	Solid	3546	
460-255715-16 MSD	COMP-1	Total/NA	Solid	3546	

Prep Batch: 837716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-1	SB-8 (0-5)	Total/NA	Solid	3546	
460-255715-2	SB-8 (8-8.5)	Total/NA	Solid	3546	
460-255715-3	SB-11 (4-4.5)	Total/NA	Solid	3546	
460-255715-4	SB-11 (9.5-10)	Total/NA	Solid	3546	
460-255715-5	SB-14 (4-5)	Total/NA	Solid	3546	
460-255715-6	SB-14 (6-10)	Total/NA	Solid	3546	
460-255715-7	SB-15 (3-5)	Total/NA	Solid	3546	
460-255715-8	SB-15 (12-13)	Total/NA	Solid	3546	
460-255715-9	SB-9 (4-5)	Total/NA	Solid	3546	
460-255715-10	SB-12 (0-5)	Total/NA	Solid	3546	
460-255715-11	SB-12 (7-8)	Total/NA	Solid	3546	
460-255715-12	SB-10(2.5-5)	Total/NA	Solid	3546	
MB 460-837716/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-837716/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-837716/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-255621-A-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-255621-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 837782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	8082A	837713
460-255715-17	COMP-2	Total/NA	Solid	8082A	837713
460-255715-18	COMP-3	Total/NA	Solid	8082A	837713
MB 460-837713/1-A	Method Blank	Total/NA	Solid	8082A	837713
LCS 460-837713/2-A	Lab Control Sample	Total/NA	Solid	8082A	837713
LCSD 460-837713/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	837713

GC Semi VOA (Continued)

Analysis Batch: 837782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16 MS	COMP-1	Total/NA	Solid	8082A	837713
460-255715-16 MSD	COMP-1	Total/NA	Solid	8082A	837713

Analysis Batch: 837799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-1	SB-8 (0-5)	Total/NA	Solid	8015D	837716
460-255715-2	SB-8 (8-8.5)	Total/NA	Solid	8015D	837716
460-255715-3	SB-11 (4-4.5)	Total/NA	Solid	8015D	837716
460-255715-4	SB-11 (9.5-10)	Total/NA	Solid	8015D	837716
460-255715-5	SB-14 (4-5)	Total/NA	Solid	8015D	837716
460-255715-6	SB-14 (6-10)	Total/NA	Solid	8015D	837716
460-255715-7	SB-15 (3-5)	Total/NA	Solid	8015D	837716
460-255715-8	SB-15 (12-13)	Total/NA	Solid	8015D	837716
460-255715-9	SB-9 (4-5)	Total/NA	Solid	8015D	837716
460-255715-10	SB-12 (0-5)	Total/NA	Solid	8015D	837716
460-255715-11	SB-12 (7-8)	Total/NA	Solid	8015D	837716
460-255715-12	SB-10(2.5-5)	Total/NA	Solid	8015D	837716
MB 460-837716/1-A	Method Blank	Total/NA	Solid	8015D	837716
LCS 460-837716/2-A	Lab Control Sample	Total/NA	Solid	8015D	837716
LCSD 460-837716/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	837716
460-255621-A-1-A MS	Matrix Spike	Total/NA	Solid	8015D	837716
460-255621-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015D	837716

Prep Batch: 839877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-13	SB-13 (2-2.5)	Total/NA	Solid	3546	
460-255715-14	SB-13 (7-7.5)	Total/NA	Solid	3546	
460-255715-15	SB-16 (3-5)	Total/NA	Solid	3546	
MB 460-839877/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-839877/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-839877/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-256383-B-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-256383-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 839919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-13	SB-13 (2-2.5)	Total/NA	Solid	8015D	839877
460-255715-14	SB-13 (7-7.5)	Total/NA	Solid	8015D	839877
460-255715-15	SB-16 (3-5)	Total/NA	Solid	8015D	839877
MB 460-839877/1-A	Method Blank	Total/NA	Solid	8015D	839877
LCS 460-839877/2-A	Lab Control Sample	Total/NA	Solid	8015D	839877
LCSD 460-839877/3-A	Lab Control Sample Dup	Total/NA	Solid	8015D	839877
460-256383-B-1-A MS	Matrix Spike	Total/NA	Solid	8015D	839877
460-256383-B-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8015D	839877

Metals

Prep Batch: 837778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	7471B	
460-255715-17	COMP-2	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 837778 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-18	COMP-3	Total/NA	Solid	7471B	
MB 460-837778/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-837778/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-255183-B-2-D MS	Matrix Spike	Total/NA	Solid	7471B	
460-255183-B-2-C DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 837885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	7471B	837778
460-255715-17	COMP-2	Total/NA	Solid	7471B	837778
460-255715-18	COMP-3	Total/NA	Solid	7471B	837778
MB 460-837778/1-A	Method Blank	Total/NA	Solid	7471B	837778
LCSSRM 460-837778/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	837778
460-255183-B-2-D MS	Matrix Spike	Total/NA	Solid	7471B	837778
460-255183-B-2-C DU	Duplicate	Total/NA	Solid	7471B	837778

Leach Batch: 838170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	TCLP	Solid	1311	
460-255715-17	COMP-2	TCLP	Solid	1311	
LB 460-838170/1-B ^10	Method Blank	TCLP	Solid	1311	
460-255598-E-1-K MS	Matrix Spike	TCLP	Solid	1311	
460-255713-A-7-G MS ^10	Matrix Spike	TCLP	Solid	1311	
460-255598-E-1-J DU	Duplicate	TCLP	Solid	1311	
460-255713-A-7-F DU ^10	Duplicate	TCLP	Solid	1311	

Prep Batch: 838203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	3050B	
460-255715-17	COMP-2	Total/NA	Solid	3050B	
460-255715-18	COMP-3	Total/NA	Solid	3050B	
MB 460-838203/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-838203/2-A ^5	Lab Control Sample	Total/NA	Solid	3050B	
460-254625-B-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
460-254625-B-1-B DU	Duplicate	Total/NA	Solid	3050B	

Leach Batch: 838311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-18	COMP-3	TCLP	Solid	1311	
LB 460-838311/1-B ^10	Method Blank	TCLP	Solid	1311	
LB 460-838311/1-D	Method Blank	TCLP	Solid	1311	
460-255749-F-1-H MS ^10	Matrix Spike	TCLP	Solid	1311	
460-255749-F-1-G DU ^10	Duplicate	TCLP	Solid	1311	

Prep Batch: 838313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	TCLP	Solid	3010A	838170
460-255715-17	COMP-2	TCLP	Solid	3010A	838170
LB 460-838170/1-B ^10	Method Blank	TCLP	Solid	3010A	838170
MB 460-838313/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-838313/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	

Metals (Continued)

Prep Batch: 838313 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255713-A-7-G MS ^10	Matrix Spike	TCLP	Solid	3010A	838170
460-255713-A-7-F DU ^10	Duplicate	TCLP	Solid	3010A	838170

Analysis Batch: 838367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	TCLP	Solid	6020B	838313
460-255715-16	COMP-1	Total/NA	Solid	6020B	838203
460-255715-17	COMP-2	TCLP	Solid	6020B	838313
460-255715-17	COMP-2	Total/NA	Solid	6020B	838203
460-255715-18	COMP-3	Total/NA	Solid	6020B	838203
LB 460-838170/1-B ^10	Method Blank	TCLP	Solid	6020B	838313
MB 460-838203/1-A	Method Blank	Total/NA	Solid	6020B	838203
MB 460-838313/1-A	Method Blank	Total/NA	Solid	6020B	838313
LCS 460-838313/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	838313
LCSSRM 460-838203/2-A ^5	Lab Control Sample	Total/NA	Solid	6020B	838203
LRC 460-838367/12	Lab Control Sample		Solid	6020B	
LRC 460-838367/13	Lab Control Sample		Solid	6020B	
460-254625-B-1-C MS	Matrix Spike	Total/NA	Solid	6020B	838203
460-255713-A-7-G MS ^10	Matrix Spike	TCLP	Solid	6020B	838313
460-254625-B-1-B DU	Duplicate	Total/NA	Solid	6020B	838203
460-255713-A-7-F DU ^10	Duplicate	TCLP	Solid	6020B	838313

Prep Batch: 838423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-18	COMP-3	TCLP	Solid	3010A	838311
LB 460-838311/1-B ^10	Method Blank	TCLP	Solid	3010A	838311
MB 460-838423/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 460-838423/2-A ^10	Lab Control Sample	Total/NA	Solid	3010A	
460-255749-F-1-H MS ^10	Matrix Spike	TCLP	Solid	3010A	838311
460-255749-F-1-G DU ^10	Duplicate	TCLP	Solid	3010A	838311

Analysis Batch: 838499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-18	COMP-3	TCLP	Solid	6020B	838423
LB 460-838311/1-B ^10	Method Blank	TCLP	Solid	6020B	838423
MB 460-838423/1-A	Method Blank	Total/NA	Solid	6020B	838423
LCS 460-838423/2-A ^10	Lab Control Sample	Total/NA	Solid	6020B	838423
LRC 460-838499/12	Lab Control Sample		Solid	6020B	
LRC 460-838499/13	Lab Control Sample		Solid	6020B	
460-255749-F-1-H MS ^10	Matrix Spike	TCLP	Solid	6020B	838423
460-255749-F-1-G DU ^10	Duplicate	TCLP	Solid	6020B	838423

Prep Batch: 838522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	TCLP	Solid	7470A	838170
460-255715-17	COMP-2	TCLP	Solid	7470A	838170
460-255715-18	COMP-3	TCLP	Solid	7470A	838311
LB 460-838311/1-D	Method Blank	TCLP	Solid	7470A	838311
MB 460-838522/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 460-838522/2-A	Lab Control Sample	Total/NA	Solid	7470A	
460-255598-E-1-K MS	Matrix Spike	TCLP	Solid	7470A	838170

Metals (Continued)

Prep Batch: 838522 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255598-E-1-J DU	Duplicate	TCLP	Solid	7470A	838170

Analysis Batch: 838554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	TCLP	Solid	7470A	838522
460-255715-17	COMP-2	TCLP	Solid	7470A	838522
460-255715-18	COMP-3	TCLP	Solid	7470A	838522
LB 460-838311/1-D	Method Blank	TCLP	Solid	7470A	838522
MB 460-838522/1-A	Method Blank	Total/NA	Solid	7470A	838522
LCS 460-838522/2-A	Lab Control Sample	Total/NA	Solid	7470A	838522
460-255598-E-1-K MS	Matrix Spike	TCLP	Solid	7470A	838522
460-255598-E-1-J DU	Duplicate	TCLP	Solid	7470A	838522

General Chemistry

Analysis Batch: 837678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-1	SB-8 (0-5)	Total/NA	Solid	Moisture	
460-255715-2	SB-8 (8-8.5)	Total/NA	Solid	Moisture	
460-255715-3	SB-11 (4-4.5)	Total/NA	Solid	Moisture	
460-255715-4	SB-11 (9.5-10)	Total/NA	Solid	Moisture	
460-255715-5	SB-14 (4-5)	Total/NA	Solid	Moisture	
460-255715-6	SB-14 (6-10)	Total/NA	Solid	Moisture	
460-255715-7	SB-15 (3-5)	Total/NA	Solid	Moisture	
460-255715-8	SB-15 (12-13)	Total/NA	Solid	Moisture	
460-255715-9	SB-9 (4-5)	Total/NA	Solid	Moisture	
460-255715-10	SB-12 (0-5)	Total/NA	Solid	Moisture	
460-255715-11	SB-12 (7-8)	Total/NA	Solid	Moisture	
460-255715-12	SB-10(2.5-5)	Total/NA	Solid	Moisture	
460-255715-13	SB-13 (2-2.5)	Total/NA	Solid	Moisture	
460-255715-14	SB-13 (7-7.5)	Total/NA	Solid	Moisture	
460-255715-15	SB-16 (3-5)	Total/NA	Solid	Moisture	
460-255715-15 DU	SB-16 (3-5)	Total/NA	Solid	Moisture	

Analysis Batch: 837704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-16	COMP-1	Total/NA	Solid	Moisture	
460-255715-17	COMP-2	Total/NA	Solid	Moisture	
460-255715-18	COMP-3	Total/NA	Solid	Moisture	
460-255715-19	COMP-4	Total/NA	Solid	Moisture	
460-255388-A-4 MS	Matrix Spike	Total/NA	Solid	Moisture	
460-255388-A-4 MSD	Matrix Spike Duplicate	Total/NA	Solid	Moisture	
460-255388-A-7 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 838069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	9095B	
460-255216-K-1 DU	Duplicate	Total/NA	Solid	9095B	

General Chemistry

Analysis Batch: 838253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	9045D	
MB 460-838253/2	Method Blank	Total/NA	Solid	9045D	
LCSSRM 460-838253/3	Lab Control Sample	Total/NA	Solid	9045D	
460-255715-19 DU	COMP-4	Total/NA	Solid	9045D	

Analysis Batch: 838418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	1030	
460-255598-C-1 DU	Duplicate	Total/NA	Solid	1030	

Prep Batch: 838741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	7.3.4	
MB 460-838741/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCSSRM 460-838741/3-A	Lab Control Sample	Total/NA	Solid	7.3.4	
460-255790-K-1-B MS	Matrix Spike	Total/NA	Solid	7.3.4	
460-255790-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	7.3.4	

Prep Batch: 838742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	7.3.3	
MB 460-838742/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 460-838742/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	
460-255873-B-1-I DU	Duplicate	Total/NA	Solid	7.3.3	

Analysis Batch: 838754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	9034	838741
MB 460-838741/1-A	Method Blank	Total/NA	Solid	9034	838741
LCSSRM 460-838741/3-A	Lab Control Sample	Total/NA	Solid	9034	838741
460-255790-K-1-B MS	Matrix Spike	Total/NA	Solid	9034	838741
460-255790-K-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	9034	838741

Analysis Batch: 838755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-255715-19	COMP-4	Total/NA	Solid	9014	838742
MB 460-838742/1-A	Method Blank	Total/NA	Solid	9014	838742
LCS 460-838742/2-A	Lab Control Sample	Total/NA	Solid	9014	838742
460-255873-B-1-I DU	Duplicate	Total/NA	Solid	9014	838742

Client Sample ID: SB-8 (0-5)
Date Collected: 04/05/22 09:10
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-8 (0-5)
Date Collected: 04/05/22 09:10
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-1
Matrix: Solid
Percent Solids: 92.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:29	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 11:21	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 09:54	CDC	TAL EDI

Client Sample ID: SB-8 (8-8.5)
Date Collected: 04/05/22 09:20
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-8 (8-8.5)
Date Collected: 04/05/22 09:20
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-2
Matrix: Solid
Percent Solids: 97.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:29	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 11:49	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 00:28	CDC	TAL EDI

Client Sample ID: SB-11 (4-4.5)
Date Collected: 04/05/22 09:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-11 (4-4.5)
Date Collected: 04/05/22 09:40
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-3
Matrix: Solid
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:29	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 12:18	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 00:49	CDC	TAL EDI

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255715-4
Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-11 (9.5-10)
Lab Sample ID: 460-255715-4
Date Collected: 04/05/22 09:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 98.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:29	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 12:48	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 01:53	CDC	TAL EDI

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255715-5
Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-14 (4-5)
Lab Sample ID: 460-255715-5
Date Collected: 04/05/22 10:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:29	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 13:16	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 02:15	CDC	TAL EDI

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255715-6
Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-14 (6-10)
Lab Sample ID: 460-255715-6
Date Collected: 04/05/22 10:10
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:30	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 13:45	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 02:36	CDC	TAL EDI

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255715-7
Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-15 (3-5)
Lab Sample ID: 460-255715-7
Date Collected: 04/05/22 10:45
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:30	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 14:14	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 02:57	CDC	TAL EDI

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255715-8
Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-15 (12-13)
Lab Sample ID: 460-255715-8
Date Collected: 04/05/22 11:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:30	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 14:43	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 03:18	CDC	TAL EDI

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255715-9
Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-9 (4-5)
Lab Sample ID: 460-255715-9
Date Collected: 04/05/22 11:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 99.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:30	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 15:12	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 03:39	CDC	TAL EDI

Client Sample ID: SB-12 (0-5)
Date Collected: 04/05/22 12:00
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-12 (0-5)
Date Collected: 04/05/22 12:00
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-10
Matrix: Solid
Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:30	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 15:42	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 04:01	CDC	TAL EDI

Client Sample ID: SB-12 (7-8)
Date Collected: 04/05/22 11:50
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-12 (7-8)
Date Collected: 04/05/22 11:50
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-11
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:31	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 17:11	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 04:22	CDC	TAL EDI

Client Sample ID: SB-10(2.5-5)
Date Collected: 04/05/22 12:30
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-10(2.5-5)
Date Collected: 04/05/22 12:30
Date Received: 04/05/22 18:00

Lab Sample ID: 460-255715-12
Matrix: Solid
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:31	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 17:41	CJM	TAL EDI
Total/NA	Prep	3546			837716	04/06/22 18:25	ARA	TAL EDI
Total/NA	Analysis	8015D		1	837799	04/08/22 04:43	CDC	TAL EDI

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255715-13
Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-13 (2-2.5)
Lab Sample ID: 460-255715-13
Date Collected: 04/05/22 12:55
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 95.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:31	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 18:11	CJM	TAL EDI
Total/NA	Prep	3546			839877	04/18/22 22:17	JMS	TAL EDI
Total/NA	Analysis	8015D		1	839919	04/19/22 08:52	CDC	TAL EDI

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255715-14
Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-13 (7-7.5)
Lab Sample ID: 460-255715-14
Date Collected: 04/05/22 13:00
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:31	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 18:41	CJM	TAL EDI
Total/NA	Prep	3546			839877	04/18/22 22:17	JMS	TAL EDI
Total/NA	Analysis	8015D		1	839919	04/19/22 09:05	CDC	TAL EDI

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255715-15
Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	837678	04/06/22 16:39	CJC	TAL EDI

Client Sample ID: SB-16 (3-5)
Lab Sample ID: 460-255715-15
Date Collected: 04/05/22 13:20
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			837702	04/06/22 17:31	JJC	TAL EDI
Total/NA	Analysis	8015D		50	837797	04/07/22 19:10	CJM	TAL EDI
Total/NA	Prep	3546			839877	04/18/22 22:17	JMS	TAL EDI
Total/NA	Analysis	8015D		1	839919	04/19/22 09:17	CDC	TAL EDI

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16
Date Collected: 04/05/22 10:25
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			838170	04/08/22 15:00	YXG	TAL EDI
TCLP	Prep	3010A			838313	04/09/22 17:55	GAE	TAL EDI
TCLP	Analysis	6020B		10	838367	04/10/22 17:09	MDC	TAL EDI
TCLP	Leach	1311			838170	04/08/22 15:00	YXG	TAL EDI
TCLP	Prep	7470A			838522	04/11/22 13:32	RBS	TAL EDI
TCLP	Analysis	7470A		1	838554	04/11/22 14:45	RBS	TAL EDI
Total/NA	Analysis	Moisture		1	837704	04/06/22 17:41	CJC	TAL EDI

Client Sample ID: COMP-1
Lab Sample ID: 460-255715-16
Date Collected: 04/05/22 10:25
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			837727	04/06/22 19:30	GXY	TAL EDI
Total/NA	Analysis	8270E		1	837819	04/07/22 18:53	MDJ	TAL EDI
Total/NA	Prep	3546			837713	04/06/22 18:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	837782	04/07/22 11:43	JHP	TAL EDI
Total/NA	Prep	3050B			838203	04/08/22 19:50	GAE	TAL EDI
Total/NA	Analysis	6020B		1	838367	04/10/22 14:20	MDC	TAL EDI
Total/NA	Prep	7471B			837778	04/07/22 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	837885	04/07/22 09:59	TJS	TAL EDI

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17
Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			838170	04/08/22 15:00	YXG	TAL EDI
TCLP	Prep	3010A			838313	04/09/22 17:55	GAE	TAL EDI
TCLP	Analysis	6020B		10	838367	04/10/22 17:11	MDC	TAL EDI
TCLP	Leach	1311			838170	04/08/22 15:00	YXG	TAL EDI
TCLP	Prep	7470A			838522	04/11/22 13:32	RBS	TAL EDI
TCLP	Analysis	7470A		1	838554	04/11/22 14:47	RBS	TAL EDI
Total/NA	Analysis	Moisture		1	837704	04/06/22 17:41	CJC	TAL EDI

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17
Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			837727	04/06/22 19:30	GXY	TAL EDI
Total/NA	Analysis	8270E		1	837819	04/07/22 19:10	MDJ	TAL EDI
Total/NA	Prep	3546			837713	04/06/22 18:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	837782	04/07/22 12:33	JHP	TAL EDI
Total/NA	Prep	3050B			838203	04/08/22 19:50	GAE	TAL EDI
Total/NA	Analysis	6020B		1	838367	04/10/22 14:22	MDC	TAL EDI

Client Sample ID: COMP-2
Lab Sample ID: 460-255715-17
Date Collected: 04/05/22 12:15
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 94.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			837778	04/07/22 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	837885	04/07/22 10:01	TJS	TAL EDI

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18
Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			838311	04/09/22 15:00	YXG	TAL EDI
TCLP	Prep	3010A			838423	04/10/22 17:25	GAE	TAL EDI
TCLP	Analysis	6020B		10	838499	04/11/22 14:34	MDC	TAL EDI
TCLP	Leach	1311			838311	04/09/22 15:00	YXG	TAL EDI
TCLP	Prep	7470A			838522	04/11/22 13:32	RBS	TAL EDI
TCLP	Analysis	7470A		1	838554	04/11/22 14:49	RBS	TAL EDI
Total/NA	Analysis	Moisture		1	837704	04/06/22 17:41	CJC	TAL EDI

Client Sample ID: COMP-3
Lab Sample ID: 460-255715-18
Date Collected: 04/05/22 13:35
Matrix: Solid
Date Received: 04/05/22 18:00
Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			837727	04/06/22 19:30	GXY	TAL EDI
Total/NA	Analysis	8270E		1	837819	04/07/22 19:28	MDJ	TAL EDI
Total/NA	Prep	3546			837713	04/06/22 18:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	837782	04/07/22 12:49	JHP	TAL EDI
Total/NA	Prep	3050B			838203	04/08/22 19:50	GAE	TAL EDI
Total/NA	Analysis	6020B		1	838367	04/10/22 14:25	MDC	TAL EDI
Total/NA	Prep	7471B			837778	04/07/22 04:03	TJS	TAL EDI
Total/NA	Analysis	7471B		1	837885	04/07/22 10:02	TJS	TAL EDI

Client Sample ID: COMP-4
Lab Sample ID: 460-255715-19
Date Collected: 04/05/22 13:45
Matrix: Solid
Date Received: 04/05/22 18:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	1030		1	838418	04/10/22 15:18	YXG	TAL EDI
Total/NA	Prep	7.3.3			838742	04/12/22 14:22	YAH	TAL EDI
Total/NA	Analysis	9014		1	838755	04/12/22 16:52	YAH	TAL EDI
Total/NA	Prep	7.3.4			838741	04/12/22 14:16	YAH	TAL EDI
Total/NA	Analysis	9034		1	838754	04/12/22 16:50	YAH	TAL EDI
Total/NA	Analysis	9045D		1	838253	04/09/22 11:08	KSS	TAL EDI
Total/NA	Analysis	9095B		1	838069	04/08/22 10:43	YAH	TAL EDI
Total/NA	Analysis	Moisture		1	837704	04/06/22 17:41	CJC	TAL EDI

Laboratory References:

TAL EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Environmental Compliance & Control Inc
Job ID: 460-255715-1
Project/Site: Bridge Cleaners

Laboratory: Eurofins Edison

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-23

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

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
9014	7.3.3	Solid	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9045D		Solid	Temperature
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Shipping and Receiving Documents

Address: _____

NYC 222

Chain of Custody Record

635942

eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: N Krasnecky	Site Contact: Ashleigh Norberg	Date: 4/5/22	COC No: 2
Company Name: ECC Horizon	Tel/Email: nkrasnecky@ecchorizon	Lab Contact:	Carrier:	1 of 2 COCs
Address: 1 Emery Ave. Unit 2	Analysis Turnaround Time			Sampler:
City/State/Zip: Randolph NJ	☐ CALENDAR DAYS ☒ WORKING DAYS			Lab Use Only:
Phone: 973 989 8010	TAT if different from Below			k-in Client:
Fax:	☐ 2 weeks			Sampling:
Project Name: Bridge Cleaners	☒ 1 week – 5 days			/ SDG No.: 255715
Site: Bridge Cleaners	☐ 2 days			
P O #	☐ 1 day			

460-255715 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH - 8015	TPH - DRO	TPH - Total Solids	Sample Specific Notes:
SB-8 (0-5)	4/5/22	910	G	S	3			X	X	X	1
SB-8 (8-8.5)		920			3						2
SB-11 (4-4.5)		940			3						3
SB-11 (9.5-10)		945			3						4
SB-14 (4-5)		1000									5
SB-14 (6-10)		1010									6
SB-15 (3-5)		1045									7
SB-15 (12-13)		1100									8
SB-9 (4-5)		1120									9
SB-12 (0-5)		1200									10
SB-12 (7-8)		1150									11
SB-10 (7-7.5)		1235									12

5-Day RUSH

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: ECC	Date/Time: 4/5/22 16:00	Received by:	Company: TA NYC	Date/Time: 04/05/22 16:00
Relinquished by:	Company: TA NYC	Date/Time: 04/05/22 17:00	Received by:	Company:	Date/Time: 4/5/22 1200
Relinquished by:	Company:	Date/Time: 4/5/22 1800	Received in Laboratory by:	Company:	Date/Time: 4/6/22

Address: _____

NYC 222

Chain of Custody Record

635944

eurofins | Environment Testing America

Regulatory Program: ☒ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: N Krasnecky	Site Contact: Ashlyn Narburg	Date: 4/5/22	COC No: 2
Company Name: ECC Horizon	Tel/Email: nkrasnecky@eccHorizon.com	Lab Contact:	Carrier:	2 of 2 COCs
Address: 1 Emery Ave, Unit 2	Analysis Turnaround Time			Sampler:
City/State/Zip: Randolph, NJ 07948	☐ CALENDAR DAYS ☒ WORKING DAYS			For Lab Use Only:
Phone: 973 989 8010	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: Bridge Cleaners	☒ 1 week - 5 day			Job / SDG No.: 255715
Site: Bridge Cleaners	☐ 2 days			
P O #	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPH - Gas	TPH - DRO	TPH - Total Solids	TAL Metals + Mercury	TCLP Metals	TCL BNA	PCBs	Ignitability	Cyanide, Reactive	Sulfide, Reactive	Corrosivity/pH	Paint Filter	Sample Specific Notes:
SB-13 (2-2.5)	4/5/22	1155	G	S	3			X												13
SB-13 (7-7.5)		1300	G		3			X												14
SB-16 (3-5)		1320	G		3			X												15
Comp-1		1025	C		4						X	X	X	X						16
Comp-2		1115	C		4						X	X	X	X						17
Comp-3		1335	C		4						X	X	X	X						18
Comp-4		1345	C		3										X	X	X	X	X	19

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ | Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	ECC	4/5/22 16:00	Received by:	TA NYC	04/05/22 16:00
Relinquished by:	TA NYC	04/05/22 17:00	Received by:		4522 1700
Relinquished by:		4/22/1800	Received in Laboratory by:		4/22/18

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04/20/2022

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 255715

Number of Coolers: 3 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	29 °C	24 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	26 °C	28 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	13 °C	15 °C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ **Date:** 4/5/22

Login Sample Receipt Checklist

Client: Environmental Compliance & Control Inc

Job Number: 460-255715-1

Login Number: 255715
List Number: 1
Creator: Khlungprakhon, Sukanya

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are 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 containers received 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	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

PFAS - Composite Sampling Analytical Report

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February 20, 2023

Matthew Cordova
Aqua Pro-Tech Laboratories
1275 Bloomfield Ave., Bldg. 6
Fairfield, NJ 07004

Project Location:
Client Job Number:
Project Number: 23B0407
Laboratory Work Order Number: 23B1622

Enclosed are results of analyses for samples as received by the laboratory on February 11, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kaitlyn A. Feliciano
Project Manager

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

Aqua Pro-Tech Laboratories
1275 Bloomfield Ave., Bldg. 6
Fairfield, NJ 07004
ATTN: Matthew Cordova

REPORT DATE: 2/20/2023

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 23B0407

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23B1622

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION:

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SC-5	23B1622-01	Soil		Draft Method 1633	
				SM 2540G	
SC-6	23B1622-02	Soil		Draft Method 1633	
				SM 2540G	

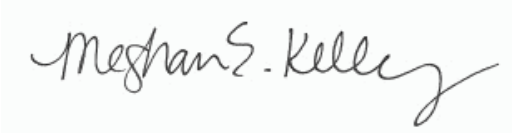
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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

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

Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-5 Sampled: 2/9/2023 11:00

Sample ID: 23B1622-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoropentanoic acid (PFPeA)	ND	0.40	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorohexanoic acid (PFHxA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoroheptanoic acid (PFHpA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorooctanoic acid (PFOA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorononanoic acid (PFNA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorodecanoic acid (PFDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoroundecanoic acid (PFUnA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorododecanoic acid (PFDoA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoropetanesulfonic acid (PFPeS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorononanesulfonic acid (PFNS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-MeFOSAA (NMeFOSAA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-EtFOSAA (NEtFOSAA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
9Cl-PF3ONS (F53B Minor)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
11Cl-PF3OUdS (F53B Major)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM

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Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-5 Sampled: 2/9/2023 11:00

Sample ID: 23B1622-01

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:09	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
13C4-PFBA	78.9	20-150		2/20/23	0:09
13C5-PFPeA	79.7	20-150		2/20/23	0:09
13C5-PFHxA	77.1	20-150		2/20/23	0:09
13C4-PFHpA	82.3	20-150		2/20/23	0:09
13C8-PFOA	80.4	20-150		2/20/23	0:09
13C9-PFNA	81.2	20-150		2/20/23	0:09
13C6-PFDA	81.1	20-150		2/20/23	0:09
13C7-PFUnA	81.1	20-150		2/20/23	0:09
13C2-PFDoA	81.7	20-150		2/20/23	0:09
13C2-PFTeDA	92.4	20-150		2/20/23	0:09
13C3-PFBS	76.7	20-150		2/20/23	0:09
13C3-PFHxS	76.2	20-150		2/20/23	0:09
13C8-PFOS	80.6	20-150		2/20/23	0:09
13C2-4:2FTS	73.0	20-150		2/20/23	0:09
13C2-6:2FTS	76.3	20-150		2/20/23	0:09
13C2-8:2FTS	83.4	20-150		2/20/23	0:09
13C8-PFOSA	77.6	20-150		2/20/23	0:09
D3-NMeFOSA	63.4	20-150		2/20/23	0:09
D5-NEtFOSA	65.1	20-150		2/20/23	0:09
D3-NMeFOSAA	79.5	20-150		2/20/23	0:09
D5-NEtFOSAA	85.9	20-150		2/20/23	0:09
D7-NMeFOSE	73.1	20-150		2/20/23	0:09
D9-NEtFOSE	73.4	20-150		2/20/23	0:09
13C3-HFPO-DA	86.1	20-150		2/20/23	0:09

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Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-5 Sampled: 2/9/2023 11:00

Sample ID: 23B1622-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.9		% Wt	1		SM 2540G	2/15/23	2/15/23 16:53	AMV

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Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-6 Sampled: 2/9/2023 11:20

Sample ID: 23B1622-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoropentanoic acid (PFPeA)	ND	0.41	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorohexanoic acid (PFHxA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoroheptanoic acid (PFHpA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorooctanoic acid (PFOA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorononanoic acid (PFNA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorodecanoic acid (PFDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoroundecanoic acid (PFUnA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorododecanoic acid (PFDoA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoropetanesulfonic acid (PFPeS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorooctanesulfonic acid (PFOS)	0.24	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorononanesulfonic acid (PFNS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-MeFOSAA (NMeFOSAA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-EtFOSAA (NEtFOSAA)	ND	0.20	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
9Cl-PF3ONS (F53B Minor)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
11Cl-PF3OUdS (F53B Major)	ND	0.81	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.41	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.41	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM

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Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-6 Sampled: 2/9/2023 11:20

Sample ID: 23B1622-02

Sample Matrix: Soil

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.41	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.41	µg/kg dry	1		Draft Method 1633	2/18/23	2/20/23 0:41	BLM

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
13C4-PFBA	77.2	20-150		2/20/23	0:41
13C5-PFPeA	79.8	20-150		2/20/23	0:41
13C5-PFHxA	76.0	20-150		2/20/23	0:41
13C4-PFHpA	81.1	20-150		2/20/23	0:41
13C8-PFOA	73.4	20-150		2/20/23	0:41
13C9-PFNA	76.5	20-150		2/20/23	0:41
13C6-PFDA	78.2	20-150		2/20/23	0:41
13C7-PFUnA	80.0	20-150		2/20/23	0:41
13C2-PFDoA	77.1	20-150		2/20/23	0:41
13C2-PFTeDA	86.3	20-150		2/20/23	0:41
13C3-PFBS	72.6	20-150		2/20/23	0:41
13C3-PFHxS	74.2	20-150		2/20/23	0:41
13C8-PFOS	77.9	20-150		2/20/23	0:41
13C2-4:2FTS	71.7	20-150		2/20/23	0:41
13C2-6:2FTS	76.3	20-150		2/20/23	0:41
13C2-8:2FTS	76.0	20-150		2/20/23	0:41
13C8-PFOSA	73.3	20-150		2/20/23	0:41
D3-NMeFOSA	50.0	20-150		2/20/23	0:41
D5-NEtFOSA	45.6	20-150		2/20/23	0:41
D3-NMeFOSAA	75.3	20-150		2/20/23	0:41
D5-NEtFOSAA	78.0	20-150		2/20/23	0:41
D7-NMeFOSE	66.3	20-150		2/20/23	0:41
D9-NEtFOSE	63.7	20-150		2/20/23	0:41
13C3-HFPO-DA	78.7	20-150		2/20/23	0:41

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Project Location: Sample Description: Work Order: 23B1622

Date Received: 2/11/2023

Field Sample #: SC-6 Sampled: 2/9/2023 11:20

Sample ID: 23B1622-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.5		% Wt	1		SM 2540G	2/15/23	2/15/23 16:53	AMV

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Sample Extraction Data

Prep Method: Draft Method 1633 **Analytical Method: Draft Method 1633**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
23B1622-01RE3 [SC-5]	B332012	5.46	5.00	02/18/23
23B1622-02RE3 [SC-6]	B332012	5.44	5.00	02/18/23

Prep Method: % Solids **Analytical Method: SM 2540G**

Lab Number [Field ID]	Batch	Date
23B1622-01 [SC-5]	B331589	02/15/23
23B1622-02 [SC-6]	B331589	02/15/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332012 - Draft Method 1633										
Blank (B332012-BLK1)				Prepared: 02/18/23 Analyzed: 02/19/23						
Perfluorobutanoic acid (PFBA)	ND	0.80	µg/kg wet							
Perfluoropentanoic acid (PFPeA)	ND	0.40	µg/kg wet							
Perfluorohexanoic acid (PFHxA)	ND	0.20	µg/kg wet							
Perfluoroheptanoic acid (PFHpA)	ND	0.20	µg/kg wet							
Perfluorooctanoic acid (PFOA)	ND	0.20	µg/kg wet							
Perfluorononanoic acid (PFNA)	ND	0.20	µg/kg wet							
Perfluorodecanoic acid (PFDA)	ND	0.20	µg/kg wet							
Perfluoroundecanoic acid (PFUnA)	ND	0.20	µg/kg wet							
Perfluorododecanoic acid (PFDoA)	ND	0.20	µg/kg wet							
Perfluorotridecanoic acid (PFTrDA)	ND	0.20	µg/kg wet							
Perfluorotetradecanoic acid (PFTeDA)	ND	0.20	µg/kg wet							
Perfluorobutanesulfonic acid (PFBS)	ND	0.20	µg/kg wet							
Perfluoropetanesulfonic acid (PFPeS)	ND	0.20	µg/kg wet							
Perfluorohexanesulfonic acid (PFHxS)	ND	0.20	µg/kg wet							
Perfluoroheptanesulfonic acid (PFHpS)	ND	0.20	µg/kg wet							
Perfluorooctanesulfonic acid (PFOS)	ND	0.20	µg/kg wet							
Perfluorononanesulfonic acid (PFNS)	ND	0.20	µg/kg wet							
Perfluorodecanesulfonic acid (PFDS)	ND	0.20	µg/kg wet							
Perfluorododecanesulfonic acid (PFDoS)	ND	0.20	µg/kg wet							
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	ND	0.80	µg/kg wet							
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	ND	0.80	µg/kg wet							
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	ND	0.80	µg/kg wet							
Perfluorooctanesulfonamide (PFOSA)	ND	0.20	µg/kg wet							
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	ND	0.20	µg/kg wet							
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	ND	0.20	µg/kg wet							
N-MeFOSAA (NMeFOSAA)	ND	0.20	µg/kg wet							
N-EtFOSAA (NEtFOSAA)	ND	0.20	µg/kg wet							
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	ND	2.0	µg/kg wet							
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	ND	2.0	µg/kg wet							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	0.80	µg/kg wet							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	0.80	µg/kg wet							
9Cl-PF3ONS (F53B Minor)	ND	0.80	µg/kg wet							
11Cl-PF3OUdS (F53B Major)	ND	0.80	µg/kg wet							
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	ND	2.0	µg/kg wet							
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	ND	10	µg/kg wet							
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	ND	10	µg/kg wet							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	0.40	µg/kg wet							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ND	0.40	µg/kg wet							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ND	0.40	µg/kg wet							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	0.40	µg/kg wet							
Surrogate: 13C4-PFBA	*8.05*		µg/kg wet	9.96		80.8	20-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332012 - Draft Method 1633										
Blank (B332012-BLK1)				Prepared: 02/18/23 Analyzed: 02/19/23						
Surrogate: 13C5-PFPeA	*4.07*		µg/kg wet	4.98		81.8	20-150			
Surrogate: 13C5-PFHxA	*1.98*		µg/kg wet	2.49		79.7	20-150			
Surrogate: 13C4-PFHpA	*2.12*		µg/kg wet	2.49		85.1	20-150			
Surrogate: 13C8-PFOA	*1.96*		µg/kg wet	2.49		78.7	20-150			
Surrogate: 13C9-PFNA	*1.01*		µg/kg wet	1.24		80.8	20-150			
Surrogate: 13C6-PFDA	*1.05*		µg/kg wet	1.24		84.2	20-150			
Surrogate: 13C7-PFUnA	*1.03*		µg/kg wet	1.24		82.9	20-150			
Surrogate: 13C2-PFDoA	*1.01*		µg/kg wet	1.24		81.1	20-150			
Surrogate: 13C2-PFTeDA	*1.08*		µg/kg wet	1.24		87.0	20-150			
Surrogate: 13C3-PFBS	*2.07*		µg/kg wet	2.49		83.0	20-150			
Surrogate: 13C3-PFHxS	*2.06*		µg/kg wet	2.49		82.8	20-150			
Surrogate: 13C8-PFOS	*2.04*		µg/kg wet	2.49		81.7	20-150			
Surrogate: 13C2-4:2FTS	*3.72*		µg/kg wet	4.98		74.6	20-150			
Surrogate: 13C2-6:2FTS	*4.06*		µg/kg wet	4.98		81.5	20-150			
Surrogate: 13C2-8:2FTS	*3.80*		µg/kg wet	4.98		76.2	20-150			
Surrogate: 13C8-PFOSA	*1.92*		µg/kg wet	2.49		77.1	20-150			
Surrogate: D3-NMeFOSA	*1.74*		µg/kg wet	2.49		69.7	20-150			
Surrogate: D5-NEtFOSA	*1.76*		µg/kg wet	2.49		70.8	20-150			
Surrogate: D3-NMeFOSAA	*3.85*		µg/kg wet	4.98		77.3	20-150			
Surrogate: D5-NEtFOSAA	*3.82*		µg/kg wet	4.98		76.8	20-150			
Surrogate: D7-NMeFOSE	*18.7*		µg/kg wet	24.9		75.2	20-150			
Surrogate: D9-NEtFOSE	*18.5*		µg/kg wet	24.9		74.2	20-150			
Surrogate: 13C3-HFPO-DA	*8.47*		µg/kg wet	9.96		85.0	20-150			
LCS (B332012-BS1)				Prepared: 02/18/23 Analyzed: 02/19/23						
Perfluorobutanoic acid (PFBA)	0.771	0.80	µg/kg wet	0.800		96.4	40-150			
Perfluoropentanoic acid (PFPeA)	0.372	0.40	µg/kg wet	0.400		93.0	40-150			
Perfluorohexanoic acid (PFHxA)	0.180	0.20	µg/kg wet	0.200		90.0	40-150			
Perfluoroheptanoic acid (PFHpA)	0.180	0.20	µg/kg wet	0.200		89.9	40-150			
Perfluorooctanoic acid (PFOA)	0.179	0.20	µg/kg wet	0.200		89.6	40-150			
Perfluorononanoic acid (PFNA)	0.172	0.20	µg/kg wet	0.200		86.2	40-150			
Perfluorodecanoic acid (PFDA)	0.181	0.20	µg/kg wet	0.200		90.5	40-150			
Perfluoroundecanoic acid (PFUnA)	0.178	0.20	µg/kg wet	0.200		88.8	40-150			
Perfluorododecanoic acid (PFDoA)	0.178	0.20	µg/kg wet	0.200		88.9	40-150			
Perfluorotridecanoic acid (PFTrDA)	0.188	0.20	µg/kg wet	0.200		94.1	40-150			
Perfluorotetradecanoic acid (PFTeDA)	0.181	0.20	µg/kg wet	0.200		90.6	40-150			
Perfluorobutanesulfonic acid (PFBS)	0.155	0.20	µg/kg wet	0.178		87.5	40-150			
Perfluoropetanesulfonic acid (PFPeS)	0.163	0.20	µg/kg wet	0.188		86.8	40-150			
Perfluorohexanesulfonic acid (PFHxS)	0.166	0.20	µg/kg wet	0.183		90.5	40-150			
Perfluoroheptanesulfonic acid (PFHpS)	0.160	0.20	µg/kg wet	0.190		84.1	40-150			
Perfluorooctanesulfonic acid (PFOS)	0.175	0.20	µg/kg wet	0.186		94.3	40-150			
Perfluorononanesulfonic acid (PFNS)	0.171	0.20	µg/kg wet	0.192		88.9	40-150			
Perfluorodecanesulfonic acid (PFDS)	0.151	0.20	µg/kg wet	0.193		78.4	40-150			
Perfluorododecanesulfonic acid (PFDoS)	0.209	0.20	µg/kg wet	0.194		108	40-150			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	0.732	0.80	µg/kg wet	0.750		97.7	40-150			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	0.822	0.80	µg/kg wet	0.760		108	40-150			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	0.811	0.80	µg/kg wet	0.770		105	40-150			
Perfluorooctanesulfonamide (PFOSA)	0.177	0.20	µg/kg wet	0.200		88.5	40-150			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	0.188	0.20	µg/kg wet	0.200		93.8	40-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332012 - Draft Method 1633										
LCS (B332012-BS1)				Prepared: 02/18/23 Analyzed: 02/19/23						
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	0.193	0.20	µg/kg wet	0.200		96.4	40-150			
N-MeFOSAA (NMeFOSAA)	0.170	0.20	µg/kg wet	0.200		84.9	40-150			
N-EtFOSAA (NEtFOSAA)	0.186	0.20	µg/kg wet	0.200		92.8	40-150			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	1.82	2.0	µg/kg wet	2.00		91.0	40-150			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	1.80	2.0	µg/kg wet	2.00		89.8	40-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	0.762	0.80	µg/kg wet	0.795		95.9	40-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	0.690	0.80	µg/kg wet	0.755		91.4	40-150			
9Cl-PF3ONS (F53B Minor)	0.788	0.80	µg/kg wet	0.745		106	40-150			
11Cl-PF3OUdS (F53B Major)	0.833	0.80	µg/kg wet	0.755		110	40-150			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	1.62	2.0	µg/kg wet	2.00		80.9	40-150			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	8.82	10	µg/kg wet	10.0		88.2	40-150			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	8.65	10	µg/kg wet	10.0		86.5	40-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	0.302	0.40	µg/kg wet	0.356		84.9	40-150			
Perfluoro-3-methoxypropanoic acid (PFMPA)	0.334	0.40	µg/kg wet	0.400		83.4	40-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	0.334	0.40	µg/kg wet	0.400		83.4	40-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	0.394	0.40	µg/kg wet	0.400		98.5	40-150			
Surrogate: 13C4-PFBA	*8.39*		µg/kg wet	10.0		83.9	20-150			
Surrogate: 13C5-PFPeA	*4.04*		µg/kg wet	5.00		80.8	20-150			
Surrogate: 13C5-PFHxA	*1.99*		µg/kg wet	2.50		79.5	20-150			
Surrogate: 13C4-PFHpA	*2.13*		µg/kg wet	2.50		85.2	20-150			
Surrogate: 13C8-PFOA	*1.82*		µg/kg wet	2.50		72.9	20-150			
Surrogate: 13C9-PFNA	*0.975*		µg/kg wet	1.25		78.0	20-150			
Surrogate: 13C6-PFDA	*0.953*		µg/kg wet	1.25		76.2	20-150			
Surrogate: 13C7-PFUnA	*0.984*		µg/kg wet	1.25		78.7	20-150			
Surrogate: 13C2-PFDoA	*0.968*		µg/kg wet	1.25		77.4	20-150			
Surrogate: 13C2-PFTeDA	*1.16*		µg/kg wet	1.25		92.5	20-150			
Surrogate: 13C3-PFBS	*1.85*		µg/kg wet	2.50		74.1	20-150			
Surrogate: 13C3-PFHxS	*1.92*		µg/kg wet	2.50		76.7	20-150			
Surrogate: 13C8-PFOS	*1.98*		µg/kg wet	2.50		79.3	20-150			
Surrogate: 13C2-4:2FTS	*3.65*		µg/kg wet	5.00		72.9	20-150			
Surrogate: 13C2-6:2FTS	*3.81*		µg/kg wet	5.00		76.3	20-150			
Surrogate: 13C2-8:2FTS	*4.36*		µg/kg wet	5.00		87.1	20-150			
Surrogate: 13C8-PFOSA	*1.97*		µg/kg wet	2.50		78.6	20-150			
Surrogate: D3-NMeFOSA	*1.61*		µg/kg wet	2.50		64.2	20-150			
Surrogate: D5-NEtFOSA	*1.63*		µg/kg wet	2.50		65.2	20-150			
Surrogate: D3-NMeFOSAA	*3.71*		µg/kg wet	5.00		74.2	20-150			
Surrogate: D5-NEtFOSAA	*3.79*		µg/kg wet	5.00		75.8	20-150			
Surrogate: D7-NMeFOSE	*17.5*		µg/kg wet	25.0		70.0	20-150			
Surrogate: D9-NEtFOSE	*17.3*		µg/kg wet	25.0		69.4	20-150			
Surrogate: 13C3-HFPO-DA	*8.11*		µg/kg wet	10.0		81.1	20-150			
LCS (B332012-BS2)				Prepared: 02/18/23 Analyzed: 02/19/23						
Perfluorobutanoic acid (PFBA)	8.48	0.79	µg/kg wet	9.46		89.7	40-150			
Perfluoropentanoic acid (PFPeA)	4.31	0.39	µg/kg wet	4.73		91.0	40-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332012 - Draft Method 1633										
LCS (B332012-BS2)				Prepared: 02/18/23 Analyzed: 02/19/23						
Perfluorohexanoic acid (PFHxA)	2.16	0.20	µg/kg wet	2.37		91.5	40-150			
Perfluoroheptanoic acid (PFHpA)	2.10	0.20	µg/kg wet	2.37		88.6	40-150			
Perfluorooctanoic acid (PFOA)	2.17	0.20	µg/kg wet	2.37		91.5	40-150			
Perfluorononanoic acid (PFNA)	2.16	0.20	µg/kg wet	2.37		91.3	40-150			
Perfluorodecanoic acid (PFDA)	2.08	0.20	µg/kg wet	2.37		88.0	40-150			
Perfluoroundecanoic acid (PFUnA)	2.14	0.20	µg/kg wet	2.37		90.5	40-150			
Perfluorododecanoic acid (PFDoA)	2.23	0.20	µg/kg wet	2.37		94.2	40-150			
Perfluorotridecanoic acid (PFTrDA)	2.22	0.20	µg/kg wet	2.37		93.6	40-150			
Perfluorotetradecanoic acid (PFTeDA)	2.17	0.20	µg/kg wet	2.37		91.7	40-150			
Perfluorobutanesulfonic acid (PFBS)	1.98	0.20	µg/kg wet	2.10		94.2	40-150			
Perfluoropetanesulfonic acid (PFPeS)	2.05	0.20	µg/kg wet	2.22		92.1	40-150			
Perfluorohexanesulfonic acid (PFHxS)	1.91	0.20	µg/kg wet	2.16		88.1	40-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.98	0.20	µg/kg wet	2.25		87.9	40-150			
Perfluorooctanesulfonic acid (PFOS)	1.97	0.20	µg/kg wet	2.19		89.8	40-150			
Perfluorononanesulfonic acid (PFNS)	1.92	0.20	µg/kg wet	2.28		84.5	40-150			
Perfluorodecanesulfonic acid (PFDS)	1.83	0.20	µg/kg wet	2.28		80.2	40-150			
Perfluorododecanesulfonic acid (PFDoS)	2.54	0.20	µg/kg wet	2.29		111	40-150			
1H,1H,2H,2H-Perfluorohexane sulfonic acid (4:2FTS)	8.45	0.79	µg/kg wet	8.87		95.3	40-150			
1H,1H,2H,2H-Perfluorooctane sulfonic acid (6:2FTS)	8.01	0.79	µg/kg wet	8.99		89.1	40-150			
1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2FTS)	8.77	0.79	µg/kg wet	9.11		96.3	40-150			
Perfluorooctanesulfonamide (PFOSA)	2.13	0.20	µg/kg wet	2.37		90.0	40-150			
N-methyl perfluoroocatnesulfonamide (NMeFOSA)	2.16	0.20	µg/kg wet	2.37		91.4	40-150			
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	2.23	0.20	µg/kg wet	2.37		94.4	40-150			
N-MeFOSAA (NMeFOSAA)	2.09	0.20	µg/kg wet	2.37		88.1	40-150			
N-EtFOSAA (NEtFOSAA)	2.22	0.20	µg/kg wet	2.37		93.8	40-150			
N-methylperfluorooctanesulfonamidoethanol(NMeFOSE)	22.6	2.0	µg/kg wet	23.7		95.5	40-150			
N-ethylperfluorooctanesulfonamidoethanol (NEtFOSE)	23.4	2.0	µg/kg wet	23.7		99.1	40-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.71	0.79	µg/kg wet	9.46		92.0	40-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.25	0.79	µg/kg wet	8.93		92.4	40-150			
9Cl-PF3ONS (F53B Minor)	9.17	0.79	µg/kg wet	8.87		103	40-150			
11Cl-PF3OUdS (F53B Major)	9.55	0.79	µg/kg wet	8.93		107	40-150			
3-Perfluoropropyl propanoic acid (FPrPA) (3:3FTCA)	19.3	2.0	µg/kg wet	23.7		81.5	40-150			
2H,2H,3H,3H-Perfluorooctanoic acid(FPePA)(5:3FTCA)	114	9.9	µg/kg wet	118		96.2	40-150			
3-Perfluoroheptyl propanoic acid (FHpPA) (7:3FTCA)	116	9.9	µg/kg wet	118		98.1	40-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	4.23	0.39	µg/kg wet	4.21		100	40-150			
Perfluoro-3-methoxypropanoic acid (PFMPA)	4.31	0.39	µg/kg wet	4.73		91.2	40-150			
Perfluoro-4-methoxybutanoic acid (PFMBA)	4.46	0.39	µg/kg wet	4.73		94.2	40-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	5.03	0.39	µg/kg wet	4.73		106	40-150			
Surrogate: 13C4-PFBA	*7.69*		µg/kg wet	9.86		78.0	20-150			
Surrogate: 13C5-PFPeA	*3.90*		µg/kg wet	4.93		79.1	20-150			
Surrogate: 13C5-PFHxA	*1.88*		µg/kg wet	2.46		76.3	20-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B332012 - Draft Method 1633										
LCS (B332012-BS2)				Prepared: 02/18/23 Analyzed: 02/19/23						
Surrogate: 13C4-PFHpA	*2.06*		µg/kg wet	2.46		83.8	20-150			
Surrogate: 13C8-PFOA	*1.93*		µg/kg wet	2.46		78.3	20-150			
Surrogate: 13C9-PFNA	*0.966*		µg/kg wet	1.23		78.4	20-150			
Surrogate: 13C6-PFDA	*0.957*		µg/kg wet	1.23		77.7	20-150			
Surrogate: 13C7-PFUnA	*0.970*		µg/kg wet	1.23		78.7	20-150			
Surrogate: 13C2-PFDoA	*0.897*		µg/kg wet	1.23		72.8	20-150			
Surrogate: 13C2-PFTeDA	*1.03*		µg/kg wet	1.23		83.9	20-150			
Surrogate: 13C3-PFBS	*1.93*		µg/kg wet	2.46		78.3	20-150			
Surrogate: 13C3-PFHxS	*1.97*		µg/kg wet	2.46		79.8	20-150			
Surrogate: 13C8-PFOS	*1.94*		µg/kg wet	2.46		78.9	20-150			
Surrogate: 13C2-4:2FTS	*3.89*		µg/kg wet	4.93		79.0	20-150			
Surrogate: 13C2-6:2FTS	*4.14*		µg/kg wet	4.93		84.1	20-150			
Surrogate: 13C2-8:2FTS	*4.25*		µg/kg wet	4.93		86.3	20-150			
Surrogate: 13C8-PFOSA	*1.85*		µg/kg wet	2.46		75.1	20-150			
Surrogate: D3-NMeFOSA	*1.57*		µg/kg wet	2.46		63.5	20-150			
Surrogate: D5-NEtFOSA	*1.57*		µg/kg wet	2.46		63.8	20-150			
Surrogate: D3-NMeFOSAA	*3.75*		µg/kg wet	4.93		76.1	20-150			
Surrogate: D5-NEtFOSAA	*3.67*		µg/kg wet	4.93		74.4	20-150			
Surrogate: D7-NMeFOSE	*17.2*		µg/kg wet	24.6		70.0	20-150			
Surrogate: D9-NEtFOSE	*16.8*		µg/kg wet	24.6		68.0	20-150			
Surrogate: 13C3-HFPO-DA	*8.24*		µg/kg wet	9.86		83.5	20-150			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B331589 - % Solids										
Duplicate (B331589-DUP1)		**Source: 23B1622-01**		Prepared & Analyzed: 02/15/23						
% Solids	91.1		% Wt		90.9			0.212	10	

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires

23B1622

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

SUBCONTRACT ORDER

SENDING LABORATORY:

Aqua Pro-Tech Laboratories
1275 Bloomfield Ave, Bldg 6
Fairfield, NJ 07004
Phone: (973) 227-0422
Fax: (973) 227-2183

Project Mgr: Matthew Cordova
Email: mcordova@aquaprotechlabs.cc
Send Invoice to: AP@AquaProTechLabs.com
Send Report to: Reporting@AquaProTechLabs.com

RECEIVING LABORATORY:

Pace Analytical Services, New England
39 Spruce Street
East Longmeadow, MA 01028
Phone: (413) 525-2332
Fax:

Turn-Around Time

- [ ] APL Standard 2 Weeks
- [x] Rush (Choose One Below)
  - [ ] 24 Hr.
  - [ ] 48 Hr.
  - [ ] 72 Hr.
  - [x] 1 Week
- [ ] **Other (provide Date/Time)

Date _____ Time _____
**May Need Lab Approval

Report / Electronic Format

- [ ] Results Only
- [ ] NJ DEP Reduced
- [x] ~~NJ DEP Full~~ NYASP B
- [ ] State Forms/E2 Reporting
- [ ] Email Delivery
- [ ] Hazsite EDD
- [x] Excel

PWSID # _____ SRP# _____

APL Order ID: 23B0407

Laboratory ID	APL Lab ID	Sampled	SampleType	Matrix	Analysis Requested	[Comments]
	23B0407-01	02/09/2023 11:00	Composite	S	PFAS - Sub (PFAS - Per and Polyfluoroalkyl Substances) [PFAS NY Method 1633]	
	Sample Name/Location: SC-5 (2023-02-09)				*Containers Supplied:* Poly 250mL (A), Poly 250mL (B)	
	Comments:					
	23B0407-02	02/09/2023 11:20	Composite	S	PFAS - Sub (PFAS - Per and Polyfluoroalkyl Substances) [PFAS NY Method 1633]	
	Sample Name/Location: SC-6 (2023-02-09)				*Containers Supplied:* Poly 250mL (A), Poly 250mL (B)	
	Comments:					

Released By		Date / Time 2-9-23 1600	Received By		Date / Time
Released By		Date / Time 2.11.23 10:00	Received By		Date / Time

5.0

FedEx® Tracking

DELIVERED

Friday

2/10/2023 at 9:45 am

Signed for by: L.ARROYO

Obtain Proof of delivery

How was your delivery?

☆ ☆ ☆ ☆ ☆

DELIVERY STATUS

Delivered

TRACKING ID

771264704687

FROM
Aqua Pro Tech Labs
1275 Bloomfield Ave Bldg 6 Sample Management
FAIRFIELD, NJ US 07004
9732270422

Label Created
2/9/2023 2:11 PM

PACKAGE RECEIVED BY FEDEX
MAHWAH, NJ
2/9/2023 4:08 PM

IN TRANSIT
WINDSOR LOCKS, CT
2/10/2023 7:25 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
2/10/2023 7:35 AM

DELIVERED
Pace Analytical Services, NE
Pace Analytical
39 Spruce Street
EAST LONGMEADOW, MA US 01028
4135252332

Delivered
2/10/2023 at 9:45 AM

View travel history

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

Log In Back-Sheet

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

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Client API

Project N/A

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location N/A

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐

Received By / Date / Time BR 2/11/23 10 00

Back-Sheet By / Date / Time LA 2/15/23 1151

Temperature Method Gun # 5

Temp ☑ < 6° C Actual Temperature 5.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

Notes regarding Samples/COC outside of SOP:

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber (Plastic)	2							
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									

CHAIN OF CUSTODY

APL
AQUA PRO-TECH LABORATORIES
www.aquaprotechlabs.com
1275 Bloomfield Avenue Building 6
Fairfield, NJ 07004
TEL: 973-227-0422
FAX: 973-227-2813

Page 1 of 1

Client:	ECC Horizon	Send Report To:	Nick Krasnecky
Address:	One Emery Ave unit 2 Randolph NJ 07869	Address:	
Phone:	201-552-0224	Phone:	
E-Mail:	nkrasnecky@eccHorizon.com	Send Invoice To:	Nick Krasnecky
Project Name:		Address:	
Project Manager:	Nick Krasnecky	Sampling Location:	Queen NY
Project or PO #:	Bridge Cleaners	Sampled By:	Mike Huston

Turn-Around Time
- [ ] APL Standard 2 Weeks
- [x] Rush (Choose One Below)
- [ ] 1 Day [ ] 2 Days [ ] 3 Days
- [ ] 1 Week [ ] Other (Specify Below) 5 Day

Date and Time Required: _____
**May Need Lab Approval

Report / Electronic Format
- [ ] Results Only / NY ASP-A
- [ ] Reduced: NJ DEP
- [x] Full: NJ DEP / NY ASP-B
- [ ] State Forms/E2 Reporting
- [x] Excel Summary
- [x] EqUIS
- [ ] EnviroData
- [ ] Hazsite EDD

PWSID # _____ SRP# _____

Contamination Level
- [x] Low
- [ ] Medium
- [ ] High

APL 23B0407
AQUA PRO-TECH LABORATORIES
www.aquaprotechlabs.com

Cooler Temp: 4.3

Matrix Abbreviations:
DW - Drinking Water; GW - Groundwater; WW - Wastewater; SW - Surface Water; L - Lake; Pool; SPA; S - Soil; SD - Solid; SL - Sludge; C - Concrete; W - Wipes; O - Oil; PC - Paint Chips

APL Order # (APL Will Provide)	Sample #	Sample Source: Field ID	Collect Date	Collect Time	Matrix	Sample Type: Grab	Sample Type: Comp	No. of Bottles	Preservative	ANALYSIS REQUESTED: PFAS by Method 1633
23B0407	-01	SC-5 (2023-02-09)	2-9-2023	1100	S		✓	1		✓
	-02	SC-6 (2023-02-09)	2-9-2023	1120	S		✓	1		✓

RELINQUISHED BY:	Print: Michael Huston	RECEIVED BY:	Print: Rose Nap	Date: 2-9-23
	Sign: Michael Huston		Sign:	Time: 1321
RELINQUISHED BY:	Print:	RECEIVED BY:	Print:	Date:
	Sign		Sign:	Time:
RELINQUISHED BY:	Print:	RECEIVED BY:	Print:	Date:
	Sign:		Sign:	Time:

CERTIFICATIONS: NELAP (National Environmental Accreditation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634

By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples.

Appendix K

Groundwater Well Reinstallation Construction Logs

WELL LOG

Well ID: **GW-1R**

PROJECT NUMBER: N-Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: 39-26 Properties, LLC

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: Coastal Environmental Solutions, Inc.
INSPECTOR: Mike Huston

START DATE: 3/15/2023
FINISH DATE: 3/16/2023

DRILLING METHOD: Direct Push TOTAL DEPTH: 30 ft' below slab SAMPLER TYPE: N/A
RIG TYPE: 7822 DT TOP OF ROCK: N/A

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
GW-1R	2.0"	PVC
SCREEN INTERVAL	SLOT	RISER
15 - 30	0.020	0 - 15
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE
13 - 30, 5 - 12	# 1 Morie Sand	Flush Mount

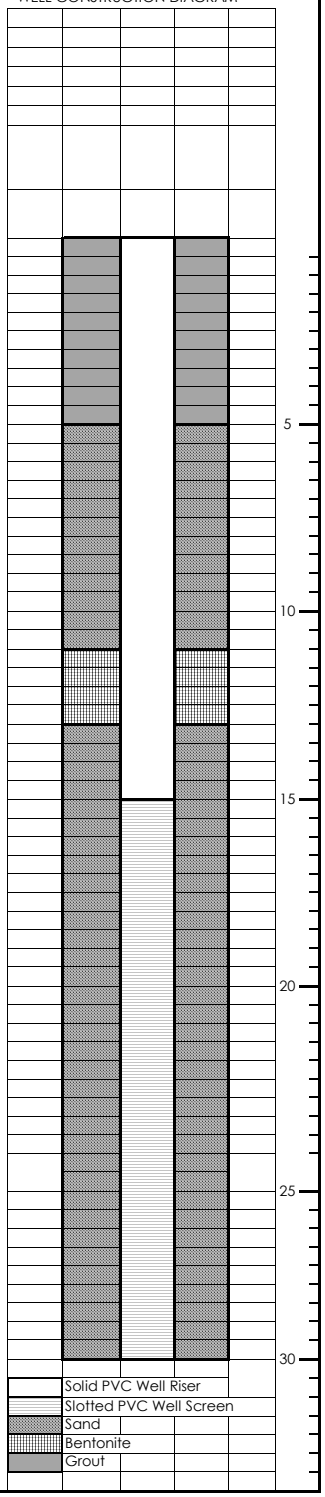
GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	
3/16/2023	720	20.64	--	
3/28/2023	930	20.45	--	

Notes

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
					Well Installed Via Direct Push - No soil observed

WELL CONSTRUCTION DIAGRAM



WELL LOG

Well ID: **GW-2R**

PROJECT NUMBER: N-Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: 39-26 Properties, LLC

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: Coastal Environmental Solutions, Inc.
INSPECTOR: Mike Huston

START DATE: 3/14/2023
FINISH DATE: 3/16/2023

DRILLING METHOD: Direct Push TOTAL DEPTH: 30 ft' below slab SAMPLER TYPE: N/A
RIG TYPE: 7822 DT TOP OF ROCK: N/A

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
GW-2R	2.0"	PVC
SCREEN INTERVAL	SLOT	RISER
15 - 30	0.020	0 - 15
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE
13 - 30, 5 - 12	# 1 Morie Sand	Flush Mount

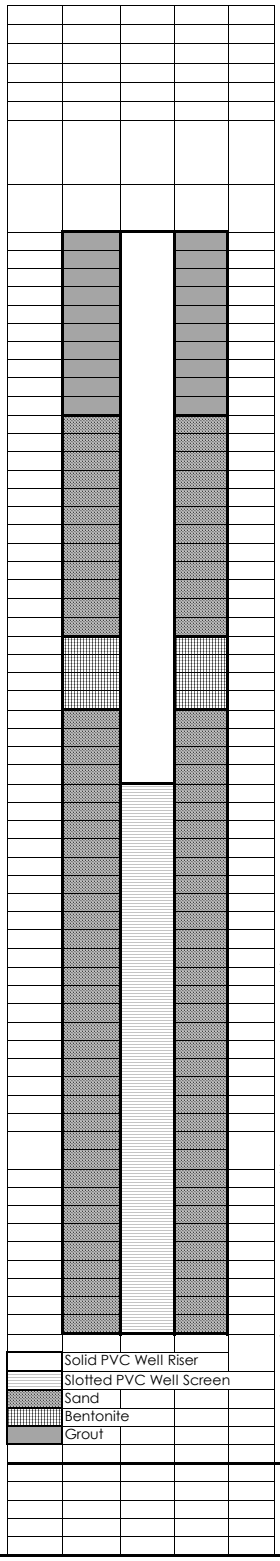
GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	
3/16/2023	725	20.30	--	
3/28/2023	935	20.38	--	

Notes

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
					Well Installed Via Direct Push - No soil observed
5					
10					
15					
20					
25					
30					

WELL CONSTRUCTION DIAGRAM



WELL LOG

Well ID: **GW-3R**

PROJECT NUMBER: N-Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: 39-26 Properties, LLC

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: Coastal Environmental Solutions, Inc.
INSPECTOR: Mike Huston

START DATE: 3/15/2023
FINISH DATE: 3/16/2023

DRILLING METHOD: Direct Push TOTAL DEPTH: 30 ft' below slab SAMPLER TYPE: N/A
RIG TYPE: 7822 DT TOP OF ROCK: N/A

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
GW-3R	2.0"	PVC
SCREEN INTERVAL	SLOT	RISER
15 - 30	0.020	0 - 15
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE
13 - 30, 5 - 12	# 1 Morie Sand	Flush Mount

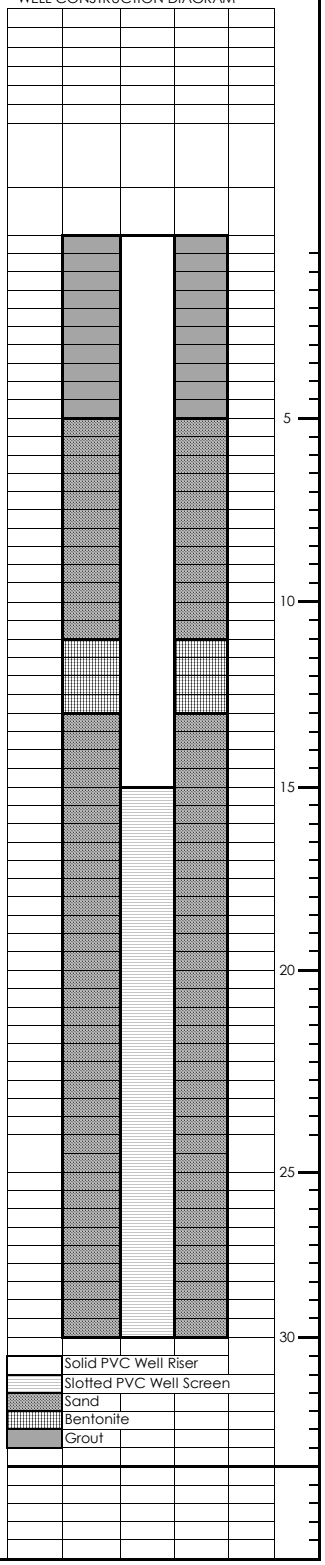
GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	
3/16/2023	730	20.40	--	
3/28/2023	940	20.42	--	

Notes

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
					Well Installed Via Direct Push - No soil observed

WELL CONSTRUCTION DIAGRAM



WELL LOG

Well ID: **GW-5R**

PROJECT NUMBER: N-Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: 39-26 Properties, LLC

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: Coastal Environmental Solutions, Inc.
INSPECTOR: Mike Huston

START DATE: 3/14/2023
FINISH DATE: 3/16/2023

DRILLING METHOD: Direct Push TOTAL DEPTH: 30 ft' below slab SAMPLER TYPE: N/A
RIG TYPE: 7822 DT TOP OF ROCK: N/A

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
GW-5R	2.0"	PVC
SCREEN INTERVAL	SLOT	RISER
15 - 30	0.020	0 - 15
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE
13 - 30, 5 - 12	# 1 Morie Sand	Flush Mount

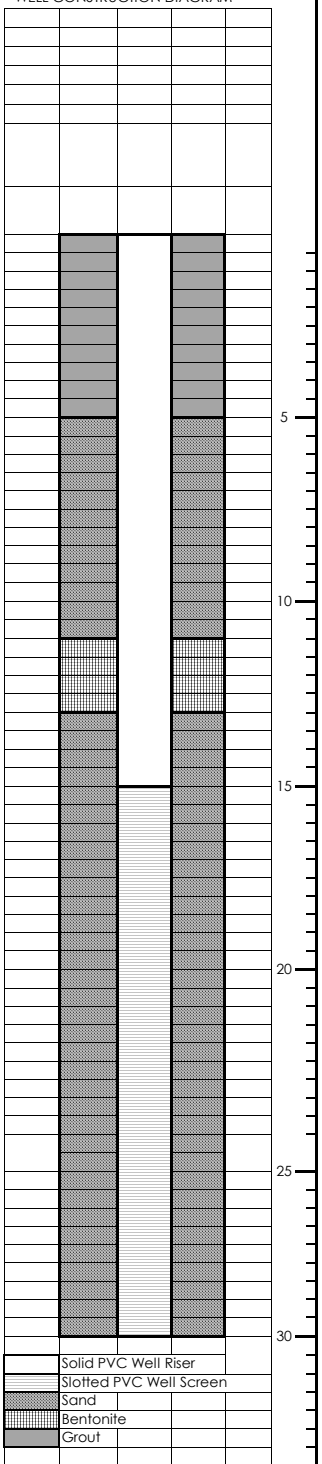
GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	
3/16/2023	735	19.59	--	
3/28/2023	945	20.42	--	

Notes

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
					Well Installed Via Direct Push - No soil observed

WELL CONSTRUCTION DIAGRAM



WELL LOG

Well ID: **GW-6**

PROJECT NUMBER: N-Bridge Cleaners
PROJECT NAME: Bridge Cleaners
ADDRESS: 39-26 30th Street, Long Island City, NY
CLIIENT: 39-26 Properties, LLC

LOCATION:
COORDINATES N: E:
SURFACE ELEVATION:
DATUM:

DRILLER: Coastal Environmental Solutions, Inc.
INSPECTOR: Mike Huston

START DATE: 3/14/2023
FINISH DATE: 3/16/2023

DRILLING METHOD: Direct Push TOTAL DEPTH: 30 ft' below slab SAMPLER TYPE: N/A
RIG TYPE: 7822 DT TOP OF ROCK: N/A

WELL ID	DIAMETER (INCH)	MATERIAL TYPE
GW-6	2.0"	PVC
SCREEN INTERVAL	SLOT	RISER
15 - 30	0.020	0 - 15
SAND PACK INT.	SAND TYPE	FINISH CASING TYPE
13 - 30, 5 - 12	# 1 Morie Sand	Flush Mount

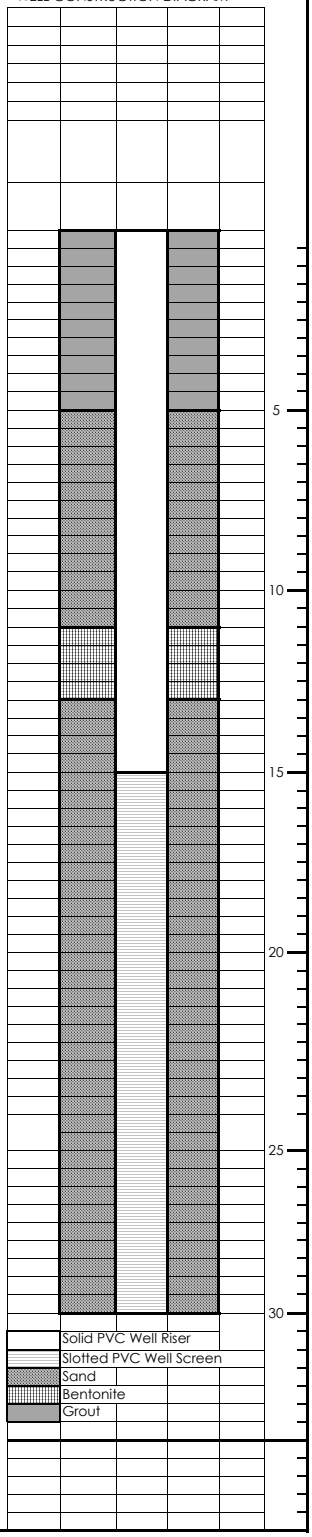
GROUND WATER DATA

DATE	TIME	DTW (ft.)	DTP (ft.)	
3/16/2023	740	20.10	--	
3/28/2023	950	20.22	--	

Notes

DEPTH (ft.)	PID (ppm)	SAMPLING INTERVAL	RECOVERY	USCS SYMBOL	FIELD CLASSIFICATION AND REMARKS
					Well Installed Via Direct Push - No soil observed
5					
10					
15					
20					
25					
30					

WELL CONSTRUCTION DIAGRAM



Appendix L

Data Usability Summary Reports (DUSRs) – Limited Soil Investigation

Appendix M

Analytical Data Reports – Limited Soil Investigation

Appendix N

Data Usability Summary Reports (DUSRs) – Post-Excavation Documentation Sampling

Appendix O

Analytical Data Reports – Post-Excavation Documentation Sampling